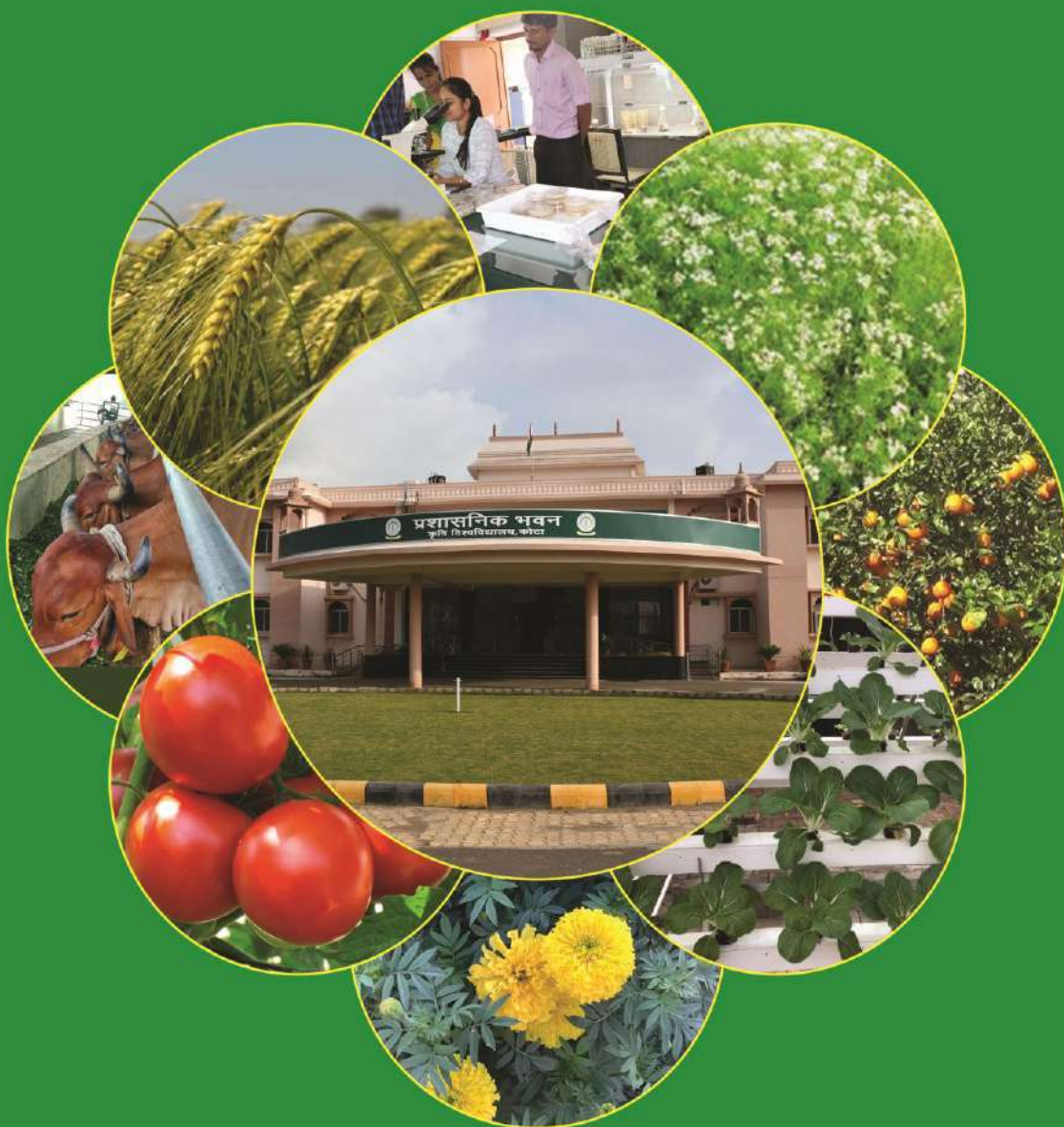


SELF STUDY REPORT



AGRICULTURE UNIVERSITY
KOTA, RAJASTHAN



Vice-Chancellor

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PREFACE

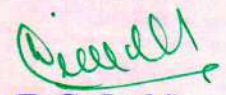
The Agriculture University, Kota (AUK) since its establishment in the year 2013, is striving hard to achieve excellence in agricultural education, research and extension education through innovative and creative approaches. In short span of last seven years, AUK has attained its own standing in the arena of higher education, agricultural research and outreach.

It gives me immense pleasure to forward the Self Study Report (SSR) of Agriculture University, Kota to the National Agricultural Education Accreditation Board, ICAR, New Delhi for its re-accreditation. The report encompasses brief account of the development, progress and achievements of the University during last five years. The exercise has provided us an opportunity to review and analyze the institutional progress after its inception and strengthened us in our quest for quality.

The impressive support from the State Govt. and ICAR has helped us to develop 16 new varieties, evaluating another 28 varieties, developing 87 production, protection and horticulture technologies besides attaining higher targets in technology transfer and farmers training. AUK has its own reputation in quality seed production and developing successful entrepreneurs.

The ICAR accreditation is a bench mark for quality teaching-learning, high quality research and effective outreach for agricultural universities. This is the cycle - 2 of accreditation for the university for which the self-study report is prepared as per the guidelines provided for the purpose.

The report is the outcome of collective efforts of the entire AUK faculty and staff. I deeply appreciate the involvements and efforts of the entire team. I would like to record my special appreciation to Dr L. K. Dashora, Emeritus Professor for excellent coordination in preparing the SSR in comprehensive manner. We have miles to go ahead and I am confident our university will stand tall amongst institutes of higher agricultural education in near future.


(D.C. Joshi)

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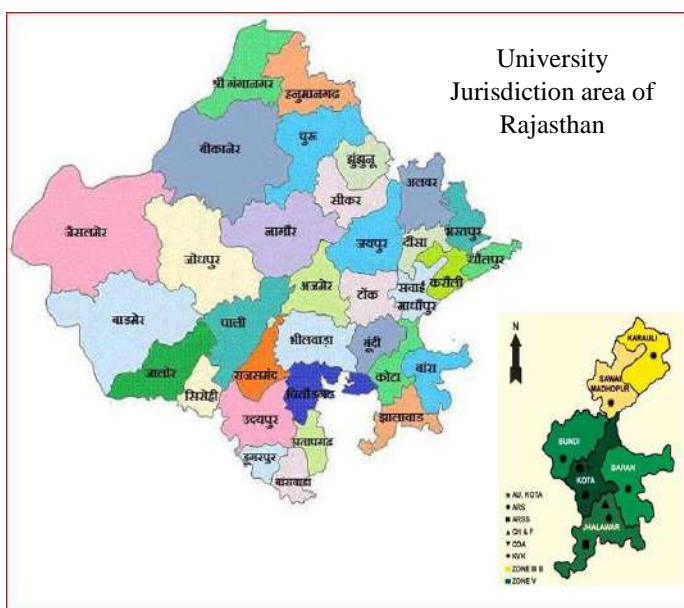
6.6.1 University Governance

Preamble

The Agriculture University (AU), Kota came into existence on 14th September, 2013 on bifurcation of the Shri Karan Narendra Rajasthan Agriculture University, Bikaner and Maharana Pratap University of Agriculture & Technology, Udaipur through promulgation of Government of Rajasthan Act No. 22 of 2013. The University was created to put focus on agricultural problems of Eastern and South-Eastern region of Rajasthan. The University headquarter has been established at Borkhera, Baran Road in the coaching city of Kota in Rajasthan.

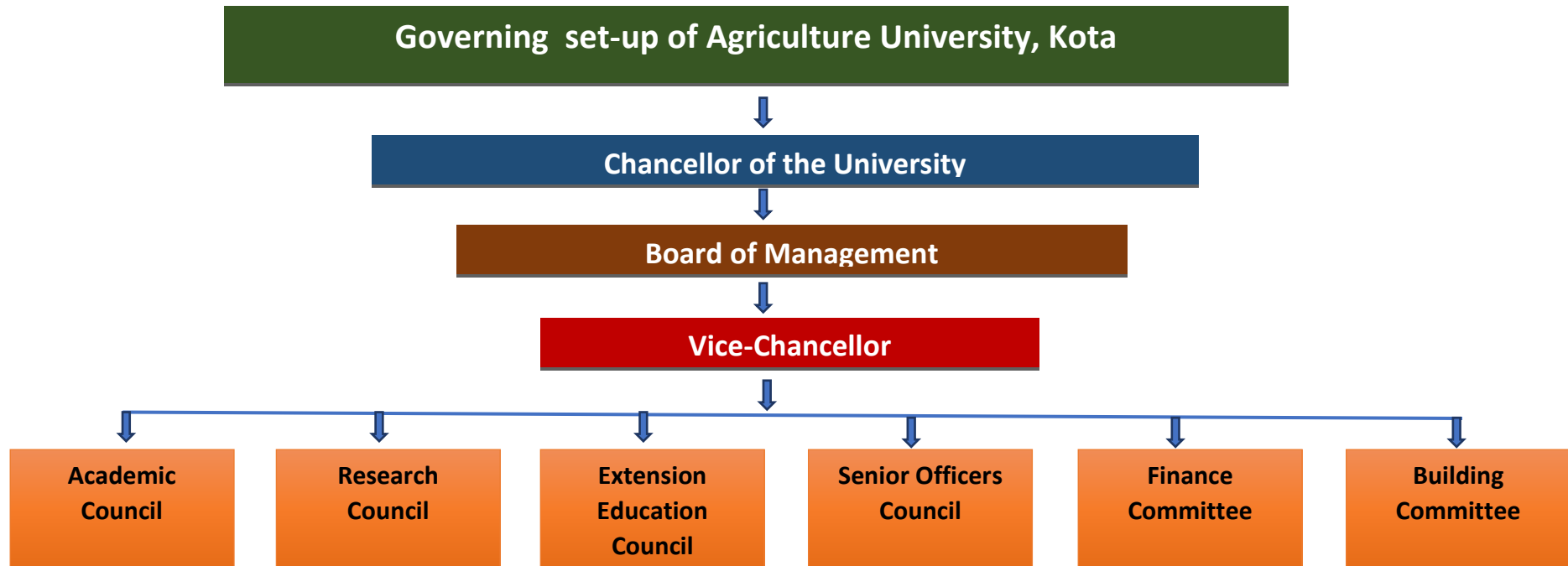
University Service Area-

The jurisdiction of Agriculture University, Kota is spread over six districts of Eastern and South-Eastern Rajasthan namely Kota, Baran, Jhalawar, Bundi, Sawai Madhopur and Karauli. The university service area accounts for 9.98 per cent geographical area, 12.38 per cent of total human population and 11.26 per cent of livestock population of the state. It also covers 31.59 per cent of the forest area of the state. However, 9.51 per cent of net sown and 20.60 per cent irrigated area of the state falls under AU, Kota service area.

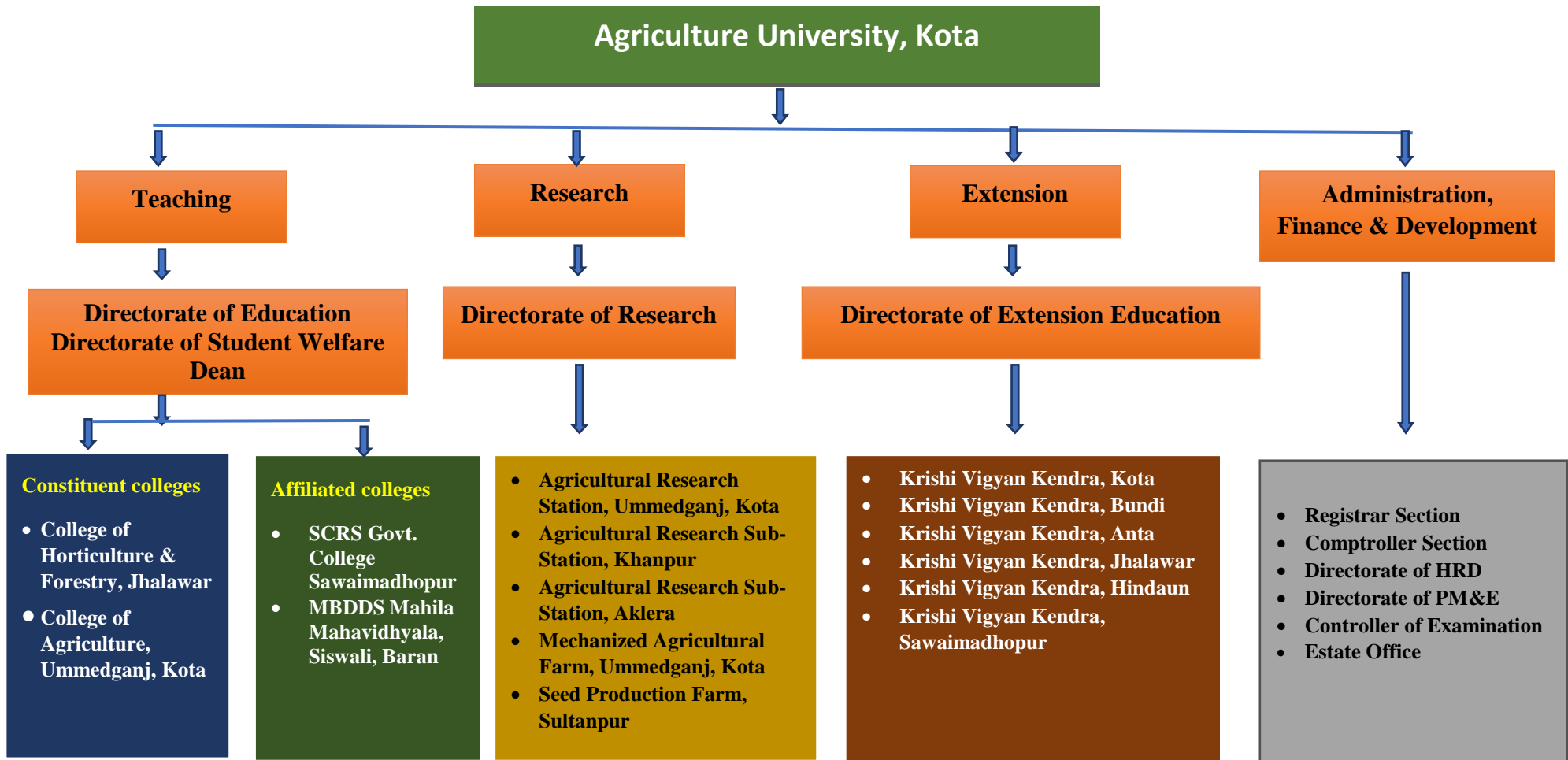


The university has inherited the well-established one Agricultural Research Station, two Agricultural Research Sub Stations, one Mechanized Agricultural Farm and six KVKs. The University has also inherited the College of Horticulture and Forestry at Jhalawar established since 2004. The College has faculty of Horticulture and faculty of Forestry. The second constituent college of this university is College of Agriculture, Umedganj, Kota which has been established in April 2018.

Besides above, there are two more Colleges i.e. Shaid Captain Ripudaman Singh Government College (Agriculture Faculty) Sawaimadhapur, and Mata Bhagwati Devi Dev Sanskriti Mahila Krishi Mahavidhyalaya, Siswali (Baran) which are affiliated to the university. The agricultural seed farm at Sultanpur Dist-Kota has been leased out to the University for five years by the State Government with the objective of increasing the seed production in the region since year 2018-19.



Institutional and Functional Set-Up of Agriculture University, Kota



6.6.1.1 Vision and Mission

Weather the university has published vision document, and has developed the plan of implementation with time frame and proposed financial arrangements?

Yes, the university has published Vision-2030 document and the efforts were made of implementation with the time frame and proposed financial arrangement. To accomplish the vision and goal of the university following new initiatives and programmes were undertaken in teaching, research and extension as evinced in the Vision-2030 document of the university.

(i) Teaching

- A constituent College of Agriculture has been started as at Ummedganj, Kota from the academic session 2018-19 with the following undergraduate and post graduate degree programme.

S.No.	Name of programme	Intake capacity
UG programme		
1.	B.Sc. (Hons.) Agriculture	60
PG programme		
2.	M.Sc. Ag. Agronomy	05
3.	M.Sc. Ag. Genetics & Plant Breeding	05
4.	M.Sc. Ag. Entomology	04
5.	M.Sc. Ag. Horticulture	04
6.	M.Sc. Ag. Soil Science & Ag. Chemistry	04
7.	M.Sc. Ag. Extension Education & Communication	04
8.	M.Sc. Ag. Plant Pathology	04
Ph. D. programme		
9.	Ph.D. Agronomy	03
10.	Ph.D. Genetics & Plant Breeding	03
11.	Ph.D. Plant Pathology	02

- The Ph.D. programme in Fruit Science has been started from the academic session from 2017-18 with the intake capacity of 03 students at College of Horticulture & Forestry, Jhalawar.
- A new department i.e. “Social Science” was created at College of Horticulture & Forestry, Jhalawar which deals with the Agricultural Extension Education, Agricultural Economics, Agri/Hort Business Management, English, Physical Education and Library Science.
- In the Faculty of Forestry, the M.Sc. programmes were started in all the disciplines such as Silviculture and Agro Forestry, Forest Biology and Tree Improvement, Forest Product and Utilization, and Wildlife Science with the intake capacity 05 students in each programme from the academic session of 2018-19. Similarly, a Ph.D. programme in Silviculture and Agro Forestry was also initiated from academic session of 2019-20 with the intake capacity of 02 students.
- A separate department of “Wildlife Management” was established at College of Horticulture & Forestry, Jhalawar from the academic session of 2018-19.

- The following self-financing job oriented certificate courses have been approved by the Board of Management of University and will be started from the academic session of 2021-22.
 - Protected cultivation of vegetable and flowers at College of Horticulture & Forestry, Jhalawar
 - Organic farming at College of Agriculture, Ummedganj, Kota.

(ii) Research

- New Varieties Developed :** A total of 16 improved varieties of different crops were released/identified/notified during last five years. These include Kota Soya 1 (RKS 113) of Soybean; Mukundra Urd 2, Kota Urd 3 & Kota Urd 4 of Blackgram/Urdbean; Kota Masoor 1, Kota Masoor 2, Kota Masoor 3 & Kota Masoor 4 of Lentil; Kota Rajmesh 1 of Rajmesh, Kota Matar 1 of Fieldpea; Kota Desi Chana 1, Kota Kabuli Chana 1 & Kota Kabuli Chana 2 of Chickpea and Kota Barani Alsi 5, Kota Barani Alsi 6 & Kota Alsi 6 of Linseed, which are suitable for climatic conditions of South-Eastern Rajasthan and various other parts of the country.
- Varieties tested & Recommended during last five years :** The experiments on varietal evaluation of different important crops of the region was conducted and following varieties were recommended during last five years.

Name of the crop	Variety recommended
Soybean	JS 20-34, JS 20-29, RKS 113, NRC 127
Wheat	HI 8713, Raj 4238
Chickpea	GNG 958, CSJ 515, GNG 2144 (Teej), RKG 13-515 (Kota Deshi Chana-1), RKGK 13-271 (Kota Kabuli Chana-1)
Lentil	IPL 316, Kota Masoor-1, Kota Masoor-2, RKL 605-03 (Kota Masoor-3)
Sugarcane	CoPb 09181, Co 0238 (Karan 4), Co 09022 (Karan 12)
Arhar	PAU 881
Mustard	DRMRIJ 31(Giriraj), NRCDR-2
Rajmash	Kota Rajmash-1 (RKR 1033)
Coriander	Pratap Raj Dhaniya-1 (RKD 18). RD 385 (Rajendra Dhaniya-1)
Sesame	RT 346, RT 351
Field Pea	Kota Matar-1 (KPF-101)
Linseed	Kota Barani Alsi-5

- Technologies developed :** During the assessment period, Agriculture University scientists have developed 60 crop production and protection technologies and 27 horticultural technologies for Humid South Eastern Plain Zone (V) and Flood Prone Eastern Plain Zone (IIIb) of Rajasthan.
- Seed production programme :** Agriculture University, Kota is known for production of high quality breeder seeds in large quantity and supply to various centres throughout the country. It is the lead university for the production of breeder seeds for soybean, urdbean, wheat and other crops.
- Work on improving water use efficiency initiated by using pressurized irrigation system i.e. sprinkler and drip irrigation including fertigation at Agricultural Research Station, Ummedganj, Kota and College of Horticulture & Forestry, Jhalawar.

- Maharshi Parashar Shodh Peeth is established at Agricultural Research Station, Ummedganj, Kota for optimization of organic farming and use of bio-fertilizer.
- Established protected cultivation for vegetable and flower cultivation including hydroponics / soil less culture in university jurisdiction area.
- A Centre of Excellence on garlic was established at KVK, Anta for crop improvement and post harvest management of garlic.

(iii) Extension Education

- In accordance to vision—2030 document of the university, various live demonstration units such as modal dairy, poultry, goatary, modal nursery, food processing and value addition, azola and seed processing have been established at various KVKs of the university.
- Under shifting of extension approach from production to market leads, four farmers producer organizations (FPO) were formulated with the technical guidance by KVK-Kota, Anta, Bundi and Hindaun. The FPOs are financially supported by NABARD.
- Several Self Help Groups have been constituted under developing farmers friendly participatory extension approach programme of the university.
- District agro-meteorological units (DAMUs) have been established at 5 KVKs of the university namely Baran, Karauli, Bundi, Jhalawar and Sawai Madhopur. The DAMUs released block and zone level agromet advisory bulletin (m-kisan portal) on every Tuesday and Friday.
- Skill oriented training for entrepreneurship development was undertaken by the university through implementing Attracting and Retaining Youth in Agriculture “ARYA” project at KVK- Jhalawar and Bundi.
- In accordance to the Vision-2030 document of the university, Agriculture Technology Management and Quality Improvement Centre (ATMQIC) has been established at university headquarter.

Weather the university has planned, developed, implemented and evaluated intentional and purposeful programme / services that may facilitate students and other stake holders of the university?

The Directorate of Prioritization, Monitoring and Evaluation in the university is responsible for planning and implementation new development programme and monitoring and evaluation of their progress. The university seeks to ensure that the efforts are in accordance with the strategies and performance perspectives. For this the following initiatives were undertaken:

- Annual review of the progress of different research and extension education projects have been undertaken at Departmental and University levels by concerned Directors/regulatory Bodies (Research and Extension Education Council).
- The progress of the zonal research stations and sub station located in different places were reviewed regularly.
- High power committees has been constituted for thorough review of ongoing programmes in different department, research stations, College and Directorates of the University for suggesting measures to improve their efficiency and relevance.

- The technical programmes of ICAR and other projects have been reviewed time to time and modified in their respective workshops.
- Periodical review of course curricula have been undertaken to incorporate latest scientific developments and to meet the needs of employers.
- As far as resource generation is concerned, the major financial resources are through State Government and ICAR. However, sincere efforts have been made to generate university own fund internal receipts from farms sale of breeder's seeds and foundation seeds to government and State and National Seed Corporations and other agencies and sale of TL seeds, Production and marketing of biofertilizers, Sale of quality planting material, animal germplasm, horticultural /processed products etc.

Strategy and Framework

Following strategy has been adopted to accomplish the vision and the goals of Agriculture University, Kota

- Enhance Quality of Human Resource in Agriculture, Horticulture and Forestry.
- Improve Efficiency of Human and Financial Resources and Efficient use of Infrastructure.
- Accelerate the dissemination of improved technologies and information.
- Promote effective, efficient and decentralized governance.

(a) Vision

Agriculturally Prosperous Rajasthan & India

Attaining new heights in agricultural education, research and extension, shaping university into a premier institution for creation of agricultural wealth ensuring food and nutritional security.

(b) Mission

The mission of Agriculture University, Kota is to foster excellence in teaching, research, and extension education for subjects of agriculture and allied sciences and there by develop competent and skilled human resource and innovative technologies and disseminations of the knowledge to serve the farming community with the motto of making Rajasthan & India agriculturally prosperous.

(c) Objectives of the University

- Making provision for imparting education in different branches of study, particularly agriculture, horticulture, forestry, fisheries, agricultural engineering, food processing, agribusiness management, home science, and allied branches of learning and scholarship.
- Furthering the advancement of learning and conducting of research, particularly in agriculture and other allied sciences.

- Undertaking the extension education of such sciences and technologies specially for the rural people of the State.

6.6.1.2. Statute and Regulations:

The university has been established with the promulgation of the Agriculture University Kota Act No. 22 of 2013 by the Rajasthan Legislative Assembly. The AU, Kota is chartered by the State of Rajasthan with the Chancellor as a titular head and a Vice Chancellor as overall Executive Officer. The Board of Management (BOM) is the apex body having Vice-Chancellor as its Chairman and Registrar as its Member-Secretary. The Statutes of Agriculture University, Kota have been approved vide letter No. F.49(10)RB/2016/49 dated 11.06.2020 (Annexure-XVI). The Agriculture University, Kota is following the UGC/ICAR/ State Government guidelines as amended from time to time in respect of recruitment, promotions financial management and other such matters not specified in the Act & Statutes of the University.

As per the Model Act of ICAR, the University has the Board of management, Academic Council, Board of Studies for each faculty, Research Council, Extension Education Council, Finance Committee and other such bodies, as may be declared by the Statutes of the University.

I. Board of Management (BOM):

The Board of Management consists of the following:-

- | | | |
|-------|--|----------------------------|
| (i) | The Vice-Chancellor | <i>Ex-officio</i> Chairman |
| (ii) | The Secretary to the State Government, in-charge of the Agriculture Department or his nominee not below the rank of Deputy Secretary | <i>Ex-officio</i> Member |
| (iii) | The Secretary to the State Government, in-charge of the Finance Department or his nominee not below the rank of Deputy Secretary | <i>Ex-officio</i> Member |
| (iv) | The Secretary to the State Government, in-charge of the Higher Education or his nominee not below the rank of Deputy Secretary | <i>Ex-officio</i> Member |
| (v) | The Secretary to the State Government, in-charge of the Department of Animal Husbandry or his nominee not below the rank of Deputy Secretary | <i>Ex-officio</i> Member |
| (vi) | One Member of Rajasthan Legislative Assembly to be nominated by the Speaker of the Rajasthan Vidhan Sabha | Member |
| (vii) | Two eminent educationists/scientists from the field of agriculture to be nominated by State Government | Member |

(vii)	One progressive farmer from the jurisdiction of the University to be nominated by State Government	Member
(ix)	One distinguished agro-industrialist to be nominated by State Government	Member
(x)	One outstanding woman social worker having background of rural advancement to be nominated by State Government	Member
(xi)	One representative from the Indian Council of Agricultural Research;	Member
(xii)	One Director to be nominated by the Vice-Chancellor of the University	Member
(xiii)	One Dean to be nominated by the Vice-Chancellor	Member
(xiv)	One Professor to be nominated by the Vice-Chancellor	Member
(xv)	Registrar of the University	Secretary

Powers and functions of the Board of Management :

- (1) Subject to the provisions of the Act and the Statutes, the Board is the Chief Executive body of the University and manage and supervise the properties and activities of the University and is responsible for the conduct of all administrative affairs of the University not otherwise provided for in the Act.
- (2) Without prejudice to the generality of the foregoing powers, the Board can exercise the following powers and perform the following functions, namely:-
 - (i) to consider and approve the financial requirements, estimates and the budget of the University ;
 - (ii) to hold and control the property and the funds of the University and issue any general directive on behalf of the University ;
 - (iii) to accept or transfer any property on behalf of the University ;
 - (iv) to administer funds placed at the disposal of the University for the purpose intended;
 - (v) to arrange for the investment and withdrawal of the funds of the University ;
 - (vi) to borrow money for capital investments with prior approval of the State Government and make suitable arrangements for its repayment;
 - (vii) to accept on behalf of the University trusts, bequests and donations;
 - (viii) to consider and approve the recommendations of the Academic Council, Research Council and Extension Education Council wherever required;
 - (ix) to direct the form and use of the common seal of the University ;
 - (x) to appoint such committees and bodies as it may deem necessary and set down the terms of reference thereof in accordance with the provisions of the Act and Statutes;

- (xi) to grant affiliation to colleges or institutes on the recommendation of the academic council or withdraw such affiliation.
- (xii) to consider and approve the establishment of a new department, division, centre or research station/sub-station or abolition of any one of them or otherwise reconstitution of department/ divisions, research stations or centre on the recommendation of the Academic Council;
- (xiii) to consider and approve establishment of a new college, faculty, amalgamation of two or more colleges or faculties into a single college or faculty or abolition of a college or faculty or reconstitution of any of the existing faculties on the recommendation of the Academic Council; and ;
- (xiv) to approve the recommendations of the selection committee for appointment, in the prescribed manner, of officers, teachers, employees of the rank of Assistant Registrar and above in the University.

Meetings of Board of Management held during last five years.

No. of Meeting held	Dates
2 nd Meeting of Board of Management	18 Jun., 2016
3 rd Meeting of Board of Management	23 Sep., 2016
4 th Meeting of Board of Management	03 Apr., 2017
5 th Meeting of Board of Management	20 May, 2017
6 th Meeting of Board of Management	20 Dec., 2017
7 th Meeting of Board of Management	25 Apr., 2018
8 th Meeting of Board of Management	25 Jun., 2018
9 th Meeting of Board of Management	25 Sep., 2018
10 th Meeting of Board of Management	01 Feb., 2019
11 th Meeting of Board of Management	03 Mar., 2019
12 th Meeting of Board of Management	14 Aug., 2019
13 th Meeting of Board of Management	14 Nov., 2019
14 th Meeting of Board of Management	26 Jun., 2020
15 th Meeting of Board of Management	12 Nov., 2020
16 th Meeting of Board of Management	30 Dec., 2020




II. Academic Council:

The Academic Council of the university is the central body for regulation of the all academic programme and determining the course curricula of different degree programme offered by the university. It has general control on teaching and other educational programmes of the university and it is responsible for maintaining the standards of the same.

Academic Council consists of the following

- | | |
|---|----------------------------|
| (i) the Vice-Chancellor | <i>Ex-officio</i> Chairman |
| (ii) the Director Research | <i>Ex-officio</i> Member |
| (iii) the Director, Extension Education | <i>Ex-officio</i> Member |

- | | |
|--|--------------------------|
| (iv) the Director, Prioritization, Monitoring and Evaluation | <i>Ex-officio</i> Member |
| (v) Deans of all constituent colleges | <i>Ex-officio</i> Member |
| (vi) the Chairperson of all faculties | <i>Ex-officio</i> Member |
| (vii) the Director Students Welfare | <i>Ex-officio</i> Member |
| (viii) the Controller of Examinations | <i>Ex-officio</i> Member |
| (ix) the Director, Human Resource Development | <i>Ex-officio</i> Member |
| (x) the University Heads of all the Departments from each faculty (from teaching campuses not below the rank of Associate Professor) | Member |
| (xi) one teacher of the Professor rank from each faculty to be nominated by the Vice-Chancellor on rotational basis | Member |
| (xii) one eminent Agricultural Educationist from outside of the University to be nominated by the Vice-Chancellor | Member |
| (xiii) the Registrar | Member |
| (xiv) the Director Education | Secretary |
- (2) Academic Council may co-opt as members not more than four persons in such manner as may be prescribed so as to secure adequate representation, of different sectors of agriculture and allied fields.
- (3) All members of the Academic Council other than the ex-officio members and members referred in sub-section (2) shall hold office for a term of two years.

Powers and functions of Academic Council :

- (1) The Academic Council subject to the provisions of the Act and Statutes have the power by regulations of prescribing all courses of study and determining curricula, and shall have general control on teaching and other educational programmes within the University, and is responsible for the maintenance of standards thereof.
- (2) The Academic Council has power to make regulations consistent with the Act and Statutes relating to all academic matters and also to amend or repeal them.
- (3) In particular, and without prejudice to the generality of the foregoing powers, the Academic Council conferred the following :-



- (i) To advise the Board and Vice-Chancellor on all academic matters including the control and management of libraries and affiliation of colleges to the privileges of the University;
- (ii) to make recommendations for the institution of Professorships, Associate Professorships, Assistant Professorships and other teaching posts including posts in research and extension education;
- (iii) to make recommendations for the constitution or reconstitution of departments or faculties of teaching, research and extension education;
- (iv) to make regulations regarding the admission of students to the University and to determine the number of students to be admitted;
- (v) to make regulations relating to the courses of study leading to degrees, diplomas and certificates;
- (vi) to make regulations relating to the conduct of examinations and to maintain and improve standards of education;
- (vii) to make recommendations to the Board regarding conferment of honorary degree;
- (viii) to make recommendations regarding the qualifications to be prescribed for teachers in the University ; and
- (ix) To exercise such other powers and perform such other functions as may be conferred or imposed on it under the provisions of this Act or by the Board or by Vice-Chancellor.

(4) The Academic Council also have the following powers:

- (i) To make regulation regarding admission to various academic programme run by the university, including admission capacity, fee structure etc.
- (ii) To recommend the candidate for Diplomas, Degrees and Certificates to be conferred by the university.
- (iii) To recognize the examination of other recognized universities whether equivalent to the corresponding examination of the university.
- (iv) To approve or reject any subject proposal in the thesis by a candidate for the degree of Doctor of Philosophy in various disciplines.
- (v) To propose to the Board of Management, the institution of fellowship, scholarship, stipend, etc. to be awarded to the student of various constituent colleges and medals to be awarded to the students (for academic purpose) of the constituent and affiliated colleges of the university.
- (vi) To make regulation regarding maintenance of discipline and regulation of conduct of the students in the college and hostel of the university.
- (vii) To make regulation regarding holding convocation.

Meetings of Academic Council held during last five years.

No. of Meeting held	Dates
3 rd Academic Council	7 July, 2015
4 th Academic Council	26 Feb, 2016
5 th Academic Council	4 June, 2016
6 th Academic Council	23 Sep, 2016
7 th Academic Council	17 Feb, 2017
8 th Academic Council	10 May, 2017
9 th Academic Council	12 Dec, 2017
10 th Academic Council	8 June, 2018
11 th Academic Council	22 Sep, 2018
12 th Academic Council	23 Jan, 2019
13 th Academic Council	16 July, 2019
14 th Academic Council	6 Feb., 2020
15 th Academic Council	6 Oct., 2020
16 th Academic Council	19 Dec., 2020



III. Research Council :

Research is one of the most important mandates of the university to address the problems of the farming community. The research programme of the university are of three types *viz.*, basic, applied and strategic research towards solving location specific and farmer centric problems. In order to address the location specific problems of the various agro-climatic zones, the university has established one Agricultural Research Station, Ummedganj, Kota and two Agricultural Research Sub- Stations Akhlera and Khanpur. All India Co-ordinated Research Projects (AICRP) of ICAR to tackle the regional problems of the respective crops. The University mainly concentrates on research on local problems of prominent agricultural crops of the zone. To co-ordinate and effective implementation of need based research in the university, a research council exists as per provision in the act and statute of the university.

The Research Council consists of the following:

- | | | |
|-------|---|----------------------------|
| (i) | The Vice-Chancellor | <i>Ex-officio</i> Chairman |
| (ii) | The Directors of Agriculture/ Horticulture/ Fisheries Department of the Government and Chief Conservator of Forests, Rajasthan (depending upon research mandate and programmes of the University) | Member |
| (iii) | All Directors of the University | Member |
| (iv) | All Deans of the Faculties | Member |
| (v) | All Zonal Directors, Research and Extension | Member |
| (vi) | All University Heads of Departments | Member |
| (vii) | Two scientists of eminence from outside to be nominated for particular meeting by the Vice- | Member |

- Chancellor for their specialized knowledge of subjects on the agenda of meetings
- (viii) The Research Council may co-opt as members not more than four persons for such period and in such manner as may be prescribed as to secure adequate representation of different sectors of agriculture and allied fields Member
- (ix) The Director Research Secretary

The Research Council of the university can co-opt not more than four person as its member in a meeting by majority of the votes from the following sectors of agriculture, (i) Agri-Business (ii) Forestry (iii) Health and nutrition (iv) Social welfare and community development or from any related as deemed meaningful. The term of the co-opted members is of two years. The co-opted member do not have right to vote.

Functions of Research Council - The Research Council consider and make the recommendations in respect of

- (i) research programmes and projects undertaken or to be undertaken by the various units of the University in the field of agriculture and other allied sciences with a view to promote effective co-ordination;
- (ii) physical, fiscal and administrative facilities required for implementing research projects;
- (iii) orienting research to meet farmers' needs;
- (iv) integration of research, extension education and teaching and participation of research workers in teaching and extension education programme;
- (v) any other matter pertaining to research programmes which may be referred to by the Vice-Chancellor or the Board or any other authority of the University

Meetings of Research Council held during last five years.

No. of Research Council	Dates
1 st Research Council	18 July, 2016
2 nd Research Council	07 Aug., 2018
3 rd Research Council	15 Jan., 2020



IV. Extension Education Council:

Extension system mainly aims at effective dissemination of technical 'know-how' and 'do-how' information to various stakeholders in production, processing and marketing of agricultural produce. The Directorate of Extension is functional since the inception of the university. For effective planning, monitoring and approval of the extension programmes of the university in collaboration with public and private partnership an Extension Council has been constituted as per provision given in the university acts and statutes.

The Extension Education Council consists of the following

- | | | |
|--------|--|----------------------------|
| (i) | The Vice-Chancellor | <i>Ex-officio</i> Chairman |
| (ii) | The Secretary to the Government, incharge of Agriculture Department | Member |
| (iii) | The Directors of Agriculture/ Horticulture/ Fisheries Department of the Government and Chief Conservator of Forests, Rajasthan (depending upon Extension mandate and programmes of the University) | Member |
| (iv) | All Directors of the University | Member |
| (v) | All Deans of the Faculties | Member |
| (vi) | All University Heads of the Departments/ all Zonal Directors and all Programme Coordinators of KVKs within the jurisdiction of the University | Member |
| (vii) | Two eminent persons in the field of Extension Education from outside of the University nominated by the Vice- Chancellor for any particular meeting in accordance with the requirement of the agenda | Member |
| (viii) | Three progressive farmers having specialization in general agriculture, horticulture or other allied branches to be nominated by the Vice-Chancellor for their specialized knowledge and experience | Member |
| (ix) | One representative each of the under mentioned organizations as nominated by the Vice-Chancellor : | Member |
| | a. Rural Development Department of the Government; | |
| | b. Co-operative Department of the Government; | |
| | c. State Agro-Industries Development Corporation; | |
| | d. Irrigation Department of the Government; | |
| | e. Fertilizer Corporation of India; | |
| | f. National Seeds Corporation; any other Agro-Industries or Agro-Service Organizations; | |
| (x) | The Director, Extension Education | Secretary |

Functions of the Extension Education Council - Extension Education Council considers and makes recommendations in respect of -

- (i) The Extension Education programmes and projects of the University.

- (ii) Co-ordination of extension education activities for improvement of agriculture, animal husbandry and allied branches and for the development of rural communities.
- (iii) Development of farmers education and training and advisory services, identification and resolution of field problems and transmission of information.
- (iv) Methodology of extension education
- (v) Integration of extension education with teaching and research in the University and participation of teachers and research workers in extension education programmes
- (vi) Any other matter referred to it by the Vice-Chancellor, Board or any other authority of the University.

Meetings of Extension Education Council held during last five years

No. of Extension Education Council	Dates
1 st Extension Education Council	18 July, 2016
2 nd Extension Education Council	26 July, 2018
3 rd Extension Education Council	27 Jan., 2020



V. Finance Committee.-

The Finance Committee of the University is constituted as per the provisions enumerated in the Agriculture University Kota Act 2013.

The Finance Committee consists of–

- (i) the Vice-Chancellor; *Ex officio* Chairman
- (ii) the Secretary to Government in-charge of the Finance Department, or his/her nominee not below the rank of Deputy Secretary Member
- (iii) the Secretary to the Government in-charge of the Agriculture Department, or his/her nominee not below the rank of Deputy Secretary Member
- (iv) the Director, Research/Extension Education/ Education (one Director by rotation every year to be nominated by the Vice-Chancellor) Member
- (v) One nominee of the Board who be the non-official member of the Board Member
- (vi) the Comptroller. *Ex-officio* Secretary

Functions of the Finance Committee -

- (i) To examine the annual accounts and budget estimates of the University and to advise the Board thereon;
- (ii) To review the financial position of the University from time to time; and

- (iii) To make recommendations to the Board on all matters relating to the finances of the University.

Meetings of Finance Committee held during last five years

No. of Finance Committee	Dates
2 nd Finance Committee	25 Feb, 2016
3 rd Finance Committee	16 May, 2017
4 th Finance Committee	08 June, 2018
5 th Finance Committee	26 June, 2019
6 th Finance Committee	08 June, 2020

VI. Building Committee:

There is a Building Committee at university and consisting of the following:

1 Vice-Chancellor	Chairman
2 Additional Chief Engineer (PWD), Zone, Kota	Member
3 One Dean/Director nominated by the Vice-Chancellor	Member
4 Director, PM&E	Member
5 Registrar	Member
6 Comptroller	Member
7 Professor/ Head, Department of Agricultural Engineering	Member
8 Estate Officer	Member Secretary

Head of the concerned unit of the University whose work is under consideration is invited by the committee to a particular meeting. The term of the members of the Building committee is of two years.

The committee enjoys financial and administrative powers equivalent to that of Chief Engineer of PWD as provided in PWF&R, Government of Rajasthan and allot funds for execution and maintenance of University buildings, roads, fencing/boundary, parks and lands other than land comprising the agricultural farms. The committee also reviews periodical reports showing the progress of works under construction.

Meetings of Building Committee last five years:

Meetings of Building Committee	Dates
1 st Building Committee Meeting	21 Dec., 2015
2 nd Building Committee Meeting	21 Oct., 2016
3 rd Building Committee Meeting	29 May, 2018
4 th Building Committee Meeting	14 Dec., 2018

5 th Building Committee Meeting	26 July, 2019
6 th Building Committee Meeting	05 Feb., 2020
7 th Building Committee Meeting	23 June, 2020

VII. Result Committee:

There is a Result Committee for declaration and publication of results of the University examinations. It consists of the following:

1	Vice-Chancellor or a person nominated by him/her	Chairman
2	Chairperson of the faculty concerned	Member
3	Controller of Examinations	Member Secretary

The decision taken by the Results Committee with regard to the results of the candidates shall be final. The decision with regard to cases of unfair means will rests with the committee.

Meetings of Result Committee last five years:

Meetings of Result Committee	Dates
Result Committee Meeting 1 st Semester 2015-16	11 Mar., 2016
Result Committee Meeting 2 nd Semester 2015-16	15 July, 2016
Result Committee Meeting 1 st Semester 2016-17	16 Apr., 2017
Result Committee Meeting 2 nd Semester 2016-17	19 Aug., 2017
Result Committee Meeting 1 st Semester 2017-18	03 May., 2018
Result Committee Meeting 2 nd Semester 2017-18	27 Oct., 2018
Result Committee Meeting 1 st Semester 2018-19	17 Apr., 2019
Result Committee Meeting 2 nd Semester 2018-19	12 Oct., 2019
Result Committee Meeting 1 st Semester 2019-20	03 Apr., 2020
Result Committee Meeting 2 nd Semester 2019-20	22 Oct., 2020

VIII. Senior Officers Council (SOC)

There is a Council of Senior Officers in the University. The Vice-Chancellor is the Chairman of the Council. All Deans of the constituent Colleges, Directors, Controller of Examinations, Registrar, Comptroller and Estate Officer are the members of the council. The Director, PM&E acts as member secretary.



Powers and functions of Senior Officers Council:

- (i) The SOC considers all matters referred to it by the Vice-Chancellor
- (ii) Advice the BOM on Administrative matters
- (iii) Advice the Academic Council on Academic matters
- (iv) The SOC shall consider all the matters/problems of each unit of University.
- (v) The SOC may consider the matters/problems of students and their welfare.

Meetings of Senior Officers Council held during last five years

No. of Senior Officers Council	Dates
1st Senior Officers Council	20 Dec., 2016
2 nd Senior Officers Council	08 Jan., 2018
3 rd Senior Officers Council	14 June, 2019
4 th Senior Officers Council	23 Oct., 2019
5 th Senior Officers Council	03 Jun., 2020



IX. Board of Studies-

There is a Board of Studies for each faculty and consists of the following

- | | |
|--|---------------------|
| (i) The Dean (senior most Dean of constituent colleges) | Ex-officio Chairman |
| (ii) The Director Education, Director Students' Welfare, Controller of Examinations and other Deans | Ex-officio Member |
| (iii) All Heads of departments | Member |
| (iv) Two Professors other than Heads to be nominated by the Vice-Chancellor | Member |
| (v) Two teachers to be nominated by the Vice-Chancellor | Member |
| (vi) Two outside experts to be co-opted by the Board of Studies concerned from amongst persons who are not teachers in the University. | Member |

Functions of Board of Studies

- (i) To propose the courses of study and curricula for various programmes of instructions offered.
- (ii) To perform such other functions as may be directed by the Dean of the faculty concerned, other authorities and Vice-Chancellor.
- (iii) The Board of Studies also perform the following functions;

- To review teaching programmes of the faculty and suggest improvement thereof.
- To consider the recommendations of committee of courses and place the same before Academic Council for consideration and approval.
- To recommend to the Academic Council the establishment, amalgamation, sub-division and / or abolition of the department(s) and for programme (s), to frame rules for the new departments and discontinue any programme for consideration of the Academic Council.
- To coordinate work of all the subjects of the faculty.
- To deal with any matter referred to it by the Academic Council or Board of Management.
- To remit matters to committee of courses.
- To make recommendations to the Academic Council regarding admissions and intake capacities.
- To recommend to the Academic Council the constitution of Committee of Courses.
- To hold meeting with the permission of the Vice-Chancellor with any other faculty.
- And such other functions prescribed by the Statutes.

Meetings of BoS held during last five years at CH&F, Jhalawar

No. of BoS	Date of Board of Studies
3 rd Board of Studies	27 July, 2017
4 th Board of Studies	23 May, 2018
5 th Board of Studies	08 Jan., 2020



Meetings of BoS held during last five years at COA, Kota

No. of BoS	Date of Board of Studies
1 st Board of Studies	12 Oct., 2018
2 nd Board of Studies	30 Dec., 2019

X. Staff Council:

Staff council at each college is an authority of the College. The staff council consists of Dean of the College as Chairman, all Heads of Departments, ADSW, College librarian, Incharge of NCC/ NSS/ NSO, Chief Hostel Warden. Assistant Registrar is the member secretary.

The staff council advises the Dean in administrative and academic matters referred to it, approves budget of the college and discusses any matter brought before it by the Chairman and any of its members.

Power and Functions of Staff Council

- (i) To advise the Dean on academic, administrative and disciplinary matters referred to it.
- (ii) To consider and approve the budget proposal of the College for onward transmission to the University.

The Staff Council Meetings held at College of Horticulture & Forestry, Jhalawar (during Last five years)

No. of Staff Council	Dates
Staff Council Meeting	02 Jul., 2016
Staff Council Meeting	20 Oct., 2016
Staff Council Meeting	03 Feb., 2017
Staff Council Meeting	15 Jun., 2017
Staff Council Meeting	20 Aug., 2017
Staff Council Meeting	05 Oct., 2017
Staff Council Meeting	18 Nov., 2017
Staff Council Meeting	19 Dec., 2018
Staff Council Meeting	30 Aug., 2019



The Staff Council Meetings held at College of Agriculture, Ummedganj, Kota (during Last two years)

No. of Staff Council	Dates
Staff Council Meeting	05 Oct., 2018
Staff Council Meeting	07 Sep., 2019
Staff Council Meeting	08 Nov., 2019
Staff Council Meeting	20 Jan., 2020
Staff Council Meeting	20 May, 2020
Staff Council Meeting	07 Jul., 2020
Staff Council Meeting	05 Dec., 2020



XI. Grievance Committee:

There is a Grievance Committee for considering the complaints received from the students regarding questions paper of final examinations. It consists of the following:

1	Chairperson of the Faculties	Chairman
2	One member to be nominated by VC	Member
3	Controller of Examinations	Member Secretary

The committee considers all the complaints submitted by the students through respective Dean along with his/her comments with regard to question papers of final examinations and recommends.

- (a) Appropriate relief to the students in each case if felt necessary
- (b) Any remedial measure to be taken for future.

The recommendation of the committee is submitted to the Vice-Chancellor for approval.

XII. Equivalence Committee:

There is an Equivalence Committee to consider the equivalence of various degrees / examinations awarded by different Boards/ Universities of India and abroad

The committee shall consist of the following:

1	Vice-Chancellor or a person nominated by him/her	Chairman
2	Chairperson of the faculties	Member
3	Director Education	Member
4	Controller of Examinations	Member
5	Registrar	Member Secretary

The recommendation of the committee is submitted to Vice-Chancellor for consideration.

XIII. Education Council:

There is an Education Council comprising of the following:

1	Director Education	Chairman
2	All the Deans of the constituent colleges	Member
3	Director Students Welfare	Member
4	Controller of Examinations	Member
5	Librarian	Member

Functions of Education Council :

- (i) This council is responsible for the development and finalization of the Information Bulletin and Post graduate regulations containing the details pertaining to admission, rules of UG and PG courses/ programmes and degree requirements concerning all the faculties of the University.
- (ii) Any matter related to under graduate and post graduate studies referred to this council.

XIV. Sports Board :

There is a Sports Board at University level consisting of followings :

1	Director Students' Welfare	Chairman
2	Chairpersons of all Faculties	Member
3	Assistant Director Physical Education nominated by Vice-Chancellor	Member
4	Secretary Sports Board	Member Secretary

Functions of Sports Board :

- (i) To arrange and regulate games and sports facilities for the students.
- (ii) To encourage participation of the students in games and sports.
- (iii) To arrange facilities and incentives to students for their participation at Inter-collegiate/ inter university and State and National level games and sports.

6.6.1.3 University Statutory officers and their selection process:

University Statutory Officers :

- (i) the Vice-Chancellor;
- (ii) the Directors;
- (iii) the Deans;
- (iv) the Registrar;
- (v) the Comptroller;
- (vi) the University Librarian;
- (vii) the Director, Students' Welfare;
- (viii) the Controller of Examinations;
- (ix) the Estate Officer; and

list of the present positions occupied by the officers

Sr. No.	Name of the position (sanctioned)	Name of the Officer (at present)	Date of appointment	Tenure	Appointed/ Nominated
1.	Vice- Chancellor	Dr. D. C. Joshi	22.08.2019	3 yr.	Appointed by Governor
2.	Dean, CH&F, Jhalawar	Dr. I.B. Maurya	01.04.2018	3 yr.	Nominated by Vice Chancellor
3.	Dean, COA, Kota	Dr. M. C. Jain	25.05.2019	3 yr.	Nominated by Vice Chancellor
4.	Director Research	Dr. Pratap Singh	27.02.2016	3 yr.	Nominated by Vice Chancellor
5.	Director Extension	Dr. S. K. Jain	01.09.2020	3 yr.	Nominated by

	Education				Vice Chancellor
6.	Director Education	Dr. Ashutosh Mishra	01.10.2020	3 yr.	Nominated by Vice Chancellor
7.	Director Human Resource Development	Dr. (Mrs.) Mamta Tiwari	01.10.2020	3 yr.	Nominated by Vice Chancellor
8.	Director Planning, Monitoring and Evaluation	Dr. Mukesh Goyal	01.10.2020	3 yr.	Nominated by Vice Chancellor
9.	Director Student Welfare	Dr. Jitendra Singh	31.12.2018	3 yr.	Nominated by Vice Chancellor
10.	Controller of Examination	Dr. Virendra Singh	27.09.2019	3 yr.	Nominated by Vice chancellor
11.	Registrar	Ms. Mamta Tiwari (RAS)	28.11.2019	-	Posted by State Government
12.	Comptroller	Sh. Ramdhan Raigar (RAcS)	27.09.2019	-	Posted by State Government
13.	Estate Officer	Er. Akhil Saxena, Estate Officer	22.09.2020	-	Posted by State Government

Selection process of University Statutory Officers is as:

S. No	Post	Selection Process
		(Appointed / Nominated)
1.	Vice-Chancellor	Appointed by Chancellor on recommendation of selection committee
2.	Registrar	Posted by State Government from one of the Rajasthan Administrative Services.
3.	Comptroller	Posted by State Government from one of the Rajasthan Accounts Services.
4.	Dean, College of Agriculture, Kota	Nominated by Vice Chancellor
5.	Dean, College of Horticulture & Forestry, Jhalawar	Nominated by Vice Chancellor
6.	Director, Education	Nominated by Vice Chancellor
7.	Director, Research	Nominated by Vice Chancellor
8.	Director, Extension Education	Nominated by Vice Chancellor
9.	Director, Human Resource Development	Nominated by Vice Chancellor
10.	Director, Prioritization, Monitoring & Evaluation	Nominated by Vice Chancellor
11.	Director, Student Welfare	Nominated by Vice Chancellor
12.	Controller of Examination	Nominated by Vice Chancellor
13.	Estate Officer	Posted by State Government

6.6.1.4 Decentralization of power:

The Board of Management has delegated the following administrative and financial powers to Vice Chancellor and other Officers.

1. Vice-Chancellor :

- The Vice-Chancellor is the principal executive of administrative and academic office of the university and chairperson of Board of Management, Academic Council, Research Council, Extension Education Council, Senior Officers Council, and many more important committees of the university. In the absence of the Chancellor, he presides at the convocation of the university and confer degree to the persons entitled to receive them.
- The Vice-Chancellor can exercise general control over the affairs of the university and is responsible for maintenance of the discipline, close coordination and integration of teaching, research and extension education in the university.
- The Vice-Chancellor convene the meetings of Board of Management, Academic Council, Research Council, Extension Education Council, Senior Officers Council etc.
- The Vice-Chancellor ensure observations of the provisions of the act and statutes.
- The Vice-Chancellor is responsible for the presentation of annual, financial estimated and annual account to the Board.
- The Vice-Chancellor can take any action in any emergence, which in his opinion call for immediate action.
- The Vice-Chancellor can exercise all powers and perform such other duties which are conferred or imposed upon him under the provisions of Act and Statutes of the University.

2. Director Education

- The Director Education is concerned with the policy matter and system regarding resident instruction in the university and development of education technology and teachers training programme.
- He is a member secretary of Academic Council. He is responsible for maintaining permanent record of academic council, performance of students of the university, including courses taken, credit obtained, degrees, prizes and other distinctions pertaining of the academic performance and discipline of the students.
- He also oversees the examinations of postgraduate degree programmes.

3. Director Research

- The Director Research is responsible for direction and coordination of research programme in the university as laid down under section 31 and efficient working of research stations.
- Ensure that all research programme are conducted within the appropriate departments/ places and also responsible for conducting RC and ZREAC meeting and other meetings timely and regularly.

- He is responsible for initiation, organization and conduct of research program of the university and for that purpose shall pass such orders as may be necessary in consultation with the head of the research institutes/ farm such as ZDR of research station, Incharges of substation/ Incharges of seed farms and that of the project concerned.
- He exercises broad administrative control over staff of research stations such as ARS, Seed farms and ARSS, research funds allotted for the purpose and all physical facilities and material assigned by the university for the pursuit of research program and seed programme.
- He represents the University in conferences regarding research.
- Publishes regularly research reports, bulletins, research highlights and press release, which summarizes the practical research findings on important problems.
- Supervises and ensure efficient working of the Research Station/ Sub-Station of the University.
- Prepares the budget of Research and responsible for obtaining regular budget from ICAR/ Government and other agencies.
- Responsible for development of research collaborations with other university/ Organization/ ICAR within and outside the country through Vice-Chancellor.
- He performs such other duties and functions as may be assigned by the Vice-Chancellor.

4. Director Extension Education:

- The Director Extension Education is responsible for extension education programme as laid down under section 32 and efficient working of KVKs.
- He is responsible for initiation, organization and conduct of extension educational programmes of the University and for that purpose shall pass such orders as may be necessary in consultation with the Head of Departments concerned and other concerned persons.
- He exercises broad administrative control over extension education staff and funds allotted for the purpose and all physical properties, facilities and materials assigned by the University for the pursuit of extension programmes.
- He formulates extension educational programmes and present to the extension education council for its consideration.
- He represents the University in conferences regarding extension education.
- Supervises and manages activities of KVKs and farms allotted there to.
- Prepare budget of extension education and with respect to the employees working under him.
- Perform such other duties and functions as may be assigned by the Vice-Chancellor.

5. Director Human Resource Development:

- The Director Human Resource Development (HRD) is directly responsible to the Vice-Chancellor. In addition to the functions provided under section 29 (4), the Director HRD have the following functions and powers.

- Organising and conducting induction training programme (orientation programme) for newly appointed teachers in the University and refresher courses for in service teachers / scientists.
- Organising group discussions, seminars and workshops on areas of topical interest in agricultural research and education system.
- Commercialization of innovation and technologies through organised intellectual propriety right and knowledge sharing system.
- Organising advance training courses in frontier areas of agriculture, research management, educational technology, professional and curriculum development etc.
- Perform such other duties and functions as may be entrusted by the Vice-Chancellor.

6. Director Students' Welfare

- The Director Students Welfare is directly responsible to maintain general discipline amongst the students in the University and have the duties as laid down under section 29 (7) of the Act and Statutes of the university.
- To make arrangements for the housing and mess of students.
- To arrange programme of student counselling.
- To assist in the placement of students of the University and arrange campus interviews.
- To communicate the guardian of students concerning their welfare.
- To exercise general control and supervision on the physical education programme and other co-curricular activities of the students.
- To make arrangements for scholarships, stipends and such other financial assistance to the students.
- To take all steps as he thinks necessary to maintain peace and harmony among the students.
- To take all such steps as may be necessary for better information exchange among the campuses regarding student affairs.

7. Deans

- The Dean is the Chief Executive Officer and head of the college and responsible for administrative and implementation of teaching, research and extension activities in the college.
- The Dean of the college is responsible for maintenance of the students discipline in the college and empowered to take suitable disciplinary action against the student of his college
- The Dean of the college preside over the Board of Studies of faculty in the college.

8. Director Prioritization, Monitoring and Evaluation

- Director PM&E is responsible for preparation of perspective plan of the university and evaluation of existing programmes of the university in consultation of concerned officer of the university.

- Publish of annual reports and university newsletters.
- Preparation of all such documents as may be necessary for getting the accreditation of the university by competent bodies.
- Plan the effective utilization all the resources of the university i.e. manpower, material and money and monitor of the same.

9. Registrar:

In addition to the powers conferred and duties imposed upon the Registrar providing under Section 27 of ACT 2013, the Registrar shall have the following responsibilities :

- The Registrar is the ex-officio Secretary of the Board of Management.
- Keep and maintain all establishment record of the University meticulously.
- Issue notices/order and maintain the minutes of all the meetings of Board of Management and of the other Committees constituted by the University.
- Conduct the official correspondence of the Board of Management.
- Initiates steps to fill in the vacancies as soon as they are notified to him/her in accordance with the provision laid down in the Act and Statutes.
- The Registrar shall exercise other power and perform such other duties as may be directed by the Vice-Chancellor or assigned to him by the Board.

10. Comptroller

In addition to the powers conferred and duties imposed upon the Comptroller under section 28 of the Act, the Comptroller shall also perform the following responsibilities:

- The comptroller is the ex-officio secretary to the Finance Committee.
- Ensure that the budget of the University is prepared and implemented.
- Issue notices/orders and maintain the minutes of all the meetings of Finance Committee and of the other committees constituted by the University for financial and other related matters.
- Ensure that all accounts of the University are properly kept, adjusted and audited.
- Ensure that expenditure not authorized in the budget is not incurred without appropriate sanction.
- Collect the income and fees of the University and pay promptly salaries and other amounts due to the staff.
- Execute all financial/purchase contracts on behalf of the University.
- Devise and install suitable system of accounting and business procedure. Prepare accounts manual and make it available for use in all University offices.
- Develop and operate an internal audit system so that records of all officers/teachers and employees responsible for the receipt or expenditure of money, for keeping accounts or for custody of property may be verified by the audit.
- Prescribe financial norms to be used throughout the University.

- Sanction leave to all the employees under him directly and counter sign TA bills, and taking disciplinary action against the employees working under him directly and accounts persons working in the units, as per powers delegated.
- Sanction and arrange pay and allowance to all the officers, teachers and employees of the University and issue all sanctions in time so that work is not hampered and budget is utilized properly without any lapse.
- Ensure that dealings regarding financial and accounts matters with the Government, authority responsible for auditing of the accounts of the University, various related committees and other aid granting agencies are on correct lines.
- Perform such other functions and duties as may be directed from time to time by the Board or Vice-Chancellor.

11. Controller of Examinations:

In addition to the duties and functions conferred by the Act under section 29 (8), the Controller of Examinations shall also have the following duties & functions:

- He is fully responsible for the enrolment and migration of students, conduct of University examinations, declaration of results, issue of provisional degree certificate, notification of merit lists, issue of merit certificates, preparation of degrees, marksheets, award of gold medals and all other matters connected with examinations.
- He acts as member secretary of Result Committee and Committee for preventing use of unfair means.
- He is responsible for maintaining records of all degrees and diplomas conferred by the University.
- He is responsible for the conduct of all external examinations of the University and declaration of their results.
- He is responsible for conduct and supervision of entrance examination for admission and other examinations, if any.
- He determines the equivalence of degrees of other Universities/ certificates of Boards of other states for granting equivalence to be approved by equivalence committee.
- He performs such other duties and functions as assigned by the Vice-Chancellor.

12. Estate Officer

In addition to the power conferred and duties imposed upon Estate Officer by the Act under section 29(9), he/she shall have the following duties :

- To maintain records and registers of all University land and buildings and other immovable properties.
- Construction and maintenance of University buildings, roads, fencing, play ground, parks, lands and assets other than the land comprising the agricultural farms.
- Construction and maintenance of utility services like, electricity, water supplies, etc.

- Maintenance of fire protection services.
- Maintenance of architectural and constructional services of the University.
- Preparation of annual budget of the University for construction and maintenance of the buildings and periodical reports showing the progress of work under construction.
- Drawing, disbursing and collecting money, countersigning bills and granting leave and taking disciplinary action with respect to employees working under him/her as per power delegated.
- Shall perform such other duties as may be assigned to him by the Vice-Chancellor.

6.6.1.5 Supporting Units

1. IT Cell

A separate IT cell exists at the university level. It maintains all ICT functions including website. At the main administrative building, a well-established local area internet / server room having 100 mbps 1:1 internet leased line, View sonic fire wall routers and LAN caballing network exists. All the units and major buildings in the campus are connected to LAN, through Optical Fibre Cable and wireless access points provided at specific locations. Besides, the following IT facilities are available at university secretariat :

- Conference hall having the facilities of hardware based 1:6 and software based video conferencing with good audio conference (PA) system and LED screens, and is provided with 3KVA UPS.
- Meeting hall having Audio Conference (PA) System with on Table Boundary Microphones, Amplifier, Loud speakers, Digital signal processor etc. Fully equipped 86 inch LED display touch screen with minicomputer and its own inbuilt e-signage system and content sharing. Panasonic codec 1:1 and PTZ camera and a 3.5 KVA UPS, have also been installed for hardware based video conferencing.
- For online teaching, meetings and conferences, organizational edition of Microsoft Teams has been procured in the university.
- Almost all the staff members are having access to computer and printing facilities.

2. Placement Cell

Placement cell is one of the initiatives of the University to guide and help the graduated students in finding suitable jobs; the placement cell is working at both University and college level. Students have been placed in the government, semi government, private sector organizations and other institutions. Some of the meritorious students have cleared State/ National level competitive examinations and got postings.



3. RTI Cell

Agriculture University, Kota has implemented the Right to information Act-2005. According to the Section 4(1) (b) of the RTI Act-2005, all the up to date information pertaining to the Public Information Officers and Public Appellate Authority and the information pertaining to the University are made available from time to time. The University has efficiently and satisfactorily responded to various requests received under RTI Act-2005 within the stipulated period. All the cases were disposed of successfully to the satisfaction of the all concerned.

4. Estate Office:

The University has a well-established Estate Office which is headed by a Estate Officer of the rank of Executive Engineer who is deputed by State Government. The cell looks after the construction of new as well as maintenance of existing buildings, roads, electricity and water supply for all the units under the jurisdiction of Agriculture University, Kota

5. SC/ST Cell:

There is a SC/ST cell which looks after the matters related to safe guard of the interest of Scheduled Castes, Scheduled Tribes and Other Backward Caste employees/students community.

SC/ST cell of Agriculture University, Kota :

1	Dr. Mahendra Singh, Senior Scientist and Head, Krishi Vigyan Kendra Kota	Convenor
2	Dr. Priti Verma, Assistant Professor, Agriculture Research Station, Ummedganj, Kota	Member
3	Dr. P.K.P. Meena, Assistant Professor, Agriculture Research Station, Ummedganj, Kota	Member

6. Grievance Redress Cell: To look after the grievances of the staff of the University, a grievance cell is functional at university level and all kinds of grievance falling under the umbrella of University are communicated to the committee who meets to resolve the problems if any.

7. Sexual Harassment of Women at Workplace (Prevention, Prohibition & Redress Act 2013):

The cell assure that the women of the university are safe at their workplace.

1	Dr. Mamta Tiwari, Professor & Director, HRD	Convenor
2	Dr. (Mrs.) Kavita Aravindakshan, Asstt. Prof., CH&F, Jhalawar	Member
3	Dr. C. K. Arya, Asstt. Prof., CH&F, Jhalawar	Member
4	The Topper student of the faculty concerned	Member
5	Mrs. Manju Meena, TA, ARS, Kota	Member
6	Ms. Hemlata Gandhi, Director Manager, NULM Nagar Nigam Kota	Member
7	Head of the concerned unit	Member
8	Sh. Vikram Dave, Legal Assistant, AU, Kota	Member Secretary

Activities undertaken by the cell

S. No.	Dates of meeting and discussion	Topic discussed
1.	05.09.2019	Gender sensitization at work place–By Mithali Garg, Additional SP, Crime Branch, Kota
2.	17.02.2020	Webinar on sexual harassment at work Place
3.	30.09.2020	One day Self-Defense training for girls & woman employees



8. Anti- Ragging Cell

The Anti-Ragging Cell has been established at all the colleges and Anti-ragging committees are formed to create awareness on curbing ragging and preventing such inhuman activities. To keep the surveillance, anti-ragging squad is also formed under the supervision



Surveillance Camera at CH&F, Jhalawar



Surveillance Camera at COA, Kota

of the Dean. The squad is assisted by Chief Warden, Wardens and other faculty members of the college. The squad frequently makes surprise visits of the hostel premises, canteen, corridors, class-rooms, laboratories, field Labs and play grounds. The squad observes the student's behaviour during the class hours and also during closure of class/lab sessions and

even after office hours in the playground and hostel premises. The vigilance activities are carried out even during holidays as well.

All the students are registered themselves on the website

<http://www.amanmovement.org>

and <http://www.antiragging.in>

and give undertaking that they will not involve/indulge in any type of ragging activities of the college dully endorsed by their parents. Regular posters are displayed and instructions passed to students not to involve in ragging activities and if involved, it will be punishable.



Anti Ragging poster displayed at different units of the colleges

Orientation and joint sensitization programmes are conducted by the college administration sensitizing students not to involve in ragging. Counselling of both fresher's and seniors are conducted specially during admission of new students. Every teaching and non-teaching staff, employees of mess/canteen are given necessary instructions to keep strict vigilance and to report any incidence of ragging to the college authorities.

Awareness programmes are conducted to educate students about ill effects of ragging. Awareness was through posters, short movies, videos clippings and skits.

6.6.1.6 Technology Support

Quality education is an essential requisite in today's competitive environment where technology has affected us in every aspect of life. New methods of teaching have been introduced as Smart Classrooms using instructional material, modules and videos, online classes, e-learning, e-courses, etc.

Technology support like computer laboratory, online learning tools, internet/ WiFi connectivity, smart class rooms with all digital amenities like digital podium, interactive boards, projectors, etc. are available in different colleges, library and other important units of the University. Leased line internet connection has been procured for LAN/WAN connectivity to different units. Internet connectivity has also been provided to students.

Information and communication technology

Technologies in rooms, Computer Lab etc.	<p>a. Campus is enabled with high speed internet & Wi-Fi facility for all students and staff.</p> <p>b. Classrooms are equipped with ICT Tools.</p> <p>c. Computer labs have been established at both the colleges.</p>
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	d. Video Conferencing facilities are available at all centres.
Online learning tools	University has a license copy of Microsoft Teams software for online learning tools besides zoom and google meets platforms are also used for conducting online classes, webinars etc., Class wise WhatsApp groups have been created to share the online teaching lectures. Lecture schedules and teaching material are regularly uploaded on college website
Internet/Wi-Fi connectivity	University headquarters and all teaching campuses has hi-speed internet lease line/ WLL connectivity of 100 mbps.
Students system (e.g. online enrolment)	Yes
Business application	Software IUMS: Integrated University Management System for salaries, pensions etc.; PFMS: Public Finance Management System); Purchasing Government e-Marketplace GeM. The software module for recruitment HRMS are being operative in the university.
Computer help-setup for e-mail and firewalls	Firewall system exists and email IDs have been provided to faculty of all units of the university.



Smart Classroom



Video Conferencing

6.6.1.7 Institutional Database and Website Update

IT Cell centrally maintains the University's website where all the activities related to education, research, extension and all other activities related to university are regularly uploaded. The details of all the offices working under university jurisdiction, staff, tenders, vacancies, Content Mgt. System (CMS) of Agro Advisory and Weather Forecasting are also available on the University website. IT Cell keeps close liaison with different units of the university about their significant events and keeps the website updated as and when required. The information is also shared on HTE portal of GoR where the details of students, course management system and faculty profile can be accessed. The details of research, extension and other directorates and their units are available on the website along with their projects and various publications of the University such as Annual Reports, Vision document, newsletters, etc.

The website is facilitated with Screen Reader Access compatibility for the visually impaired persons along with the feature of management of font size.

The university website is facilitated with facebook & twitter to follow us.

6.6.1.8 Interdepartmental Linkages

The University is currently adopting decentralized, participatory, adaptive and multifarious demand supply side extension-research-academic approach which involves public, private and the civil society.

- All three components of the University viz. education, research and extension are linked with each other in participatory mode and the faculties of these units are involved in all the three activities working on principle of integration. Faculty of research and extension are also providing their feedback and contributing in teaching as well as guiding the students in colleges of the University.
- Similarly, the faculties posted to teaching provide their inputs in research and extension activities as and when required. Scientists of different departments are involved in diverse research projects along with guiding PG research students in collaborative mode.
- The teachers from other teaching units of the University are interlinked in teaching and student guiding activities. They are also members in advisory committees of PG and Ph.D. students and multidisciplinary projects are carried out by involving scientists from other disciplines.
- Research and extension priorities of different zones are finalized by the ZREAC (Zonal Research & Extension Advisory Committee).
- The officials of State Departments, ICAR Institutes and progressive farmers are the important members of ZREAC meetings in finalizing the recommendations and future research and extension activities. These recommendations are further passed on to KVKs for disseminating to the farmers in the form of technologies.
- For strengthening of research, extension and capacity building of farmers as well as extension workers of developmental departments, University has linkages with Rajasthan state Department of Agriculture and Horticulture, Forestry and other State Agriculture Universities.
- The ICAR institutes such as CAZRI Jodhpur, AFRI Jodhpur, CIAH Bikaner, NRC on seed spices Tabiji Ajmer are closely associated with the university in respect to conduct of the research and provide technical guidance.
- University is conducting research on burning issues with inter departmental approaches and outcome of the research is disseminated to the farmers and extension workers by different outreach activities such as Frontline Demonstrations, Field Days, Melas, Training Programmes, Seminars, Workshops field visits *etc.*

6.6.1.9 Monitoring Mechanism

The University is currently following the Vth Deans Committee recommendations in teaching programmes. Comprehensive curriculum monitoring mechanism is being taken up by Deans of the respective teaching units of the University. The Faculty Chairman, Board of Studies and Academic Council further looks into the monitoring mechanism of the curriculum. Both internal and external evaluation methods are being involved for evaluation of performance of students. External examination system is followed for theory and practical examination for all courses. In case of any grievance reported by the students, the Controller of Examinations (COE) reviews the examination papers at the University level, followed by recommendations of Deans / Director. CCTV cameras are installed in the class-rooms to monitor the teachers as well as the students' activities.

Every year, the Annual Performance Appraisal Report (APAR) is being filled up by the staff and is duly checked and forwarded through respective In-charges to the University administration. The attendance of the University staff is maintained by biometric system which is reported to the Governor's office as and when required. Regularity of students in classes and daily lectures are also reported to the head of the respective institutions.

6.6.1.10 Institute Quality Assurance Cell/PME Cell

The Dean of the respective colleges initiates plans and supervises various activities necessary to increase the quality of education imparted in the university. It maintained standard of the quality of in teaching, learning, and evaluate research and its outcome. It promotes and determine quality related activities and issued through various programmes and activities such as seminar, workshops symposia, conferences and academic meetings etc. for all the stakeholders of the institution.

The Directorate of Prioritization, Monitoring and Evaluation plan and monitor education, research, extension activities, human resource, finance etc. The directorate also compile all the information and prepare various types of university documents viz: annual reports, monthly reports, newsletters, etc. periodically.

Further, Directorate of Research identifies thrust areas of research, draws research priorities of the university for shortlisting researchable problems across crops/divisions/ programme, commodity etc. Director Research coordinates and arranges for monitoring of each ongoing and completed research projects, coordinates and synthesizes the recommendations of QRT, Research Council etc. It maintains a database of all publications and technologies developed.

Agriculture Technology Management and Quality Improvement Centre is functioning under Director Extension Education at the University headquarter is responsible to meet the requirement of farmers with respect to latest technologies, quality seed and planting material, diagnostic facilities, literature and training through incorporation of ICT. A equipped with hi-

tech training facilities with video conferencing, Kisan Call centre with ICT enabled educational kit and ICT lab to fulfil above purpose.

6.6.1.11 Collaboration with Academic Institutions and Industry

Academia-industry interface is characterized by the interactive and collaborative programme between academic institutions and industrial sector for the attainment of certain reciprocally beneficial purposes and mission. The colleges of AU Kota are in synergy with industry through different modes. In addition to this, various linkages & networking with external agencies in Research/ Extension and Teaching is a common practice in the system.

For Any university to offer quality academic programmes, liaison with the research institutes in relevant fields is a must so that the students and staff get exposed to the new technologies being developed at the research institutes. For this purpose, the following MOUs were executed with different institutes / organizations/ industries

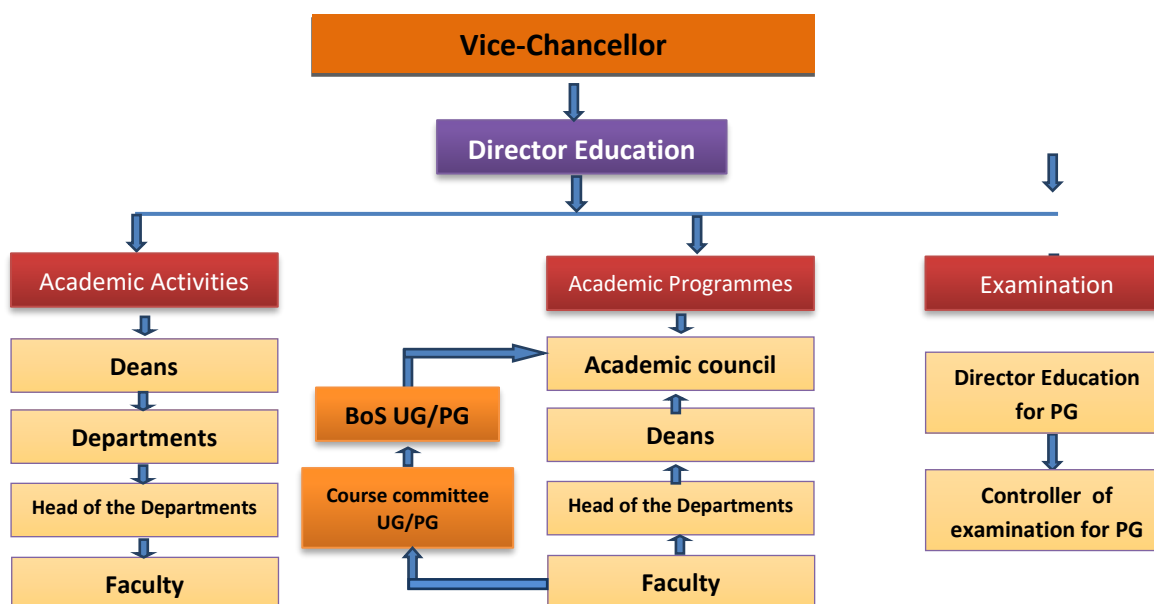
S. No.	Name of institute	Subject	Date of MOU	Duration
1.	ICAR-Indian Institute of Soil & Water Conservation, Regional Station, Kota	Cater the research needs and solutions.	30.11.2017	Continue
2.	ICAR, Pusa New Delhi	To conduct the research through AICRPs on various crops (14 AICRPs).	Feb.- March 2014	Long term
3.	ICAR, Pusa New Delhi	To run the KVK in the different district of the university jurisdiction area of Rajasthan	Feb.- March 2014	Long term
4.	MPUAT, Udaipur	Collaborating in teaching, research and extension education	26.08.2017	Continue
5.	Information and Library Network (INFLIBNET) Gandhinagar.	Library Network & antiplagiarism	14.12.2020	Long term
6.	SKNAU, Jobner	Collaborating in teaching, research and extension education.	30.07.2020	Continue
7.	BRNS, Mumbai	Collaborations for research on Moong	17.2.2017	Continue
8.	ICRISA, Hyderabad	Collaborations for research on Chickpea	15.1.2015	Continue
9.	ICARDA, Lebanon			
10.	ICAR-IISR, Indore	Collaborations for research on Soybean seed hub (breeder seed)	19.3.2019	Continue

11.	ICAR-IISR, Mau			
12.	IIOR- Hyderabad	Collaborations on Oil seed hub	19.7.2018	Continue
13.	Centre of excellence on organize farming, Jhalawar	For teaching and research	23.3.2017	Continue
14.	Kota University, Kota	Research and academic activities	9.2.2021	Continue

- Students Projects under academic requirement are taken up in collaboration with organizations ranging from agri input companies to banks.
- Guest lectures of eminent personalities from various industries and institutions are arranged for students and staff that enrich their knowledge about industry needs, latest technical updates, avenues for higher studies etc.

6.6.2 Academic Support

All the academic programmes of the university are administrated by the Academic Council of the university and Director Education serves as Member Secretary of the Council. The policy matters and systems regarding resident instruction in the university and development of educational technology, teachers training programme are implemented with the coordination of respective Deans and Directors. The Director of Education is responsible for maintaining permanent records of the Academic Council, Under Graduate and Post Graduate Studies and maintaining students' discipline in the university.



6.6.2.1 Academic Council

The Academic Council has powers to make regulations for specifying all courses of study and determining the curricula. It has general control on teaching and other educational programmes of the university and it is responsible for maintaining the standards of the same.

- Composition of Academic Council**

1	Vice-Chancellor	Chairman
2	Director of Research	Member
3	Director of Extension Education	Member
4	Deans of Constituent Colleges	Member
5	Director Students' Welfare	Member
6	Heads of the Departments	Member
7	Registrar	Member
8	Controller of Examinations	Member
9	Four co-opted members	Member
10	One Eminent Educationist from outside the University nominated by the Vice-Chancellor	Invitee Member
11	Comptroller	Invitee Member
12	Director of Education	Member Secretary

• **Meetings of Academic Council**

During the last five years, the Academic Council has met for 14 times to deliberate on various issues related to education. The dates of the meeting are given below:

S. No.	No. of meeting held	Dates	Action Taken Report
1.	3 rd Academic Council	07 July, 2015	Annexure –I
2.	4 th Academic Council	26 Feb, 2016	Annexure –II
3.	5 th Academic Council	04 June, 2016	Annexure –III
4.	6 th Academic Council	23 Sep, 2016	Annexure –IV
5.	7 th Academic Council	17 Feb, 2017	Annexure –V
6.	8 th Academic Council	10 May, 2017	Annexure –VI
7.	9 th Academic Council	12 Dec, 2017	Annexure –VII
8.	10 th Academic Council	08 June, 2018	Annexure –VIII
9.	11 th Academic Council	22 Sep, 2018	Annexure –IX
10.	12 th Academic Council	23 Jan, 2019	Annexure –X
11.	13 th Academic Council	16 July, 2019	Annexure –XI
12.	14 th Academic Council	06 Feb., 2020	Annexure –XII
13.	15 th Academic Council	06 Oct., 2020	Annexure –XIII
14.	16 th Academic Council	19 Dec., 2020	--



6.6.2.2 Innovation and Best Practices

The University has initiated various innovative practices in the interest of quality education to the students for assuring internal quality and inclusive practices, and stakeholder relationships, which could lead to the academic excellence. Following are some of the innovative practices adopted by the University.

- **Development of Smart Classroom:** The University is using various ICT tools for teaching the students. The Colleges have wi-fi connection and dedicated Microsoft Teams platform for the on line classes. The classrooms are fitted with LCD projector, smart board, digital podiums, visualizer etc. where videos, pictures related to the syllabus and recent developments are played.
- **Implementation of ICAR Fifth Deans' Committee Report:** the recommendations of ICAR V Deans committee have been adopted in the university since academic session

2016-17. The revision and changes in the course structure, syllabus, student READY programme, evaluation system and other academic variations were put up to the respective Courses Committees and Board of Studies of the faculty. The new academic structure as per ICAR –V Deans committee recommendations with necessary changes was approved by the Academic Council of the university. However, for the faculty of Agriculture, the V Deans recommendations were adopted on establishment of the College of Agriculture, Kota and commencement of academic programme since year 2018-19.

- **Implementation of State level common admissions:** The University took lead in making the admissions to various UG/PG/PhD programmes through Joint Entrance Test (JET) and Pre-PG and Ph.D. examinations conducted at State level for admission. The JET is coordinated by Agriculture University, Kota for last two years for admission to all the SAUs of Rajasthan and private universities in the state.
- **External final theory examination:** The University is conducting final theory external examination for all the UG courses and core courses of PG /PhD. The practical examinations are conducted through a committee constituted by the Head of the respective Departments. The panel of examiners for theory examination is prepared and submitted by Faculty Chairman with the help of Head of Department and course teacher to the Controller of Examination within a month of commencement of the semester. The Controller of Examination, submit compiled panel of external examiners to the Vice-Chancellor, Agriculture University, Kota for the approval. Thereafter, all the activities for setting of question papers and providing it to the respective Deans of the Colleges for the commencement of examination, are taken up by Controller of Examinations.
- **External thesis evaluation :**
 - a. **Master's Degree Programme :** A thesis is submitted by each of the student for the partial fulfillment of the Master's Degree through the Advisory Committee to the Dean of the college, after conducting pre-thesis seminar. The thesis is submitted to Director Education of the University for further submission for external evaluation. The Director Education of the university sends the thesis to external examiner to evaluate the same. The external examiner is selected by Vice-Chancellor from the panel approved by the Academic Council. The External Examiner shall be a specialist in the student's major field of study. The External examiner shall send the report and the thesis back to the Director Education after evaluation. A viva-voce examination is conducted by the Advisory Committee after the thesis is recommended by the External Examiner.

b. Ph.D. Degree Programme : The thesis submitted in partial fulfillment of the Ph.D. degree by the advisory committee after conducting the pre-thesis seminar through Dean to the Director Education. The Ph.D. thesis is evaluated by two external examiners nominated by the Vice-chancellor from the panel approved by Academic Council.

The External examiners send evaluation report along with the thesis back directly to the Director Education. When both external examiners recommend the acceptance of thesis without any serious adverse comments, a viva-voce on the thesis is conducted by the advisory committee with the help of one of the external examiners under the chairmanship of the Director Education. When one or both examiners recommend revision of the thesis, the student is asked to revise it under the guidance of the Major Advisor and the supervision of advisory committee in accordance to the comments of the external examiners.

6.6.2.3 Library:

The Agriculture University Kota came into existence on September 2013 and presently the university does not have central library at the university head quarter. However, the constituent colleges of the university have their own libraries with conventional and electronic formats to cater the need of the students, faculty, researchers and trainees.

A. Library facilities at College of Horticulture & Forestry,

Jhalawar: College library is located in the main building of the college at second floor. The library has diverse collection of books, journals, magazines and newspapers. The library is strengthened to cater the needs of horticulture and forestry students in terms of physical and digital outreach. The book bank facility is special privilege to students.



• Availability of books, reading materials and wi-fi facilities:

Library holds about 13158 books under various subjects of horticulture and forestry. Apart from this, the library has 1292 reference books, 1562 books in book bank, 82 theses, 27 e-books, 53 manuals, CDs and DVDs, tutorials and other reference material.



Stacking of Books

• The library has **Wi-Fi enabled internet** facility favoring for information floating in scientific spheres across the globe. The library is fully air conditioned with CCTV, UPS and computer facility enabling internet surfing, e-journals, e-thesis facility to support students.

- **Digitalization of Library with KOHA:** Library is managed through KOHA Library management software with Radio frequency identification (RFID) for circulation of books.
- **Book Bank:** This facility was initiated during 2013 to meet out the textbook requirements of the students. Presently, book bank provides 1562 books and the facility is available for all bonafide students of the college. An open access system has been adopted for consultation and selection of books. In this system, all the books are issued for one complete semester.



Display of Journals & Magazines



Students reading in Library



Library

- **Reprographic Unit:** This unit is functional since 2013. The college supports students through reprography by print out facility of available resource material in the library. More than 2.0 lac copies of various reading materials have been zeroxed by various category of readers till date.
- **Periodicals cum e- resource facility:** This unit supports teaching as well as research programs of M.Sc. and Ph.D. degree running at the college. It has a collection of journals and theses. Access to e-research contents have been provided to facilitate the research activities.
- **Online Cataloguing (OPAC):** Books, CDs, DVDs and Journals etc. can be accessed through the library OPAC. The library catalogue can be searched out putting key words like author, title, series, publisher, subject, ISBN etc. A user can also check the status of a book, number of books borrowed, due date, due penalty charges etc. from the OPAC.



B. Library facilities at College of Agriculture, Ummedganj, Kota : The library is equipped with well-furnished modern racks and study tables, Wi-Fi, KOHA software and all the necessary requirements.

- **Books and other reading materials:** The library facilities in the college was initiated with

the establishment of college in the year 2018-19. The library has 2732 books, 300 e-journals, 68 e-books and 131 journals & magazines for the students and faculty members to acquaint with the desired information. RFID and KOHA – Library Management software, including anti theft gate, staff station reader, book drop box, self touch kiosk and hand held reader has also been installed at library for convenience of staff and students.

- **Availability of Internet and Wi-Fi facility :** The library is provided with separate internet leased line with speed of 100 mbps. There is separate digital library section which is equipped with computers with facility of internet connected to all computers. Wi-Fi facility is available in the library premises through which the students and faculty members browse the e-resources of the library in hostels and departments, respectively.
- **Reprography :** An independent section of the reprography / photo copy facilities is made available in the library for the students and faculty members.
- **Computer facilities :** A Computer lab. has been established at this college and equipped with 14 computers having Internet facility to cater the IT related needs of the academic community and students. The Lab hosts a wide access to the variety of general as well as specialized e-Journals, e- books and e-learning for the students.

6.6.2.4 Centre for Excellence / Advance Studies / Advance Faculty Training

The following centre of excellence have been established for advance research and training at various units of the university.

S. No.	Name of centre	Year of establishment	funding agency	Out come
1.	Hydroponic/ Aeroponic unit for hi-tech horticulture	2018	ICAR New Delhi	<ul style="list-style-type: none"> • Seventeen different types of vegetables have been grown and production technology is being standardizing. • The unit is utilize for experiential learning under student READY programme
2.	Food processing and Value Addition unit	2015	RKVY	During last five years 750 rural youth were trained in this project out of which 160 youths have started their own entrepreneurial unit in Soya paneer, Anola products, Garlic products, Pickles, Juices etc.
3.	Centre of Excellence in Garlic	2016	RKVY	<ul style="list-style-type: none"> • A low cost thatched roof bamboo garlic storage structure costing only Rs.1.0 lakh was developed at

				<p>the centre. The structure made from the bamboo sticks with cemented floor measures 15' (w) X 30' (l) X 12' (h) in size with the capacity of storing 10 tonnes of garlic.</p> <ul style="list-style-type: none"> • The farmers were aware for the cultivation, management and post-harvest technology of garlic through at their own field which shows 14 % to 16 % increase in production.
4.	Centre of excellence on mandarin	2014	In collaboration with state Govt.	<ul style="list-style-type: none"> • Nine species of mandarin have been collected from different part of the country and planted at the centre. • The production of quality planting material of the collected species is in progress.
5.	Centre of excellence on organic farming	2018	In collaboration with state Govt.	<ul style="list-style-type: none"> • The infrastructure facility have been created. • Land preparation and lay out of experiments on organic farming is in progress.

6.6.2.5 Incubation centre / startup units / venture capital:

Agriculture University has taken initiatives in entrepreneurship development with an aim to scout and nurture early stage agripreneurs by providing conducive environment for business growth through vocational trainings, mentoring, technology support, networking, incubating and hand holding. The start-ups have come-up in the field of value addition & food processing, protected cultivation, strawberry cultivation, dairying, beekeeping etc. Farmers producer organizations (FPO) have also been formed by the KVKs of the university.



Hydroponic at CH&F, Jhalawar



Food processing unit at KVK, Kota



Centre of Excellence on Garlic

(A) Food processing unit : the university has established training & skill development centre on food processing with necessary equipment and other infrastructure. The centre has

conducted many entrepreneurship and skill development trainings, about 30 numbers in last five years, benefiting about 680 trainees.

- Entrepreneurs Developed
 - (i) Soya processing entrepreneurs who established plants – 20
 - (ii) Amla processing entrepreneurs who established plants – 20
 - (iii) Garlic processing entrepreneurs who established plants – 15
 - (iv) Fruit & vegetable processing small units – 105
- Master Trainers in different fields of processing 80
- The skill improvement, self-employment, economic upliftment, women empowerment and enhancement in social status of the women was observed.

(B) Protected cultivation : College of Horticulture and Forestry, Jhalawar has established State of Art protected cultivation unit for trainings to the farmers and rural youth. More than 100 farmers of the region after taking training established different sizes of poly houses covering of about 2 lac square meter area and earning average of Rs. 0.75 to 1.00 lacs per 0.10 ha of poly house.



(C) Introduction of Strawberry cultivation : After taking training of skill development at College of Horticulture and Forestry, Jhalawar more than 25 farmers have started the new crop in region, strawberry cultivation with an earning of Rs. 0.75 to 1.00 lac per 0.05 ha.



6.6.2.6 Technology Enabled Learning Resources

University has created ICT based teaching learning infrastructure and other resources such as digital smart classrooms, high dedicated internet connectivity with Wi-Fi throughout the campuses, exclusive Microsoft teams based application for online teaching learning, hard ware and software base video conference system, digital library with KOHA



Workshop on Academic Management System

and other management software, academic management software, IUMS modules and e-courses, e-learning materials on university website. The university has a dedicated IT Cell

which monitors and maintains these facilities. The directorate of PM&E maintains and evaluates the functioning of the above mentioned system and its sustainability.

6.6.2.7 : Integrated learning system (Experiential learning) :

The Student READY programme recommended by ICAR is implemented at Agriculture University Kota for the students admitted from the academic year 2016-17. It includes one year study programme designed with ELP, RAWE, industrial attachment project and educational tour. The students are getting Rs.2500/- from ICAR and Rs.500/- from Agriculture university, Kota totally Rs.3000/- per month as stipend for six months.

Experiential Learning units: The university has established following experimental learning units :

CH&F, Jhalawar

1. Protected cultivation of high value Horticultural crops.
2. Commercial Horticulture.
3. Floriculture & landscape Architecture.
4. Beekeeping & honey processing
5. Raising of quality planting material of tree planting
6. Post-Harvest Technology and value addition
7. Tissue Culture Unit

More ELUs will be established in due course of time.



Honey Processing Unit

Forest Nursery

Protected Cultivation Unit

COA , Kota

1. Seed Production and technology,
2. Commercial Beekeeping,
3. Soil, Plant, Water and Seed testing
4. Commercial Horticulture



Commercial Horticulture



Soil, Plant, Water and Seed testing

6.6.2.8 Academic Industry Interface:

The university has close collaboration with the industry. Industry personnels are regularly invited for interaction with students, teachers and scientists. Further, the students of the university are attached with the agro-industries for specific period as mentioned in the student READY programme as per recommendations of the Fifth Deans committee for transfer of knowledge as well as development of entrepreneur skill among the students of the university. The university has also operated various private projects during last five years and benefitted in terms of resource mobilization, research funding and knowledge transfer. The details of these projects are given as under:

S. No	Project Title	Principle Investigator	Duration	Sponsoring Agency	Amount
1.	Evaluation of bio-efficacy, phyto-toxicity of Bentazone 48 % SL against weed complex in Soybean	Dr. D. S. Meena	2015-16 to 2016-17	Sharda Cropchem. Ltd.	4.50
2.	Effect of Dhanzyme granules on yield of wheat	Dr. B. S. Meena	2015-16 to 2016-17	Dhanuka Agritech Ltd.	3.00
3.	Studies on bio-efficacy, phytotoxicity, carry over and residual effect of Diquat 20% SL (DESSICASH) in potato.	Dr. R. S. Narolia	2015-16 to 2016-17	Sharda Cropchem Ltd.	4.50
4.	Studies on bio-efficacy, phytotoxicity, carry over and residual effect of diquat 20 % SL (DESSICASH) in fresh peas	Dr. Baldev Ram	2015-16 to 2016-17	Sharda Cropchem Ltd.	4.50
5.	Efficacy of RDS 63 20 SC against Lepidopteron pests of Soybean	Dr. H. P. Meghwal	2015-16 to 2016-17	Du Pont, India	3.00
6.	F 1430 against weed spectrum-bio-efficacy studies soybean.	Dr. D. S. Meena	2015-16 to 2016-17	FMC India Pvt. Ltd.	4.50
7.	Residue Testing of Bentazone 48% SL on Soybean	Dr. B. K. Patidar	2015-16 to 2016-17	Sharda Cropchem. Ltd.	4.80

8.	Studies on bio-efficacy, Phytotoxicity, carry over and residual effect of Bentazone 48 % SL (BASHAZON) in maize	Dr. J. P. Tetarwal	2015-16 to 2016-17	Sharda Cropchem. Ltd.	3.00
9.	Studies in Bio-efficacy, Phytotoxicity, carry over and residual effect of Quinchlioac 35 SC in direct seeded rice	Dr. Chandra Prakash	2016-17 to 2017-18	Sharda Cropchem. Ltd.	4.50
10.	Bio-efficacy data generation of Clothodim 25 % EC on Soybean crop.	Dr. D. S. Meena	2016-17 to 2017-18	Krishi Rasayan Export Pvt. Ltd, New Delhi	4.50
11.	Studies in Bio-efficacy, Phytotoxicity, carry over and residual effect of Quinchlioac 35 SC in transplanted rice	Dr. Chandra Prakash	2016-17 to 2017-18	Sharda Cropchem. Ltd	4.50
12.	Testing of mustard hybrids	Dr. P. K. P. Meena	2016-17 to 2017-18	Bayer crop science Ltd.	6.00
13.	Bioefficacy of Etofnprox + Daifenthiuron 31 % WG against thrips,mites,white fly aphid and fruit borer, its effect on natural enemies and its phytotoxicity on chillies	Dr. B. K. Patidar	2016-17 to 2017-18	Sharda Cropchem Limited	3.00
14.	Studies on residual effect of diquate 20 % SL (DESICASH) on succeeding crop after potato	Dr. R. S. Narolia	2016-17 to 2017-18	Sharda Cropchem Limited	0.75
15.	Studies on bio-efficacy, Phytotoxicity of fungicide "GPF 616 against the downy mildew of potato	Dr. C. B. Meena	2017-18 to 2018-19	UPL, Mumbai	3.00
16.	Studies on bio-efficacy, Phytotoxicity of fungicide Azoxystrobin 8.3% + Mancozeb 66.7% WG (Advancer Glow) against the disease complex of potato	Dr. C. B. Meena	2017-18 to 2018-19	UPL, Mumbai	3.00
17.	Studies on bio-efficacy, of herbicide Pendimethalin 38.7% CS (Dost Super) on chickpea	Dr. Rajesh Kumar	2017-18 to 2018-19	UPL, Mumbai	3.00
18.	Testing of Forage sugargraze (Sorghum)	Dr. H. P. Meena	2017-18 to 2018-19	Advanta Limited, Hyderabad	3.00
19.	Bio-efficacy of Clethodim 12% EC for controlling of grassy weeds in Onion and its effect on succeeding crop	Dr. Rakesh Meena	2018-19 to 2019-20	Deccan Fine Chemicals (India) Limited	4.50
20.	Bio-efficacy of Clethodim 12% EC for controlling of grassy	Dr. Pratap Singh	2018-19 o 2019-20	Deccan Fine Chemicals	5.25

	weeds in Soybean (Glycine max) and its effect on succeeding crop			(India) Limited	
21.	Bio-efficacy of Clethodim 12% EC for controlling of grassy weeds in Cotton and its effect on succeeding crop	Dr. Pradeep Kumar	2018-19 to 2019-20	Deccan Fine Chemicals (India) Limited	4.50
23	Bio-efficacy of VALXTRA against Rust; Cercospora Leaf spot; Alternaria leaf spot and Pod Blight diseases in Soybean crop	Dr. C. B. Meena	2018-19 to 2019-20	Willowood chemicals	3.00
24.	Bio-efficacy of TEKNOX against Stem borer, Girdle beetle, Leaf miners, Semilooper, Leaf eating caterpillar and Stem fly in Soybean crop	Dr. B. K. Patidar	2018-19 to 2019-20	Willowood chemicals	3.00
25.	Bio-efficacy, Phytotoxicity and residue of Ethalfluralin 36 %EC on Soybean against weeds and its effect on succeeding crop	Dr. Chaman Jadon	2018-19 to 2019-20	Saraswarti Agro-chemicals Jammu, J&K	4.50
26.	Effect of Dhanvarsha on growth and yield of soybean	Dr. Chaman Jadon	2018-19 to 2019-20	Dhanuka Agritech Limited, Delhi	3.00
27.	Bio-efficacy of Liquid formulation of Stanes Bio-Cure B (Pseudomonas fluorescence) in controlling Sheath Blight in Rice	Dr. D. L. Yadav	2018-19 to 2019-20	T. Stanes and Company Limited	3.00
28.	Bio-efficacy evaluation of seed treatment fungicide Saaf- WS (Carbendzim 12 % +Mancozeb 63% WS) against the diseases of soybean-reg.	Dr. C. B. Meena	2018-19 to 2019-20	UPL Limited	3.00
29.	Bio-efficacy and phyto-toxicity evaluation of UPH 2916 against complex weed flora of Pigeon pea and its effect on succeeding crop	Dr. Baldev Ram	2018-19 to 2019-20	UPL Limited	4.50
30.	Bio-efficacy and phyto-toxicity evaluation of UPH 2916 against complex weed flora of Tomato and its effect on succeeding crop	Dr. Rakesh Yadav	2018-19 to 2019-20	UPL Limited	4.50
31.	Testing of fodder sorghum hybrids (Nutritop)- 1st year	Dr. H. P. Meena	2018-19	Advanta Limited, Hyderabad	1.50

32.	Bio-efficacy evaluation of fungicide “CUPROFIX DISPERSS (Copper Sulphate 47.15 % + Mancozeb 30% WG)” on Pomegranate	Dr.Ladhu Ram	2018-19 to 2019-20	UPL Limited	3.00
33.	Bio-efficacy evaluation of fungicide “CUPROFIX DISPERSS (Copper Sulphate 47.15 % + Mancozeb 30% WG)” on Mandarin	Dr. Hanuman Singh	2018-19 to 2019-20	UPL Limited	3.00
34.	Bio-efficacy of Picoxystrobin 7.05% + Propiconazole 11.71% w/w SC (Galileo way) against foliar diseases in Soybean.	Dr. D. L. Yadav	2018-19 to 2019-20	Dupont India Lmt	3.00
35.	Bio efficacy of Diflubenzuron 20%+Deltamethrin 2% SC against Spodoptera spp. and Helicoverpaarmigera in Chilli”-	Dr. B. K. Patidar	2018-19 to 2019-20	Arysta Life Science India Pvt lmt Mumbai	3.00
36.	Bio efficacy of Diflubenzuron 20%+Deltamethrin 2% SC against Spodoptera spp. and Helicoverpaarmigera in tomato	Dr. H. P. Meghwal	2018-19 to 2019-20	Arysta Life Science India Pvt lmt Mumbai	3.00
37.	Bio efficacy of Diflubenzuron 20%+Deltamethrin 2% SC against <i>Spodoptera spp.</i> and <i>Helicoverpaarmigera</i> in brinjal	Dr. B. K. Patidar	2018-19 to 2019-20	Arysta Life Science India Pvt ltd Mumbai	3.00
38.	Bio-efficacy evaluation of herbicide “UPH 110b” in potato	Dr. S. N. Meena	2018-19 to 2019-20	UPL Limited	6.00
39.	Bio-efficacy evaluation of herbicide “UPH 110b” in tomato	Dr. Rakesh Yadav	2018-19 to 2019-20	UPL Limited	6.00
40.	Bio-efficacy evaluation of herbicide “UPH 2916 in Potato	Dr. S. N. Meena	2018-19 to 2019-20	UPL Limited	6.00
41.	Bio-efficacy evaluation of fungicide “SaafWS ” in Pea	Dr. D. L. Yadav	2018-19 to 2019-20	UPL Limited	4.00
42.	Bio-efficacy evaluation of fungicide “Avancerglow (Azoxytrobin 8.3% + Mancozeb 66.7 % WG)” in onion	Dr. D. L. Yadav	2018-19 to 2019-20	UPL Limited	4.00
43.	Bio-efficacy evaluation of fungicide “Boscalid + Pyraclostrobin” in tomato	Dr. Chirag Gautam	2018-19	UPL Limited	2.00
44.	Bio-efficacy evaluation of fungicide “UPF 1317” in tomato	Dr. D. L. Yadav	2018-19 to 2019-20	UPL Limited	4.00
45.	Bio-efficacy evaluation of fungicide “UPF 1317 in chilli	Dr. C. B. Meena	2018-19 to 2019-20	UPL Limited	4.00

46.	Bio-efficacy evaluation of fungicide “UPF 116” in Potato	Dr. D. L. Yadav	2018-19 to 2019-20	UPL Limited	4.00
47.	Bio-efficacy evaluation of insecticide “Lancergold ” in chilli	Dr. H. P. Meghwal	2018-19 to 2019-20	UPL Limited	3.00
48.	Bio-efficacy evaluation of insecticide “Atabron” in chickpea	Dr. H. P. Meghwal	2018-19 to 2019-20	UPL Limited	4.00
49.	Bio-efficacy evaluation of “UPFI 116” as tuber treatment against insect-pests and diseases in Potato	Dr. D. L. Yadav	2018-19 to 2019-20	UPL Limited	4.00
50.	Bt Biozyme and Rejoice WG	Dr. H. P. Meena	<i>kharif</i> 2019-20	Crop Science	2.50
51.	Bio-efficacy of DAH-307 17.18% EC against weeds, its phytotoxicity on Groundnut and effect on succeeding crops	Dr. Versha Gupta	2019-20 to 2020-21	Dhanuka Agritech limited, Delhi	6.00
52.	“Bio-efficacy evaluation of ATABRON (Chlorfluazuron 5.4% EC) on pigeonpea” for two seasons	Dr. H. P. Meghwal	2019-20 to 2020-21	UPL Limited	4.00
53.	“Bio-efficacy evaluation of ATABRON (Chlorfluazuron 5.4% EC) on Soybean”	Dr. B. K. Patidar	2019-20 to 2020-21	UPL Limited	4.00
54.	Bio-efficacy, Phyto-toxicity & effect on natural enemies of UPI 619 against Spodoptera sp., Aphid, and Dimond Back Moth (DBM) of Cabbage	Dr. N. L. Meena	2019-20 to 2020-21	UPL Limited	4.00
55.	Bio-efficacy evaluation of herbicide of UPH 616 against weed flora of transplanted rice and its effect on succeeding crops for two years	Dr. Chandra Prakash	2019-20 to 2020-21	UPL Limited	6.00
56.	Bio-efficacy of Quinalophos 20% + Deltamethrin 1% against pests of chilli	Dr. N. L. Meena	2019-20 to 2020-21	M/s. Agro Life Science Cooperation	4.00
57.	Bio-efficacy, Phyto-toxicity & effect on natural enemies of UPI 619 against Spodoptera sp., Helicoverpa sp., Aphid, Jassid & White fly of tomato	Dr. N. L. Meena	2019-20 to 2020-21	UPL Limited	4.00
58.	“Bio-efficacy evaluation of “ULALA (Flonicamid 50% WG) on soybean”	Dr. B. K. Patidar	2019-20 to 2020-21	UPL Limited	4.00
59.	Bio-efficacy, Phyto-toxicity & effect on natural enemies of GPI 418 on Soybean	Dr. B. K. Patidar	2020-21 to 2021-22	UPL Limited	4.00

60.	Bio-efficacy, Phyto-toxicity & effect on natural enemies of GPI 418- Sugarcane	Dr. N.L.Meena	2020-21 to 2021-22	UPL Limited	4.00
61.	Bio-efficacy, Phyto-toxicity & effect on natural enemies of GPI 818- Sugarcane	Dr. H.P. Meghwal	2020-21 to 2021-22	UPL Limited	4.00
Total					233.80

6.6.2.9 National Ranking (ICAR / MHRD)

An evaluation performance of ranking of agricultural universities of the county was conducted by ICAR, New Delhi and the Agriculture University, Kota stand the following ranking position during the assessment period (last five year).

S. No.	Year	ICAR Rank
2	2017	49
3	2018	39
4	2019	23
5	2020	52

First and second position in ICAR- SRF Examination under floriculture and landscaping and second position in horticulture- vegetable science – from ICAR during-2017.

6.6.3 Research Support

Agriculture University, Kota has very strong research base. In-fact due to the existence of big research stations and seed farms in the region, the university was established. There are five research & seed production centres having total 682.30 ha land and adequate staff. Through 14 AICRP centres, 7 voluntary centres and around 80 other agency projects, the university have developed 16 new varieties, evaluated & recommended another 28 varieties and developed 87 technologies. Agriculture University, Kota is known of production of high quality breeder seed in large quantity and supply through out the country.

6.6.3.1. Research Council:

A. The Research Council of the university consists of the following,

(i)	The Vice-Chancellor	Ex-officio Chairman
(ii)	The Directors of Agriculture/Horticulture/Fisheries Department of the State Government and Chief Conservator of Forests, Rajasthan (depending upon research mandate and programmes of university)	Member
(iii)	All Directors of the University	Member
(iv)	All Deans of Faculties	Member
(v)	All Zonal Directors of Research and Extension	Member
(vi)	All University Heads of Department	Member
(vii)	Two Scientists of eminence from outside of the university to be nominated for particular meeting by Vice-Chancellor for their specialized knowledge of the subjects on agenda of the meetings	Member
(viii)	Co-opted members from different sectors of agriculture and allied fields (not more than four)	Member
(ix)	The Director Research	Secretary

B. Research Council meetings held during last five years (2016-17 to 2020-21)

S.No.	Meeting of Research council	Date
1	1 st meeting	18.07.2016
2	2 nd meeting	07.08.2018
3	3 rd meeting	15.01.2020



The Zonal Research & Extension Advisory Committee of the university consists of following

(i)	Zonal Director Research, ARS, Kota	Chairman
(ii)	Joint Director Agri. (Ext.), Kota Division	Co-Chairman
(iii)	Project Director CAD (ATC), Nanta & Digod	Member
(iv)	Project Director CAD (Ext.)	Member
(v)	Deputy Director ATC Bundi	Member
(vi)	Deputy Director ATC, Progeny Orchard	Member
(vii)	All Head of Departments	Member
(viii)	All Dy. Director (Ag.)/ Asstt. Director Agri. (Ext.)	Member
(ix)	All Senior Scientist & Head of KVKs, AU, Kota	Member
(x)	All O/Is of Research & Seed Production Units, AU, Kota	Member
(xi)	All AICRPs & Non Plan Scientists of ARS/ARSS, AU, Kota	Member
(xii)	Regional Manager, RSCC /NSC, Kota	Member

Zonal Research and Extension Advisory Committee (ZREAC) Meetings

S.No.	ZREAC Meetings	Dates
1	Rabi 2016-17	28-29.09.2016
2	Kharif 2017	15-16.03.2017
3	Rabi 2017-18	19-20.09.2017
4	Kharif 2018	21-22.03.2018
5	Rabi 2018-19	11-12.09.2018
6	Kharif 2019	07-08.03.2019
7	Rabi 2019-20	19-20.03.2019
8	Kharif 2020	20-21.05.2020
9	Rabi 2020-21	17-18.09.2020



6.6.3.2. Directorate of Research:

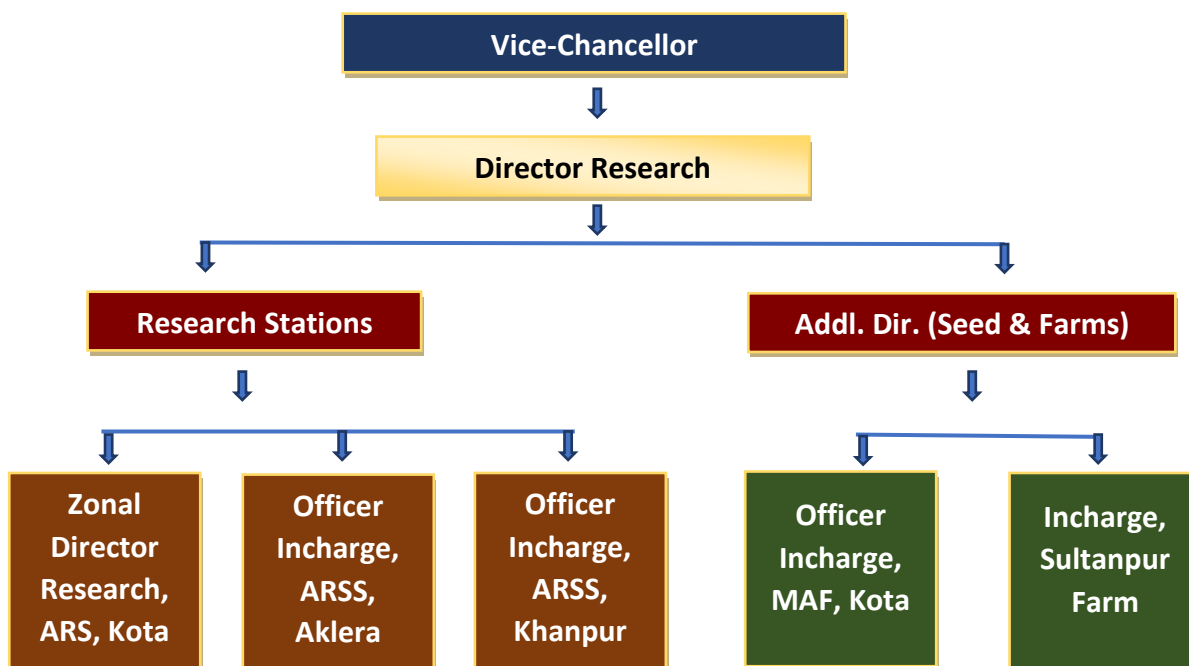
The Directorate of Research, Agriculture University, Kota was established in 2013. Directorate supervises and coordinates different research units viz., one Agricultural Research Station at Ummedganj, Kota, two Agricultural Research Sub Stations at Aklera (Jhalawar) and Khanpur (Jhalawar), one Mechanized Agriculture Farm at Ummedganj, Kota and one Seed Farm at Sultanpur, Kota.

Mandate of the Directorate of Research

- To plan, coordinate and monitor the need-based research in agriculture and allied sciences.
- To develop appropriate technologies for sustainable agriculture in the region and state.

- To coordinate and monitor the seed production programme.
- To develop linkages with national and international organizations for research.
- To strengthen the research capabilities of Research Stations.
- To extend consultancy and expertise for the stakeholders.

Organizational setup of Research Directorate



Total staff under Research

Posts	Sanctioned	Filled	Vacant
Scientist	58	33	25
Technical	51	36	15
Ministerial	25	06	19
Supporting	37	30	07
Total	171	105	66

Scientific staff at different research units

Station	Director Research	Zonal Director	Professor	Assoc. Prof.	Asstt. Prof.	Total
Directorate of Research	1	-	-	1	1	3
ARS, Kota	-	1	2	10	34	47
ARSS, Aklera	-	-	-	-	3	3
ARSS, Khanpur	-	-	-	-	3	3
MAF, Kota	-	-	-	-	2	2
Total	1	1	2	11	43	58

Technical staff at different research units

Station	Technical	Ministerial	Class IV	Total
Directorate of Research	1	2	1	4
ARS, Kota	34	17	18	69
ARSS, Aklera	3	2	3	8
ARSS, Khanpur	2	0	2	4
MAF, Kota	11	4	13	28
Total	51	25	37	113

Research coordination mechanism

The Directorate of Research is responsible to cater the research needs of South-Eastern and Eastern parts of Rajasthan comprised of six districts which fall under two agro-climatic zones, Zone – V (Humid South Eastern Plain) and zone III b (Flood Prone Eastern Plain). Various research programmes are being carried out at research stations and sub-stations specifically to develop improved varieties, economically viable production and protection technologies for crops including horticulture and seed production etc.

Process of Identifying Research Problems and their Prioritization

The Zonal Research and Extension Advisory Committee (ZREAC) is an important body in the Agro-climate zone to delineate the research problems, research planning and extension activities for the zone. The ZREAC is also responsible for preparing annual recommendations for each zone. Annual research programs are formulated crop-wise and season-wise by scientists from each zone and are finalized in the ZREAC meetings held during each *kharif* and *rabi* season. The ZREAC is represented by officials of the State Department of Agriculture, Scientists from all units, Head of Departments and two progressive farmers from the zone. Seasonal research results are reviewed by the ZREAC and used as a basis for development of new research priorities for each season, including adaptive trials to be conducted at each Adaptive Trial Center (ATC). The ZREAC also makes recommendations for crop production practices to be used at the farm level. The officials of Departments of Agriculture bring the problems identified/ raised by the them during the ZREAC meeting. The problems are either solved by the specialist of the respective departments or need based programmes are formulated and assigned to concerned scientists working in the field.

Funding Sources

Agricultural Research in AU Kota is funded from a variety of sources. The All India Coordinated Research Projects (AICRP) are long term projects financed on basis of 75:25 ratio from ICAR and State Government, respectively. AU Kota received additional funds in various amount from National Government agencies including ICAR, RKVY, MIDH, IMD, and the agencies of State Government.

Funds from other agencies and private sector organizations are also available for different projects submitted by the scientists to initiate need-based research in the university.

Research & Seed Production Centers

Agriculture University, Kota has five different research stations and sub-stations. The activities of each station are defined and accordingly the resources have been distributed.

Lead and Verification Functions of Research Stations

Research Station	Area (ha)	Lead functions	Verification functions
Zone V			
ARS, Kota	80.50	Soybean, Paddy, Pigeonpea, Blackgram, lentil, wheat (durum) and Barley, chickpea, mustard, linseed, potato, sugarcane, water and soil management, micronutrient research	Wheat (<i>aestivum</i>), coriander, Maize, Seed Spices, Arid legumes, organic and natural farming
ARSS, Aklera	43.29	Dryland agriculture & Seed Production	Sorghum, pigeonpea, blackgram, soybean, wheat chickpea, coriander, mustard, seed Spices
ARSS, Khanpur	52.00	Seed Production	Sorghum, maize, pigeonpea, blackgram, soybean, wheat, chickpea, coriander, mustard, seed Spices
MAF, Kota	485.00	Seed Production	
Sultanpur farm, Kota	21.50	Seed Production	

A. Agricultural Research Station, Ummedganj, Kota

Initially Agricultural Research Station was named as Regional Research Station, which was under the control of Government of Rajasthan since 1964. Later on, this Regional Research Station was transferred from Rajasthan State Seed Corporation to the University in the year 1977 and renamed as Agricultural Research Station, Kota. Agricultural Research Station, Ummedganj, Kota is situated in agro-climatic Zone V “Humid South Eastern



Plain” which falls in south eastern part of Rajasthan which covers geographical area of 2.7 million ha. The zone is located between 23⁰45’ and 26⁰33’ North latitudes and 75⁰27’ and 77⁰26’ East longitudes. The area under cultivation in the zone is 1.8 million ha, out of which approximately 26% is irrigated and remaining is under rainfed and dryland conditions. It includes all tehsils of Kota, Bundi, Baran, Jhalawar districts and two tehsils namely Khandar

and Sawai Madhopur of Sawai Madhopur district. Major soils are Vertisols, Alfisols and Inceptisols besides rock out crops in 10.6 per cent area.

It is a main research farm of the university with 80.5 ha land. The soils of the farm are clay loam to clay in texture and black to blackish brown in colour. The Motipura branch of right main canal of Chambal is the main source of irrigation in the farm. In addition, the farm has round the year assured irrigation facility catered by tube wells. The farm is well equipped with modern farm machineries and is mainly used for experimental as well as seed production purpose. The research station has library, computer room, Phytosanitary Laboratory, Soil & Water Testing Laboratory, Conference hall, Guest House, Central Laboratory, Plant Health Clinic, besides laboratories of different disciplines. Presently there are twelve All India Coordinated Research Projects and 5 Voluntary Centres (including GKMS) along with State Non-Plan scheme is running at ARS, Kota.

Live units and Laboratories at ARS, Kota

Organic and Natural Farming Model Unit Under MPKSP :

Organic and Natural Farming Model Unit was established under Maharshi Parashar Krishi Sodh Peeth (MPKSP) at Agricultural Research Station, Kota since 2018. Different formulations on natural farming, liquid manure and bio pesticides *i.e.* Jeevamrit, Beejamrit, Ganjeevamrit, Vermiwash, Neem extract, Butter milk, Bramastra, Neemastra and Aganistra are being prepared and used in ongoing field experiments on development of organic and natural farming modules for major field crops of *Hadoti* region.



Apiary : Honey bee colonies are being maintained for demonstration, training programmes, honey production, pollination and other experiments related to the honey bees.



Goatary Unit : This unit was established under livestock component of RKVY project “Development of Organic Integrated Farming System Model (0.4 ha) for marginal farmers to enhance livelihood security”. This is consisting Sirohi breed goats (09 female + 01 male).



Dairy Unit : This dairy unit (01 cow with calf of Gir breed + 01 Buffalo with calf of Murrah breed) is also established under RKVY Project “Development of Organic Integrated Farming System Model (0.4 ha) for marginal farmers to enhance livelihood security”.



Phytosanitary Laboratory : Phytosanitary Laboratory is a unique model laboratory in the state established to facilitate analyses of agro-commodities for issuing phytosanitary certificates. It is well equipped with sophisticated instruments like HPLC with GPC, Gas Chromatographer with MS, PC controlled–UV Spectrophotometer,



Digital X-ray Scanner, Real Time PCR and Stereomicroscope & Compound Research Microscope, etc. This lab is established in the year 2007-08 with financial support of NHM and RKVY.

The lab is being constantly utilized for the examination of export samples as per Standard Operating Procedure (SOP) for phytosanitary diagnostic test for the issue of Phytosanitary Certificate. During the last five years, this lab has diagnosed 738 samples of different agricultural commodities including seeds of different crops etc. received from Government office and other agencies. The lab is also functioning on pesticide residue analysis on soil, plants, grains/fruits. A total of 10 different sponsored projects on pesticide residue analysis were completed on vegetables, soybean, groundnut & urdbean and other crops, soil, straw and grains.

Soil & Water Analysis Lab: A soil testing laboratory at ARS, Kota is functioning for analyses of soil, water and plant samples of field experiments and farmers samples. The lab is well equipped with advanced modern instruments like Atomic Absorption Spectrophotometer, Nitrogen Analyzer, Ion Analyzer, UV-VIS Spectrophotometer and flame Photometer etc. During the reporting period, a total of 14394 soil & water samples of research station as well as farmers field were received and analyzed for 10 different parameters. A total of 25935 soil health cards were issued to the farmers.



Plant Health Clinic : This clinic is developed for diagnosis of plant samples and provide advisories to the farmers. It is equipped with advanced instruments like growth chamber, microscope, BOD incubator, seed germinator, poral pH and EC meter etc. This clinic diagnose samples received from the farmers in the filed crops as well as horticulture crops and provide time to time suitable advise to the farmers.



Gramin Krishi Mausam Seva (GKMS) Under Agro-Meteorology: A Gramin Krishi Mausam Seva (Agromet) scheme is running at Agricultural Research Station, Ummedganj, Kota. Under the scheme, the Agromet forecasts are prepared and disseminated to the farmers. The mode of mass communication is through local daily newspaper, Akaswani and mkisan portal. The mkisan portal sends the SMS to farmers and total number of SMS benefitted farmers of the Zone are 3,13,293. The SMS facility is supported by IMD, Pune.



B. Mechanized Agriculture Farm, Kota

This farm has a gross area of 485 ha. This is the biggest farm of the University, mainly used for production of breeder as well as other categories of seed. The farm is also well equipped with all modern



farm machineries especially Laser land leveller, JCB, Combine harvester and Backhoe loader etc. There are adequate irrigation facilities including canal, farm pond and tube wells.

This Unit is located at Ummedganj near the campus of ARS, Kota. The mandate of this unit is to produce quality Breeder and truthful lab seed (TFL) of major *Kharif* (Soybean, Paddy, Maize, Sesamum, Urdbean), *Rabi* (Wheat, chickpea, mustard, coriander, fenugreek, pea, lentil, linseed) and *Zaid* (mungbean) crops. The breeder seed is produced as per the indent received from Department of Agriculture and Cooperation (DAC), New Delhi. The AICRP on NSP & BSP is in operation at MAF

Seed Processing Plants : At MAF, Kota fully mechanized seed processing plant having a capacity of 2 tons/hr is in operation for cleaning, grading and packaging of seed. Another seed processing plant specially for soybean is also being setup.



Seed Storage Godowns : There are five seed storage godowns of various capacities at MAF. In all about 10,000 q of seeds can be stored at a time. A modern AC/dehumidified seed storage godown has also been constructed specially for soybean seeds.

C. Agricultural Research Sub Station, Aklera

This station is situated on Jaipur to Jabalpur National Highway (NH-12) and 6 km away from Aklera town towards Jhalawar. The research farm has a gross area of 43.29 ha, out of which 40 ha is under cultivation and about 2 ha in office buildings and residential quarters. This station was handed over to the University on 01.04.1976 from State Government. The mandate of the station is to undertake research in rainfed ecology and seed production of crops for increasing production and productivity in the dry land areas. The station has all required modern implements for cultivation. The farm is used for development of technologies for rainfed agriculture and seed multiplication.



D. Agricultural Research Sub Station, Khanpur

This farm is situated on Baran to Jhalawar Mega State Highway and 45 km away from Baran. The farm has a gross area of 52 ha, out of which 47 ha is under cultivation. The farm has all the basic and modern facilities. The farm was handed over to the University in June, 2006 from State Government. The farm has 5 electrified tube wells interlinked with underground pipelines for irrigation.



E. Sultanpur Farm, Kota

The farm is situated on Kota-Itawa (Mega State Highway). The farm has a gross area of 21.5 ha, out of which 18 ha is under cultivation and about 3.5 ha in office, other buildings, channels, bunds and threshing floor etc. The farm was handed over to the University for 5 years on lease basis in August, 2018 by the State Government. This farm is mainly producing Breeder & T/L seed of major crops during *kharif* and *rabi* season.



Contribution in Research & Academic Programmes

In the university, the scientists are involved in all the three research, teaching and extension activities. The primary job of the scientists is to do the activity where they are posted. However, it is mandatory for every scientist to involve themselves for approximately one third of the time in activity other than their primary duties. Research scientists have also coordinated with teaching work of undergraduate and postgraduate studies and have also been engaged in guiding PG and Ph.D. research in the University. Some of the scientists are also involved in extension activities.

The research which is carried out for two or more years and found significance as technology developed for the farmers or other stakeholders, then it is presented in ZREAC meeting and after approval it is tested at Adaptive Trial Centres of the respective zone and thereafter it is recommended to the farmers for adoption.

Scientists of the University have made special efforts to develop short duration, high yielding varieties that are suitable for irrigated as well as rainfed farming system. It is a matter of pride that works of our AICRP-IFS and AICRP-MULLaRP centers have been recognized as the Best Centers at national level. The technologies developed by scientists mainly relates to technology for irrigated and rainfed farming systems, resource conservation technology, INM, IPM, IDM and organic farming. University is also doing well in production of quality seed, especially, breeder seed to improve SRR in different crops. University is also engaging in development of technology for water management.

Research projects being operated**All India Coordinated / Network Research Projects running under AU, Kota**

S. No.	Name of Project	Year of start	Location	Name of PI
Regular Centres				
1.	AICRP on Rice	1975	ARS, Kota	Dr. Manoj Kumar
2.	AICRP on Soybean	1994	ARS, Kota	Dr.D.S. Meena
3.	AICRP on MULLaRP	2005	ARS, Kota	Dr.Khajjan Singh
4.	AICRP on Chickpea	2004	ARS, Kota	Dr.Preeti Verma
5.	AICRP on Pigeonpea	2009	ARS, Kota	Dr. S.C. Sharma
6.	AICRP on Sugarcane	1993	ARS, Kota	Dr. N.R. Koli
7.	AICRP on Rapeseed & Mustard	2015	ARS, Kota	Dr. B.S. Meena
8.	AICRP on Potato	1987	ARS, Kota	Dr. B.L. Nagar
9.	AICRP on Linseed	1987	ARS, Kota	Dr. Sandhya
10.	AICRP on Irrigation Water Management	1987	ARS, Kota	Dr.Baldev Ram
11.	AICRP on Integrated Farming System	2000	ARS, Kota	Dr. J.P. Tatarwal
12.	AICRP on Honey bees & Pollinators	2014	ARS, Kota	Dr. H.P. Meghwal
13.	AICRP on NSP to BSP	2000	MAF, Kota	Sh. R.K. Mahawar
14.	AICRP on Arid Zone Fruits	2010	CH&F, Jhalawar	Sh. N.K. Meena
Voluntary centres				
1.	AICRP on Spices	2008	ARS, Kota	Dr.Preeti Verma
2.	AICRP on Maize	2016	ARS, Kota	Dr. P.K.P. Meena
3.	AICRP on Wheat & Barley	1983	ARS, Kota	Dr. N.R. Koli
4.	AINP on Arid legumes	2014	ARS, Kota	Dr.Khajjan Singh
5.	AICRP on Dryland Agriculture	2016	ARSS, Aklera	Sh. Pradeep Kumar
6.	AINP on Onion & Garlic	2009	CH&F, Jhalawar	Dr. I. B. Maurya
7.	Mission for Integrated Development of Horticulture	2013	ARS, Kota	Dr.Preeti Verma

Adhoc Research Projects

S. No.	Title	Principle Investigator	Duration	Sponsoring Agency	Amount (Rs. in lakhs)
1.	Development of fertigation schedules for vegetables under pressurized irrigation	Er. I. N. Mathur	2015-16 to 2017-18	ATMA, Kota	10.35
2.	Enhancing breeder seed production for increasing indigenous production of pulses in India	Dr. S. S. Punia	2016-17 to 2018-19	NFSM, GOR	180.00

3.	Isolation of efficient plant type mutants with durable resistance to MYMV in urdbean	Dr. S. S. Punia	2017-18 to 2019-20	BRNS, BARC, Mumbai	26.99
4.	Evaluating impact of Neonicotinoids on pollinator's	Dr. H. P. Meghwal	2018-19 to 2019-20	ICAR-AICRP on Honeybee	30.62
5.	Strengthening of seed infrastructure facilities at soybean breeder seed production centers	Dr. Pratap Singh & Dr. J.M. Dhakad	2018-19	ICAR-IISS, Mau	85.16
6.	Oilseed seed hub (Soybean)	Dr. N. L. Meena	2018-19 to 2019-20	ICAR-IISR, Indore	150.00
7.	Oilseed seed hub (Mustard)	Dr. Mahendra Singh	2018-19 to 2019-20	ICAR-DRMR, Bharatpur	150.00
8.	Pulse Seed hub (3 KVKs)	Sr. Sci. & Head, KVK, Kota /Bundi /Jhalawar	2017-18 to 2019-20	ICAR-IIPR, Kanpur	450.00
Total					1083.12

RKVY Projects

S. No.	Year	No of projects sanctioned	No. of projects in operation	Total Amount (Rs. in lakhs)
1.	2016-17	15	15	499.97
2.	2017-18	04	19	655.53
3.	2018-19	01	20	478.36
4.	2019-20	-	06	513.00
5.	2020-21	-	02	445.00
	Total			2591.86

Annexure XVII

Private Sponsored Projects

S. No.	Year	No of projects sanctioned	No. of projects in operation	Total Amount (Rs. in lakhs)
1.	2016-17	15	15	43.62
2.	2017-18	04	19	38.55
3.	2018-19	30	34	127.07
4.	2019-20	09	33	32.25
5.	2020-21	-	31	60.98
	Total			302.47

Annexure XVIII

6.6.3.3 Technology Development and its Adoption

A. New Varieties Developed

A total of 16 improved varieties of different crops were released/identified/notified during last five years. These include Kota Soya 1 (RKS 113) of Soybean; Mukundra Urd 2, Kota Urd 3 & Kota Urd 4 of Blackgram/Urdbean; Kota Masoor 1, Kota Masoor 2, Kota Masoor 3 & Kota Masoor 4 of Lentil; Kota Rajmash 1 of Rajmash, Kota Matar 1 of Fieldpea; Kota Desi Chana 1, Kota Kabuli Chana 1 & Kota Kabuli Chana 2 of Chickpea and Kota Barani Alsi 5, Kota Barani Alsi 6 & Kota Alsi 6 of Linseed, which are suitable for climatic conditions of South-Eastern Rajasthan and various other parts of the country.

Name of the crop	Variety developed	
Soybean	Kota Soya-1,	
Urdbean	Mukundra Urd-2	
Lentil	Kota Masoor-1, Kota Masoor-2	
Rajmash	Kota Rajmash-1	
Urdbean	Kota Urd-3	
Lentil	Kota Masoor-3	
Field pea	Kota Matar-1	
Chickpea	Kota Deshi Chana-1, Kota Kabuli Chana-1	
Linseed	Kota Barani Alsi-5	
Lentil	Kota Masoor-4	
Urdbean	Kota Urd-4	
Chickpea	Kota Kabuli Chana-2	
Linseed	Kota Barani Alsi-6, Kota Alsi-6	


Annexure XIX



B. Varieties tested & Recommended during last five years


The experiments on varietal evaluation of different important crops of the region was conducted and following varieties were recommended during last five years.

Year	Name of the crop	Variety recommended
2016-17	Soybean	JS 20-34, JS 20-29
	Wheat	HI 8713
	Chickpea	GNG 958, CSJ 515
	Lentil	IPL 316, Kota Masoor-1
	Sugarcane	CoPb 09181
2017-18	Soybean	RKS 113
	Arhar	PAU 881
	Wheat	Raj 4238
	Mustard	DRMRIJ 31(Giriraj), NRCDR-2
	Lentil	Kota Masroor-2
2018-19	Rajmash	Kota Rajmash-1 (RKR 1033)
	Coriander	Pratap Raj Dhaniya-1 (RKD 18)
	Sugarcane	Co 0238 (Karan 4), Co 09022 (Karan 12)
	Sesame	RT 346, RT 351
2019-20	Coriander	RD 385 (Rajendra Dhaniya-1)
	Soybean	NRC 127
2020-21	Chickpea	GNG 2144 (Teej), RKG 13-515 (Kota Deshi Chana-1), RKGK 13-271 (Kota Kabuli Chana-1)
	Lentil	RKL 605-03 (Kota Masoor-3)
	Field Pea	Kota Matar-1 (KPF-101)
	Linseed	Kota Barani Alsi-5



Pratap Raj Dhania-1

RKD 18



Co 0238 (Karan 4)

Annexure XX



HI 8713



GNG 1958



RT 351



RKGK 13-271

C. Technologies developed

During the assessment period, Agriculture University scientists have developed 60 crop production and protection technologies and 27 horticultural technologies for Humid South Eastern Plain Zone (V) and Flood Prone Eastern Plain Zone (IIIb) of Rajasthan.

Year	Name of the crop	No. of Technologies developed
2016-17	Rice, soybean, cauliflower, wheat, potato, lentil, fieldpea, sugarcane, mustard, coriander, chilli, graphs, guava	18

2017-18	Urdbean, moongbean, soybean, rice, okra, honeybee, wheat, field pea, sugarcane, IFS, coriander, potato, tomato, chilli	17
2018-19	Soybean, rice, urdbean, moongbean, arhar, chickpea, lentil, garlic, honeybee, ryegrass, potato, tomato, onion, orange, papaya	24
2019-20	Soybean, urdbean, pigeonpeas, maize, rice, crop residue management, chickpea, lentil, field pea, water management (turmeric, klongi, wheat, clusterbean, chickpea), sugarcane, IFS, garlic, onion, citrus,	21
2020-21	Moongbean, calocasia, mustard, intercropping, wheat, ryegrass, tomato, fenugreek, corander, pomogranate	11

Annexure XXI

D. FLDs conducted during last five years for technology application

Frontline demonstrations are conducted on the latest technologies to validate proven technologies on farmers' fields. During reporting period, Agriculture Research Station, Kota conducted total 735 FLDs in 422 ha area on different crops including soybean, urdbean, mungbean, arhar, mustard, chickpea, wheat, linseed and potato. Under Operational Research programme and TSP, 319 demonstrations were also conducted in 31.9 ha area on water management techniques in soybean, paddy and wheat crops.

Front Line Demonstrations conducted

Year	Crop	Variety / Technology	No. of Demon.	Area of Demon.	Per cent increase in yield over FP	Net profit due to FLDs (Rs./ha)
2016-17	Soybean	JS 95-60	20	8	16.78	2815
	Urdbean	KPU 524-65	20	20	27.0-34.0	8750-13500
	Paddy	SRI in Pusa Basmati-1	6	0.60	26.87	15565
	Arhar	ICPL 88039	05	05	37.4	15381
	Mustard	Giriraj, NRCHB 101	40	20	21.91	10592
	Linseed	Pratap Alsi-1 & 2 Kota Barani Alsi 3 & 4	15	6	14.5-14.9	7220-8726
	Chickpea	PC 1, GNG 1958 & GNG 1581	10	10	23.0	10462
	Wheat	DBW-110	8	3.2	12.90	4500
2017-18	Soybean	JS 95-60	20	8	13.28	3133
	Urdbean	KPU 524-65	20	20	26.0-30.0	9572-12327
	Paddy	SRI in Pusa Basmati-1	12	1.20	30.26	17277
	Arhar	ICPL 88039, Pau 881	10	10	30.6	11497
	Lentil	IPL-316	05	05	25.84	11760
	Mustard	Giriraj, NRCHB 101	40	20	23.62	13460
	Linseed	Pratap Alsi-1 & 2 Kota Barani Alsi 3 & 4	37	14.8	14.3-14.9	7170-7950
	Chickpea	GNG 1958 & GNG 1581	12	12	21.21	11735
2018-19	Soybean	RKS45 & RKS 113	20	8	13.6	4628
	Urdbean	KPU 524-65	20	20	26.20	9780
	Paddy	SRI in Pusa Sugandha 4	12	1.20	23.76	17840
	Mustard	Giriraj, NRCHB 101	40	20	22.78	14348
	Lentil	Kota masoor-1	05	05	22.19	7059
	Linseed	Pratap Alsi-1 & 2 Kota Barani Alsi 3 & 4	30	12	14.3-17.0	6800-7900
	Chickpea	GNG-1958	10	10	19.16	10696
	Wheat	DBW-110 & Raj 4238	18	7.2	6.8-12.2	7144

2019 -20	Soybean	RKS 113	30	12	14.0	2530
	Urdbean	Pratap urd 1	41	20	28.63	6092
	Paddy	SRI in Pusa Sugandha 5	12	1.20	10.94	10833
	Arhar	PAU 291	10	10	21.8	8800
	Mustard	Giriraj	30	15	16.19	10642
	Linseed	Pratap Alsi-2 Kota Barani Alsi 3 & 4	10	04	13.87-14.62	6535-7810
	Lentil	Kota masoor 2	25	25	27.8-30.9	-
	Chickpea	GNG-1958	10	10	18.62	13969
	Mungbean (Zaid)	IPM 02-03	10	05	24.91	10963
	Wheat	Raj 4238	18	7.2	13.65	4206
	Potato	KufriBahar	32	13	7.75	15070
2020 -21	Soybean	RKS 113& JS 20-34	30	12	15.6-19.9	4282
	Urdbean	Pratap urd 1	84	45	25.7-29.0	7747-8291



E. Seed production programme

Agriculture University, Kota is known for production of high quality breeder seeds in large quantity and supply to various centres throughout the country. It is the lead university for the production of breeder seeds for soybean, urdbean, wheat and other crops

High Quality Seed Produced during last five years (q)

Year	Breeder seed	Other seed	Total
2015-16	4870	4440	9310
2016-17	8412	5973	14385
2017-18	8803	4866	13669
2018-19	8515	5293	13808
2019-20	6947	7278	14225
Total	37547	27850	65397

Seed Produced (q) during Kharif 2015-16 to 2019-20

Crop	2015-16		2016-17		2017-18		2018-19		2019-20	
	BS	Others*	BS	Others*	BS	Others*	BS	Others*	BS	Others*
Soybean	363.55	37.80	447.07	227.84	1631.11	4.00	1402.74	37.50	1275.30	254.07
Paddy	32.40	375.80	1.00	856.70	-	771.25	12.15	686.00	-	645.95
Mungbean	30.63	-	57.11	12.34	50.91	3.00	25.10	-	14.64	4.70
Urdbean	16.67	-	143.40	65.50	369.13	15.04	241.34	15.12	29.10	40.75
Maize	-	9.16	-	-	-	-	-	-	-	-
Sesame	-	9.72	-	0.60	-	6.80	-	-	-	3.00

Arhar	-	-	34.53	6.27	110.50	10.00	42.72	-	2.48	-
Dhaincha	-	-	-	31.80	-	4.20	-	11.00	-	5.75
Bhindi	-	-	-	3.00	-	-	-	-	-	27.00
Cowpea	-	-	-	-	-	4.40	-	-	-	-
Guar	-	-	-	-	-	21.00	-	0.44	-	8.00
Total	443.25	432.48	683.11	1204.05	2161.65	839.69	1724.05	750.06	1321.52	989.22

* Others include FS/CS/TL Seed

Crop wise Seed Produced (q) during Rabi 2015-16 to 2019-20

Crop	2015-16		2016-17		2017-18		2018-19		2019-20	
	BS	Others*	BS	Others*	BS	Others*	BS	Others*	BS	Others*
Wheat	3611.06	2836.83	5584.55	2674.04	4948.75	1985.16	4005.00	3771.10	4018.90	3993.34
Barley	-	52.50	-	42.28	-	3.00	-	12.20	-	88.10
Gram	804.00	154.82	1834.15	465.62	1385.31	746.27	1490.38	1125.40	1369.93	591.40
Mustard	-	353.10	7.04	913.00	27.50	974.79	15.25	1096.73	11.49	1170.60
Coriander	6.10	312.14	191.91	241.72	43.75	211.49	72.60	247.40	-	185.81
Fenugreek	5.00	142.95	8.77	154.29	12.65	9.20	25.84	104.45	-	72.03
Pea	10.50	-	63.50	-	40.35	18.20	53.47	-	88.30	-
Lentil	-	5.50	14.50	-	51.53	-	90.98	-	128.70	-
Linseed	-	31.50	23.70	12.39	26.10	17.09	38.28	11.91	7.28	-
Garlic	-	100.00	-	248.60	-	50.00	-	69.60	-	108.00
Ajwain	-	3.00	-	-	-	-	-	-	-	-
Oat	-	4.00	-	5.70	-	-	-	8.00	-	6.20
Berseem	-	1.50	-	3.25	-	2.30	-	-	-	-
Quinoa	-	-	-	7.17	-	2.30	-	2.90	-	1.00
Taramira	-	-	-	-	-	4.63	-	1.00	-	6.00
Chiya	-	-	-	-	-	-	-	0.70	-	0.50
Nigela	-	-	-	-	-	-	-	-	-	2.50
Onion	-	-	-	-	-	-	-	-	-	4.00
Chandrashool	-	-	-	1.68	-	-	-	2.30	-	-
Total	4436.66	3997.84	7728.12	4769.74	6535.94	4024.43	5791.80	6453.69	5624.60	6229.48

* Others include FS/CS/TL Seed

Breeder Seed Produced (q) against the Indent during last five years (2015-16 to 2019-20)

Crop	2015-16		2016-17		2017-18		2018-19		2019-20	
	Indent	Production	Indent	Production	Indent	Production	Indent	Production	Indent	Production
Wheat	841	3611	1775	5584	1266	4948.7	1124	4005.0	470	4018.90
Gram	458	804	660	1834	750	1385.3	482	1490.3	1130	1369.93
Soybean	870	363.5	1000	447.0	1350	1631.1	1470	1402.7	1235	1275.30
Linseed	-	-	3.12	23.70	6.96	26.10	11.4	38.28	11.2	7.28
Coriander	-	6.10	-	191.9	-	43.75	-	72.60	-	-
Fenugreek	-	5.00	-	8.77	-	12.65	-	25.84	-	-
Mustard	-	-	-	7.04	-	27.50	-	15.25	-	11.49
Field Pea	20.0	10.50	45.0	63.50	50.0	40.35	25.0	53.47	50.0	88.30
Paddy	1.00	32.40	0.50	1.00	0.01	-	0.10	12.15	0.10	-
Mungbean	45.0	30.63	115.0	57.11	88.0	50.91	55.0	25.10	42.0	14.64
Urdbean	10.0	16.67	56.50	143.4	60.0	369.1	66.0	241.3	58.0	29.10
Pigeon Pea	-	-	25.00	34.53	40.0	110.5	40.0	42.72	5.00	2.48
Lentil	-	-	10.00	14.50	40.0	51.53	36.0	90.98	76.0	128.7
G. Total	2245	4879	3690	8410	3650	8697	3310	7515	3077	6946

Nucleus Seed Produced (q) against the Indent during last five years (2015-16 to 2019-20)

Crop	2015-16		2016-17		2017-18		2018-19		2019-20	
	Indent	Production	Indent	Production	Indent	Production	Indent	Production	Indent	Production
Wheat	12.40	198.98	73.50	223.37	52.50	196.45	31.00	215.78	-	114.40
Gram	-	20.30	-	36.95	-	54.00	-	41.30	-	-

Mustard	-	0.00	-	0.00	-	0.35	-	-	-	-
Coriander	-	0.40	-	1.00	-	0.55	-	0.70	-	-
Fenugreek	-	0.30	-	0.40	-	0.40	-	0.30	-	-
Soybean		17.30	-	37.60	-	48.00	-	26.00	-	26.85
Paddy	-	0.90	-	0.30	-	1.00	-	0.00	-	-
Mung/ Urd	0.73	2.50	1.90	11.20	2.27	13.30	4.25	9.60	2.72	0.60
Pigeon pea	-	0.00	-	1.00	-	2.00	-	0.00	-	-
G. Total	13.13	240.68	75.40	311.82	54.77	316.05	35.25	293.68	2.72	141.85

List of crops & varieties of breeder seed produced:

Crops	Varieties
Wheat	Raj 1482, Raj 3077, Raj 3765, Raj 4037, Raj 4083, Raj 4120, Raj 4238, Raj 4079, GW 273, GW 173, GW 496, GW 366, GW 322, Lok-1, HW 2004, Sujata, HI 1500, HI 8498, HI 1544, HI 8713, HI 8737, HI 8759, PBW 343, PBW 502, C 306, DBW 110, WH 147, WH 711, WH 1124, WH 1140, WH 1142, HD 2932, HD 2987, HD 3086
Gram	JG 14, GNG 469, GNG 1581, GNG 1958, Pratap C-1, CSJ 515, RSG 974, RVG 201, RVG 203, GNG 2171, GNG 2144
Linseed	Kota Barani Alsi-4, Kota Barani Alsi-3, Pratap Alsi-2, Pratap Alsi-1
Lentil	IPL-316, Kota Masoor-1, Kota Masoor-2, Kota Masoor-3
Field Pea	Prakash, Vikas, Aman, IPFD 10-12, RFP-4, IPFD 11-5, IPFD 12-2
Mustard	Giriraj, NRCHB 101, NRCDR 2
Coriander	RKD 18, RCr 436, RCr 435, RCr 728
Fenugreek	RMt-305
Soybean	JS 335, JS 20-34, JS 20-29, JS 95-60, JS 93-05, RKS 24, RKS 45, RKS 113
Paddy	Pratap-1, Imp. PB-1, Pusa Sugandh-4, Pusa Sugandh-5, Pusa-1509
Mungbean	IPM 02-03, IPM 02-14, Virat, Shikha, RMG 975, MSJ 118
Urdbean	Pratap Urd-1, Mukundra Urd-2, Pant Urd-31
Arhar	ICPL 88039, PA-291, PA-16

6.6.3.4 Research Publications

Total 286 research papers have been published by the scientist of the university in various aspects such as crop production & protection, nutrition, water and weed management, protected cultivation, plant propagation, crop improvement, etc. in national and international journals during the assessment period.

Research Papers published during last 5 years

Year	No of publication (NAAS rating > 5)	No of publication (NAAS rating < 5)
2016	09	27
2017	64	26
2018	42	16
2019	39	08
2020	47	08
Total	201	85

Annexure XXII

6.6.3.5 Innovation and Best Practices


The ongoing research developmental activities of the University is mainly carried out by the scientists working at different Agricultural Research Stations under various research projects and their research programmes are finalized in the annual/biannual/seasonal review meetings/workshops under chairmanship of Deputy Director General (Crops) and or Project Coordinators of respective ICAR projects. Whereas, the research programmes of the zones based on feedback problems are finalized under chairmanship of Director Research. Presently, 14 All India Coordinated Research Projects and 7 volunteer research projects (including GKMS) funded by ICAR on different crops/themes are being undertaken for crop improvement and to develop production and protection technologies for harnessing higher productivity for the University jurisdiction area. Similarly, other short/long term projects like 20 Rashtriya Krishi Vikas Yojana projects, 8 adhoc projects and 58 corporate sector funded projects are being undertaken to develop need based basic infrastructure and production technologies as per need of the area.



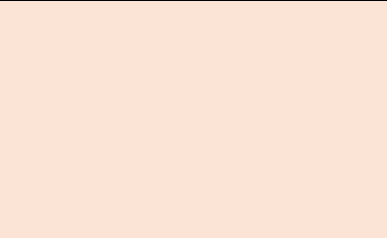




To cater the demand of quality seed at national and state level, a separate Mechanized Agriculture Farm (MAF) including seed unit (NSP) has been working in the University to fulfil the breeder seed indent received from DAC, GOI of different crops. Additionally, truthfully label seed/certified seeds have been produced to cater the need of local farmers of different agro-climatic zones by concerned research stations/KVKs/seed farms under the direction of the Associate Director Seed & Farms and supervision of the concerned crop breeder. The research scientists are also engaged with teaching of undergraduate and post graduate studies programme and guiding of students pursuing masters as well as doctoral degree programme in the University.







During the period of 2016 to 2020, Agriculture University scientists have developed 87 production and protection technologies for Humid South Eastern Plain Zone (V) and Flood Prone Eastern Plain Zone (IIIb) of Rajasthan. These developed production and protection technologies recommended for adoption by the farmers for improving production as well as profitability.

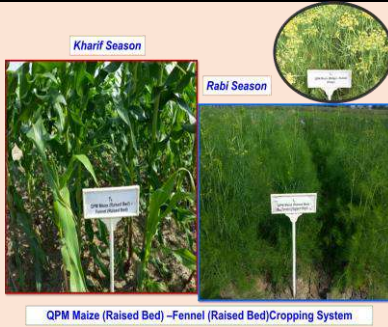





The research component of the University is actively involved in innovative research projects of regional, national and international importance. The major innovations developed by the University in terms of crop varieties (mention in recommended varieties section), improved agro-techniques including production and protection are as discussed below:






Innovative Improved Agro-technologies

<p>Optimum sowing time for direct seeded rice</p>	<p>Standardized optimum time of sowing 20-30th June for direct seeded rice varieties Pusa Sugandha 4 and Pusa Sugandha 5 recorded higher yield of rice.</p>	
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<p>Nitrogen application schedule in paddy</p>	<p>3 splits application of nitrogen 120 kg/ha (1/3rd N at 10-12 days after emergence, 1/3rd N at tillering stage and 1/3rd N at panicle initiation stage) was found good practice for obtaining higher yield of direct seeded basmati rice.</p>	
<p>Weed management in soybean</p>	<p>New molecule of herbicide propaquizafop 2.5 % + imazethapyr 3.75 ME (Ready mix) @ 2.0 l/ha at 20-25 days after sowing (POE) was found effective for control of grassy and broad leaved weeds and produce higher yield of soybean.</p>	
<p>Drip fertigation in cauliflower</p>	<p>25 % nitrogen & potash and 100 % phosphorus fertilizer (150:80:80 kg NPK/ha) as basal and 75 % nitrogen & potash through drip fertigation after 15, 30, 45, 60 & 75 days after transplanting of cauliflower and harvest maximum curd yield of cauliflower.</p>	
<p>Weed management in wheat</p>	<p>Post emergence application of clodinfop propargyl 15% + metsulfuron methyl 1% (readymix) @ 52 g ai/ha dissolve in 500 litre water sprayed at 30-35 DAS (after first irrigation) effectively controlled grassy as well as broad leaved weeds and produces higher grain yield of wheat.</p>	
<p>Weed management in urdbean and mungbean</p>	<p>Application of sodium aciflorfen 16.5% + clodinafop propargyl 8% EC (ready mix) @ 187.5 g a.i./ha (commercial dose 750 ml/ha) at 15-20 DAS as postemergence was found effective for controlling grassy and broad leaved weeds in urdbean.</p>	
<p>Tuber cracking management in potato</p>	<p>Foliar spray of 0.1 % boric acid at 40 days after planting (DAP) minimizes tuber cracking in potato.</p>	
<p>Low cost technology for lentil and fieldpea</p>	<p>Low cost technology of seed treatment with 1.0 g ammonium molybdate/kg seed & seed inoculation each 600 g/ha with <i>rhizobium</i> culture + PSB (<i>Bacillus polymixa</i>) + PGPR (RB 2) produces higher grain yield of lentil and fieldpea.</p>	

<p>Honeybees and other pollinators beneficial for open pollinated crops</p>	<p>Honeybees and other pollinators were found beneficial for enhancing seed yield of mustard, fennel and radish.</p>	
<p>Nutrient management in soybean</p>	<p>Foliar spray of water soluble fertilizer NPK (19:19:19) @ 5 g/l water at 45 and 60 DAS obtained higher seed yield of soybean.</p>	 <p>NPK 19:19:19 @ 5 g/l water</p>
<p>Pressurized irrigation in rice</p>	<p>Sprinkler irrigations (5-6 at 125% PE) in rice at an interval of 8-9 days under puddled condition was found beneficial for water saving.</p>	
<p>Sulphur fumigation for Vax moth control</p>	<p>Sulphur fumigation @ 5 g/comb effectively managed Vax moth (<i>Galleria mellonella</i>) up to 90 day after fumigation for obtains higher honey production.</p>	 <p>Sulphur fumigation 5 g/comb</p>
<p>Terminal heat stress management in wheat</p>	<p>In wheat crop, terminal heat stress managed by two foliar spray of thiosalicylic acid 100 ppm (first at boot leaf stage 75-80 DAS and second at late milk stage 96-100 DAS) which gavet maximum grain yield and water use efficiency.</p>	
<p>Lowcost technology for sugarcane</p>	<p>Low cost technology of cane setts soaked in 100 ppm ethrel solution overnight before planting and three foliar spray of GA₃ 35 ppm at 90, 120 & 150 day after planting was found effective for highermillable cane, cane yield, commercial cane sugar yield and net return.</p>	

<p>Intensified cropping system modules for small and marginal farmers</p>	<p>Marginal and small farmers diversification and intensification cropping system modules i.e. QPM (raised bed)-fennel (raised bed) or Soybean (short duration) + red gram (2:1 row)-oat (green fodder)-summer mungbean or Sweet corn-fieldpea-onion (transplanting) were found more remunerative as compared to predominant soybean-wheat cropping system.</p>	 <p>Kharif Season Rabi Season QPM Maize (Raised Bed) - Fennel (Raised Bed) Cropping System</p>
<p>Nutrient management in urdbean and mungbean</p>	<p>Foliar spray of water soluble fertilizer NPK (18:18:18) @ 0.5 % at flower initiation obtained higher grain yield of urdbean and mungbean.</p>	
<p>Drip fertigation schedule for garlic</p>	<p>Developed water soluble fertilizer fertigation schedule for higher garlic production.</p>	
<p>Sprinkler irrigation schedule for zaidmungbean</p>	<p>Developed sprinkler irrigation schedule at IW/CPE ratio of 1.2 (8-10 days interval) along with foliar spray of 100 ppm thiosalicylic acid at flowering stage for higher zaidmungbean productivity.</p>	
<p>Weed management in maize</p>	<p>Application of topramezone 33.6 % SC @ 25.2 g a.i./ha (commercial dose 75 ml/ha) or tembotrione 42 % SC @ 120.75 g a.i./ha (commercial dose 287.50 ml/ha) at 15-20 DAS as post emergence was found effective for controlling grassy and broad leaved weeds in maize.</p>	
<p>Wheat residue management in soybean-wheat cropping system</p>	<p>In wheat-soybean cropping system, for wheat residue management just after combine harvesting irrigate the field and apply 25 kg urea/ha & 2.0 kg cellulolytic bacteria by mixing in well rotten 50 kg FYM/ha spread in the field and turnover the wheat residues.</p>	 <p>Wheat residue incorporation + irrigation and application of urea @25 kg/ha + Cellulolytic microbes @2.0 kg/ha</p>
<p>Biofortification in chickpea</p>	<p>Foliar spray of 0.5 % ZnSO₄ + 0.1 % FeSO₄ at pre flowering and pod formation stage was found beneficial for higher yield and monetary return of chickpea.</p>	

<p>Aonla orchard intensification with turmeric</p>	<p>Intensification of aonla orchard with turmeric on broad bed furrow (2 rows on 75 cm) developed drip fertigation schedule (at 80 % CPE every 3rd day) and fertigation of 120 kg nitrogen/ha through urea in 22 splits obtains higher tuber yield and net return.</p>	
<p>Sprinkler irrigation schedule for zero tillage wheat</p>	<p>For zero tillage wheat, developed sprinkler irrigation schedule (IW/CPE ratio of 0.8 at 20-25 days interval) and seed hardening with CaCl₂ (2%/kg seed) followed by foliar spray of KCl (0.2 %) at booting stage recorded higher grain yield and net return.</p>	
<p>Diversified cropping system modules for augmenting income and nutritional security of small and marginal farmers</p>	<p>Augmenting income and nutritional security of small and marginal farmers diversified cropping system module i.e. Urdbean (Broad Bed) + Direct seeded rice (Furrow) – Vegetable pea (Broad Bed) + Coriander leafy (Furrow) - Spring mungbean and Soybean (short duration)- Mustard-Cowpea (green pods + fodder) cropping systems recorded higher soybean equivalent yield and net returns over existing soybean - wheat cropping system.</p>	
<p>Ryegrass agro-techniques</p>	<p>Standardized optimum sowing of rye grass between 25th October to 5th November and application of nitrogen @ 150 kg/ha obtains higher green fodder, dry fodder, net return and B:C ratio.</p>	
<p>Stem gall disease management in coriander</p>	<p>Stem gall disease of coriander effectively controlled by seed treatment with hexaconazole 5 EC or propiconazole 25 EC @ 2.0 ml/kg seed and three foliar spray of hexaconazole 5 EC or propiconazole 25 EC @ 2.0 ml/litre water at 45, 60 & 75 days after sowing.</p>	

6.6.3.6 IPR Cell

The Agriculture University, Kota is also committed to mainstreaming the University with the new Intellectual Property Regime. University is committed to follow the course of action of Intellectual Property Rights in the field of Research, Education and Extension in the area of agriculture and allied sectors. Mainly University is engaged in the agricultural research on the development of new crop varieties. All the varieties which are being developed by the

University are being registered in Protection of Plant Varieties and Farmers Rights Authority and completely follow the course of action of PPV&FRA Act. The University is also planning to create a new outfit as IPR Unit so that the intellectual properties generated at the University are properly registered, maintained and where ever necessary they are commercialized.

Scientists participated in trainings, symposium, workshop, orientation programme and webinar, etc organised by SAUs & ICAR on IPR related issues.

6.6.3.7 Central Instrumentation Unit

A Central Instrumentation Laboratory equipped with sophisticated instruments and set-ups is in operation. Besides, analyses of samples from industry, farms, research farm, colleges, the lab. is also utilized for research works of graduate & postgraduate students under various Departments of College of Agriculture, Kota.

Name of the laboratory	Space (Area)	Specialty instruments
Central Instrumentation Laboratory	1250 ft	UV -Visible Spectrophotometer, HPLC, GC (Trace Ultra GC), GC-MS, Cryo mixture mill, ICP

Facilities available in Lab:-



6.6.3.8 Global Support Collaboration with other Institutes

Does the university maintain functional expert in a range of administrative areas to provide technical and guidance in the areas of exchange programme visa related issues, international MOUs and collaborative research etc.?

No, however, the following collaborations were made with other institutes of the country.

- A collaborative research project entitled “Isolation of efficient plant type mutants with durable resistance to MYMV in urdbean” for the development of sympodial branching plant type and mungbean yellow mosaic virus resistant varieties through gamma radiation, financial and technical support with Board of Research in Nuclear Sciences (BRNS), Bhabha Atomic Research Centre (BARC), Trombay, Mumbai during 2017-18 to 2019-20.
- University has a collaborative research work partnering with ICRISAT, Hyderabad sharing the international nursery material of desi and kabuli chickpea for the development multiple disease resistance and mechanical harvesting varieties during

2015-16 to 2020-21. The ICRISAT share every year 40-60 genotypes for the evaluation and further breeding with trait specific crosses like mechanical harvesting and multiple disease resistant donors.

- Similarly, University has a collaborative research work partnering with ICARDA, Lebanon sharing the chickpea International *Fusarium* Wilt Nursery, International Cold Tolerance Nursery and International Drought Tolerance Nursery materials of kabuli chickpea for the development multiple disease resistance and cold and drought tolerance varieties during 2014-15 to 2019-20. The ICARDA shares every year 36-72 genotypes for the evaluation and further breeding with trait specific crosses like *Fusarium* wilt, cold and drought tolerance donors.
- In wheat crop, University has a collaborative research work partnering with ICAR-Indian Institute of Wheat & Barley Research, Karnal for sharing the wheat nursery materials of National & International durum yield, semi-arid & high temperature yield nursery for the development of high yielding varieties for rainfed condition, restricted irrigation and assured irrigation condition during 2015-16 to 2020-21.
- A MoU is there with ICAR-Indian Institute of Soil and Water Conservation Regional Centre, Kota on collaborative academic and research, exchange of scientific knowledge and organization obligation from 30.11.2016 onwards.
- A MoU has also been signed with Maharaja Pratap University of Agriculture & Technology, Udaipur, Sri Karna Narendra Agriculture University, Jobner, Information and Library Network (INFLIBNET), Gandhinagar, University of Kota, Kota and others.

6.6.4 Extension Support

Universities are large repositories of knowledge, manpower and physical resources. They have an obligation to cater to the overall and diverse learning needs of the segments of the neighboring people and communities. If the University system has to discharge its social obligations and duties adequately; it must embrace extension as the third important dimension and give it the same status as teaching and research. Extension caters to the community and overall and diverse learning needs of all the segments of the people of the community while generating new knowledge simultaneously.

This chapter portrays the different facets and accomplishments of extension education system of the Agriculture University, Kota.

6.6.4.1 Extension Education Council:

The present composition of the Extension Education Council (EEC) is as under:

Vice Chancellor	Chairman
Principal Secretary Agriculture, Government of Rajasthan, Jaipur	Member
Commissioner Agriculture, Government of Rajasthan, Jaipur	Member
Director Horticulture, Government of Rajasthan, Jaipur	Member
Chief Conservator Forest, Government of Rajasthan, Jaipur	Member
Two Eminent Persons in the field of Extension Education	Members
All Directors of University	Members
All Deans of Colleges	Members
All Heads of Departments/ Zonal Directors	Members
All Senior Scientists & Heads of KVK	Members
Three Progressive farmers	Members
Chief Executive Officer, Jila Parishad, Kota.	Member
General Manager, Tilam Sangh, Kota.	Member
Executive Engineer, RMC-I, CAD Kota	Member
Regional Manager, IFFCO, Kota	Member
Area Manager, NSC Kota	Member
Director, Directorate of Extension Education, AU Kota	Member Secretary

The Extension Education Council is responsible to consider and recommend the Director, Extension Education on all matters pertaining to all the Extension services.

EEC meetings held in last five years:

Date	Name of the Chairman	Name of Secretary	No. of Participants
18.07.2016	Prof. G.L. Keshwa	Dr. I.N. Gupta	22
26.07.2018	Prof. G.L. Keshwa	Dr. K.M. Gautam	27
27.01.2020	Prof. D.C. Joshi	Dr. K.M. Gautam	34



Extension Education Council Meetings held on 26.07.2018 and 27.01.2020

6.6.4.2 Directorate of Extension Education:

The Directorate of Extension Education (DEE) was established on 23rd October, 2013 soon after establishment of the Agriculture University, Kota on 14th September, 2013. The jurisdiction area of DEE, AUK is spread over 6 districts out of 33 districts of the state, namely Kota, Baran, Bundi, Jhalawar, Karauli and Sawaimadhopur falling in two agro-climatic zones, zone III B and zone V. The Directorate is entrusted with the responsibility of promoting agriculture development in the service area through quick transfer of technology by providing trainings, advisories and farm information to extension functionaries as well as farmers. It plays a key role in dissemination and transfer of latest technologies in the field of crop production, crop protection, nutrient management, cropping systems, horticulture development, wasteland management, water management, farm mechanization, post harvest management and value addition, etc. through on-farm testing, front line demonstrations and skill development trainings. Being the nodal agency of the University, the Directorate provides guidelines, mentor, and monitor and evaluate the extension programmes of KVKs functioning under the University. The directorate has a dedicated team of multi-disciplinary scientists who work in participatory mode with teachers, scientists, and officers of the line Departments of Agriculture, Animal husbandry, Horticulture, Forestry, Co-operatives, and NGOs for development of farming society with following broad objectives:

- Capacity building of extension functionaries,
- Skill development of farmers, farm women and unemployed rural youth,
- Assessment and refinement of latest agri- techniques for their wider adoption,
- Providing farm information through print, electronic and social media.

Agriculture Technology Management and Quality Improvement Centre (ATMQIC):

The centre is functioning at the University headquarter on the principle of ‘Single Window Delivery System’ to meet the requirement of farmers with respect to latest technologies, seed and planting material, diagnostic facilities, literature and training through incorporation of ICT. The ATMQIC is equipped with hi- tech training hall with video conferencing facilities, *Kisan* Call centre with ICT enabled educational kit and ICT lab to fulfil above purpose. The work is in progress to establish an ‘Educational Museum’ for displaying farmer’s centric information.



Krishi Vigyan Kendra

Krishi Vigyan Kendras are nodal agency of the University for assessing the technological needs of the district, revalidation of the technology for its adoption through systematically planned activities such as OFTs, front line demonstrations, on and off campus trainings etc. to all the stake holders, vocational trainings to farm women and rural youths, and entrepreneurship development. KVKs also work towards reducing the time lag between generation of new technology at research institutes and its application at farmer’s field for increasing production, productivity and net income on sustainable basis. Out of the 42 KVKs functioning in the state of Rajasthan, six KVKs are being operated under the administrative control of Agriculture University, Kota.



Vision Science and technology-led growth leading to enhanced productivity, profitability and sustainability of agriculture

Mission Farmer-centric growth in agriculture and allied sectors through application of appropriate technologies in specific agro-ecosystem perspective

Mandate Technology assessment and demonstration for its application and capacity development

Activities: To achieve the mandates effectively, following activities are envisaged by KVKs

- On-farm testing to assess the location specificity of agricultural technologies under various farming systems.
- Organize Frontline Demonstrations to establish production potential of the technologies on the farmers’ fields.
- Capacity development of farmers and extension personnel to update their knowledge and skills on modern agricultural technologies.

- To work as knowledge and resource centre of agricultural technologies for supporting initiatives of public, private and voluntary sector in improving the agricultural economy of the district.
- Provide farm advisories using ICT and other media means on varied subjects of interest of farmers

These KVKs are spread in two agro-climatic zones (Zone III B and Zone V) of the state. The details are as under:

Agro-climatic Zone- Wise location of KVKs under Agriculture University, Kota

Agro-Climatic Zone	District	Location of KVKs	Year of establishment	Total area (ha)
Zone-V (South Eastern plain humid Zone)	Kota	Borkhera, Kota	1992	46.36
	Bundi	Siyopuriaki Bavri, Bundi	1992	37.12
	Baran	Anta	1994	15.04
	Jhalawar	Jhalawar	1993	22.00
Zone-III b (Flood Prone Eastern plains)	Karauli	Hindaun	2004	20.25
	S. Madhopur	Karmoda, S. Madhopur	1992	16.58
Total				157.35

Present Staff Strength:

Posts	DEE			KVK																		Total		
				Baran			Bundi			Jhalawar			Kota			Karauli			Sawai Madhopur					
	S	F	V	S	F	V	S	F	V	S	F	V	S	F	V	S	F	V	S	F	V	S	F	V
Director/ Professor	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
Sen. Sci. & Head/ Assoc. Prof.	1	-	1	1	0	1	1	0	1	1	0	1	1	1	0	1	1	0	1	0	1	7	2	5
Assistant Professor/ SMS	1	-	1	6	6	-	6	4	2	6	4	2	6	4	2	6	5	1	6	4	2	37	27	10
Technical Assistant	1	-	1	3	2	1	3	1	2	3	1	2	3	2	1	3	2	1	3	2	1	19	10	9
Ministerial Staff	1	1	-	2	1	1	2	-	2	2	1	1	2	-	2	2	-	2	2	1	1	13	4	9
Driver	1	1	-	2	-	2	2	-	2	2	1	1	2	2	-	2	-	2	2	1	1	13	5	8
Supporting Staff	1	1	-	2	2	-	2	2	-	2	1	1	2	1	1	2	1	1	2	2	-	13	10	3
Total	7	4	3	16	11	5	16	7	11	16	8	8	16	10	6	16	9	7	16	10	6	103	59	44

S=Sanctioned, F=Filled and V=Vacant

On and Off campus Extension Programme

A. Directorate of Extension Education

Technology Back Stopping: The Human Resource Development (HRD) could play a key role in the progress of agriculture. To update the knowledge and skills of KVK scientists, Directorate of Extension Education has conducted two Technology Backstopping training programmes in which 25 candidates participated in each programme.

Workshop on soft skills: A two days' workshop on "Soft Skill for personality Development" was organized by DEE in the collaboration with Extension Education Institute, Anand, Gujarat from 15.10.2019 to 16.10.2019 in which 40 officers of different units of the University took part.



Krishi Panchang Publication: With the incorporation of the information of university, packages of practices of various crops, fruits, vegetables, flowers and livestock, every year 'KrishiPanchang' is being published and disseminate among the farming community. In which, all the important practices written on the every month for helping the farmers/ farmwomen.

Abhinav Krishi Publication: For dissemination of various techniques from leading institutes of the country, a quarterly magazine 'Abhinav Krishi' is being published by Directorate of Extension Education, incorporating articles from scientists of the agricultural institutes.



Release of Krishi Panchang in EEC meeting



Quarterly Magazine *AbhinavKrishi*

B. Krishi Vigyan Kendras

Trainings for farmers and farm women: During the period 2016-17 to 2020-21, KVKs of AU Kota organized 1130 on campus and 1131 off campus trainings with the participation of 18864 and 32892 farmers and farm women, respectively. KVKs also conducted 338 sponsored trainings for the Departments of Agriculture, Horticulture, Watershed Development, ATMA, RMoL and RKVY with the participation of 10319 farmers and farm women.

Trainings conducted for farmers & farm women during 2016-17 to Nov., 2020

Type of training	2016-17		2017-18		2018-19		2019-20		April 2016 to Nov.2020		Total	
	No.	Part	No.	Part.	No.	Part	No	Part	No	Part	No.	Part
On campus	154	4318	661	5732	112	3402	114	3396	89	2016	1130	18864
Off campus	178	5377	230	6533	345	10455	249	6914	129	3613	1131	32892
Sponsored	96	2962	110	2920	39	1254	77	2634	16	549	338	10319
Field functionaries	15	551	12	315	13	251	17	410	6	200	63	1727
Rural youth (Vocational trg)	21	528	16	354	25	549	31	792	20	571	113	2794
ASCI	14	371	7	172	27	612	17	367	1	20	66	1542
ARYA	0	0	0	0	0	0	7	198	6	122	13	320
NICRA	0	0	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	3	110	18	643	21	753
TOTAL	478	14107	1036	16026	561	16523	515	14821	285	7734	2875	69211

Trainings for field functionaries: To update the knowledge of field functionaries, 63 need based training programs on field crops, INM, IPM, fruit crops, vegetable crops, protected cultivation, were organized by the KVKs with the participation of 1727 field functionaries.

Trainings for rural youth: Efforts were also made to organize vocational training courses for rural youths and school dropouts with the aim to generate employment opportunity for them. A total of 113 vocational trainings were conducted on different aspects such as nursery management, gardener, poly house repairing, mushroom cultivation, dairy & Poultry, vermi-compost, bee keeping, etc. during this period benefitting 2794 unemployed rural youths. Similarly, 66 skill development trainings were conducted under ASCI program benefitting 1542 participants.



Training on Low Tunnel Technique for vegetable production



Vocational Training on repair of poly house



21 Days “Bee Keeper” On Campus Training under ASCI



07 Days Training on “Nursery Management” under ARYA project

Frontline demonstration: Frontline Demonstration (FLD) is the concept of field demonstration evolved by the ICAR during mid-eighties. The FLDs are conducted at selected farmers’ field to popularize the latest proven technologies among all the farmers and field functionaries of the block. During the period from 2016-17 to November, 2020, the KVKs of the University conducted 18540 FLDs on a total of 6587.2 hectare land. Out of which, 6919 demonstrations were conducted in oilseeds covering an area of 3342.3 hectares, 5882 demonstrations were conducted in pulses covering an area of 2462.8 hectares, while remaining FLDs were conducted on cereals, seed spices, fodder crops, vegetables, fruits, mineral mixture etc.

Front Line Demonstrations conducted during 2016-17 to November, 2020

FLDs	2016-17		2017-18		2018-19		2019-20		April 2016 to Nov.2020		Total	
	Area (ha)	No. of demo	Area (ha)	No. of demo	Area (ha)	No. of demo	Area (ha)	No. of demo	Area (ha)	No. of demo	Area (ha)	No. of demo
Pulses	317.2	753	600	1332	807.6	1979	462	1145	276	673	2462.8	5882
oilseeds	432.2	1003	783.6	1813	886	1465	498.5	1198	742	1440	3342.3	6919
Cereals	166.2	409	309.4	789	300	675	191.4	415	152	307	1119	2595
Seed spices	62.8	194	87.6	322	55.9	143	34.7	74	15	100	256	833
Fodder crops	11	129	12.7	144	16.7	123	28.5	220	23.5	135	92.4	751

Vegetables	16	42	86	720	6	30	17	132	6	74	131	998
Fruits	2	6	5.2	36	19	50	10.4	47	12.15	103	48.75	242
any other specify	30	736	78.25	946	52.5	700	51	220	32	230	243.75	2832
TOTAL	888.6	2900	1682.75	5482	1743.7	4265	1133.5	3091	1138.65	2802	6587.2	18540

Major emphasis was given on introduction of improved varieties, IPM, INM, and IPDM. Superiority of improved technology over farmers' practice was successfully demonstrated through these FLDs.



Mustard



Urd bean



Chick pea



Organic farming

On Farm Trials: For location specific problem solving OFT on 130 technologies on different aspects of crop production and protection were conducted by KVKs. These trials were conducted in participatory mode on farmers' fields. The process gave opportunity to the scientists to work and interact with farming community and collect useful feedback for production purposes. The approach helped farmers to get convinced with the technological options assessed on farmers' fields.



Assessment of IPM technology to control hopper in paddy



Assessment of seed treatment with *Trichoderma viride* for management of *Alternaria* blight in Sesame

Supportive Extension Activities: With the aim of successful transfer of technology and fulfill the motto of ‘Reach the Unreached’ various supportive extension education activities were organized by the KVKs. During the period from 2016-17 to November, 2020, the KVKs organized 1035 farmer scientists interactions, 217 field days, 138 *kisan goshtis*, 40 kisan melas, 178 film shows, 19 animal health camps, 225 radio/ TV talks, 257 exhibitions, 99 exposure tours etc.

Supportive Extension Activities Organized by KVKs (2016-17 to November 2020)

Type of activity	2016-17		2017-18		2018-19		2019-20		April, 2016 to Nov., 2020		Total	
	No.	Part.	No.	Part.	No.	Part.	No.	Part.	No.	Part.	No.	Part.
Diagnostic services	69	445	98	784	121	728	183	3369	59	468	530	5794
Farmers visit to KVK	518	8422	281	9596	410	8837	298	9994	348	6237	1855	43086
Scientist visits to farmers field	285	3609	448	4120	440	3926	439	4084	324	2974	1936	18713
Farmer scientist interaction	185	1743	196	1866	204	1774	221	1932	229	1510	1035	8825
Field days	46	3348	54	4673	52	3699	38	2927	27	1799	217	16446
Kisan goshti	25	1660	22	1934	37	2436	37	3245	17	1163	138	10438
Kisan mela	8	12970	9	12980	1	1949	22	21561	0	0	40	49460
Film show	36	2987	35	5496	55	1909	31	1841	21	595	178	12828
Animal Heath camp	2	107	4	70	2	132	8	590	3	384	19	1283
Night Camp/ Night Gosthi	5	281	3	113	6	160	9	353	13	300	36	1207
Radio Talk/ TV Talk	56	490	59	576	38	669	34	728	38	923	225	3386
Telephone help line	85	10878	229	14891	71	10641	183	10784	1337	11138	1905	58332
Kisan Mobile services	3	600	4	925	4	1061	920	49119	912	24003	1843	75708
Press Release	286	0	250	0	312	0	316	0	201	0	1365	0
Exhibition	40	38542	46	93512	87	7624	76	31585	8	1980	257	173243

Educational Tour/Exp. Visit	22	661	22	760	23	742	23	382	9	196	99	2741
Soil & water analysis	664	915	915	1070	1037	1256	1197	1113	1028	988	4841	5342
Lecture delivered in other programme	678	37505	290	23201	600	18425	491	14651	225	7386	2284	101168
Ex-Training meeting	2	37	2	191	1	35	4	87	3	70	12	420
No. of Self help group	0	0	0	0	1	0	3	37	13	257	17	294
Women in Ag. Day / Mahila Diwas	12	981	20	3146	14	706	17	1475	10	400	73	6708
Total	3027	126181	2987	179904	3516	66709	4550	159857	4825	62771	18905	595422

Mobile advisory: All the KVKs have created number of *whatsapp* groups covering farmers, farm women, rural youths, startups etc. to provide diagnostic services and required advisories.



Exhibition



Film show



KisanMela



Field Day

Supportive Extension Education activities

Webinars: The Directorate and KVKs organized 10 webinars during lockdown period of Covid- 19 on food processing, soya processing, pulse production, management of guava orchard, mandarin orchard, nutri- garden and livelihood opportunities in Agriculture sector for migrant labourers.



Webinars conducted during Lockdown period

Seed Production Programmes: Each KVK has implemented the seed production program both in Rabi and Kharif season and produced quality seeds of soybean, wheat, chickpea, mustard, rice, coriander, etc. on their instructional farms.

Seed production at KVKs instructional farms during 2016-17 to November, 2020 (Production in quintals)

Crops	2016-17	2017-18	2018-19	2019-20	April, 2016 to Nov., 2020	Total
Pulses	732.48	1050.01	1432.71	622.99	274.55	4112.74
oilseeds	255.5	238.14	689.4	279.59	173.2	1635.83
Cereals	1178.05	1016.68	971.5	1135.61	965.15	5266.99
Seed spices	185.93	40.4	41.55	38	26.75	332.63
Fodder crops	13.65	10.65	12.3	15.95	0	52.55
Vegetables	0	0	0	0	3	3
Other	5.22	21.21	0	10.32	5.5	42.25
TOTAL	2370.83	2377.09	3147.46	2102.46	1448.15	11445.99

Production of quality planting materials: Each KVK has infrastructural facility such as nursery and mother blocks for producing quality planting material of fruits, vegetables, medicinal and ornamental plants.

Production of planting materials at KVK during 2016-17 to November, 2020
(Production in numbers)

Plant	2016-17	2017-18	2018-19	2019-20	April, 2016 to Nov., 2020	Total
Fruit Plants						
Guava	1635	942	1472	2713	1605	8367
Aonla	121	126	103	1132	2324	3806
Lemon/Citrus	9567	4951	7671	6945	1372	30506
Mango	155	156	145	178	781	1415
Papaya	23882	28973	31228	35471	49950	169504
Pomegranate	1197	1186	11740	4690	5781	24594
Others	1970	515	6461	776	3711	13433
Total	38527	36849	58820	51905	65524	251625
Vegetable's seedling						
Tomato	1000	1530	7200	40000	20791	70521
Chilli	2370	2580	32500	36000	49555	123005
Brinjal	2000	3130	31988	32000	18340	87458
Onion	0	0	0	15000	38000	53000
Others	0	5864	286	4400	60257	70807
Total	5370	13104	71974	127400	186943	404791
Medicinal Plants	2362	578	1365	2283	2005	8593
Ornamental Plants	4310	3789	3115	2711	3432	17357

Seed Hubs: ICAR has sanctioned three pulse seed hubs at KVK, Kota, Jhalawar and Bundi and one oilseed seed hub at KVK, Kota with a budget provision of 150 lakhs for each seed hub. Construction of seed grading and storage infrastructure has been completed well in time at above KVKs. A total of 4638 quintal seed of pulses and 1134 quintal seed of oilseeds have been produced through these seed hubs.



Seed production under pulses/oilseeds seed hub during 2016-17 to November, 2020
(Production in quintals)

Name of Crop	2016-17	2017-18	2018-19	2019-20	April, 2016 to Nov., 2020	Total
Green Gram	33	104	65	29	31	261
Black Gram	202	483	505	8	110	1308
Chickpea	269	1031	1486	186	-	2971
Lentil	-	28	28	41	-	97
Total (Pulses)	505	1645	2084	263	141	4638
Soybean	29	19	-	-	-	49
Mustard	13	-	498	575	-	1085
Total (Oilseed)	42	19	498	575	-	1134

Crop Cafeteria: This program has been implemented by KVKs to assess the suitability and showcase the new improved and hybrid varieties of Rabi and Kharif crops. The most appropriate varieties are identified for conducting OFTs and FLDs.



Model Demonstration Units: Different demonstration units have been created by KVKs to demonstrate the technology and generate the revenue, like vermi-compost, dairy, goat rearing, poultry, nursery, food processing and value addition unit, *trichoderma* production, azolla, etc.

<p>Food Processing Unit</p>	<p>Dairy Unit</p>	<p>Azolla Unit</p>

Extension Coordination Mechanism: All the extension based programs are being designed on need based assessment of the farmers, farm women, rural youth and field extension functionaries. The needs of different stakeholders are being assessed through participatory mode and based on the problems and availability of resources in the locality. Different programs and activities are being designed and implemented based on need assessment. The Directorate of Extension Education and KVKs coordinate with the line departments including Department of Agriculture, Horticulture, Animal Husbandry, Fisheries, Soil Conservation and Watershed Management, State Seed Corporation, Forest, Cooperatives, etc. along with ICAR research Institutes like ICAR- ATARI, CAZRI, CIAH, CSWRI, NRC on Seed Spices etc. The Heads of these departments and institutes are included as members in Extension Advisory Council at University level and in the Scientific Advisory Committee at KVK level. The scientists are also involved in district level bodies such as ATMA, PM FME scheme etc.

Every year **Scientific Advisory Committee (SAC)** meetings are conducted to assess the local needs and to recommend the action plan of each one of the KVKs.

General composition of the SAC

Vice Chancellor	Chairman
Director, ICAR- ATARI	Member
Director, Extension Education	Member
Director Research	Member
Zonal Director Research	Member
Officer Incharge of local ICAR institutes	Members
Officers of all the line department of the district	Members
Lead Bank Representative	Members
Representative of NABARD	Members
Representative of Seed & Fertilizer companies	Members
Representative of leading NGO of the district	Members
Progressive Farmers	Members
Representative of Akashwani Kendra	Member
Senior Scientist & Head of KVK	Member Secretary

Similarly, monthly meetings are also organized of all KVKs by Directorate of extension education to review the progress of extension programs being implemented at each KVK.

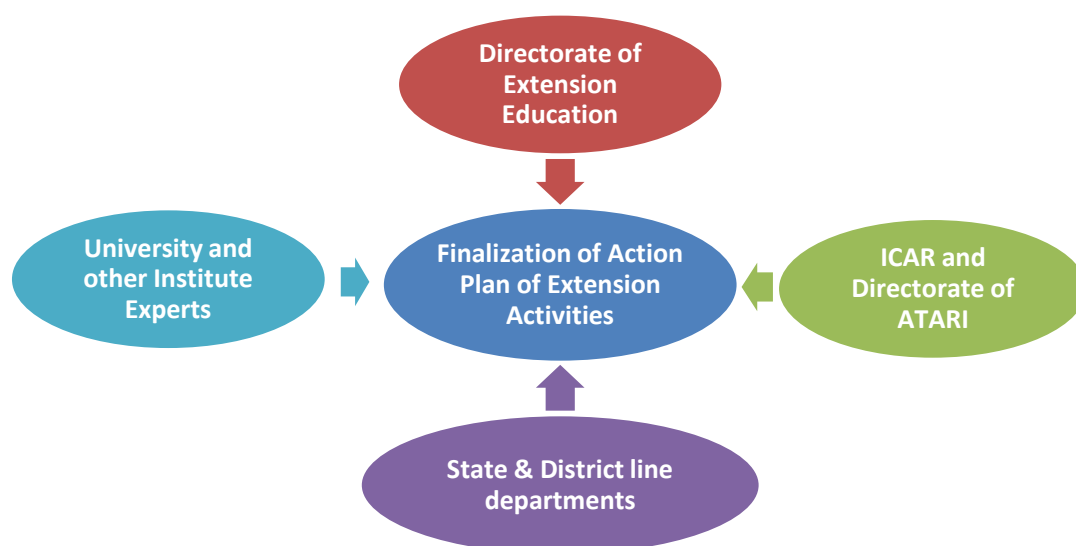
Technology dissemination system: Directorate of Extension Education is the apex body in the University system which in coordination with its KVKs located at district level is responsible for transfer of technology to the farmers, farm women, rural youths and extension functionaries. Different programs viz. On farm trials, FLDs, trainings, extension literature, mobile advisories, radio/ TV talks, farmers scientist interactions, kisan mela, kisan goshti, field days, Kisan call centres, etc are being used for effective dissemination of technologies.

Contribution in academic programs: The extension wing of the University is also contributing in academic programs. The scientists of directorate and KVKs are actively engaged in teaching UG/ PG courses as well as guiding PG students in the faculty of Agriculture/ Horticulture and Forestry running in the University. Apart from this, all the KVKs are actively involved in execution of RAWE/ Horticulture & Forestry work experience/ student READY programs of undergraduate students of different Agriculture Universities.

6.6.4.3 Extension Planning and Technological Impact: As discussed earlier, the KVK prepare and present annual action plan in Scientific Advisory Committee (SAC) meetings and after approval in the said meeting, the same plan is presented and discussed in Zonal Workshop conducted by ICAR- ATARI.

Planning levels

- Base line survey of the area
- Identification of problems and needs of the farmers.
- Identification of areas of excellence in each KVK
- Backstopping of KVK Scientists on specific areas
- Identification of high remunerative enterprises of the area
- Use of mass media for creation of awareness about point of impact.
- Development of database information system for technology, inputs, production system and market.



Implementation levels

- Strengthening the linkage between line departments to enhance the convergence
- Interface with input dealers and establishment of strong chain between input dealers and end users.
- Strengthening the infrastructure facilities for producing quality planting material.
- Capacity building of KVK scientists and farmers for knowledge and skill upgradation.
- Horizontal spread of the technologies through various extension activities
- Identification of strategies for reducing cost of production.
- Providing advice support for market and finance linkages.
- Making inventory of innovative farmers and their knowledge sharing.

Technological Impact Assessment:

Krishi Vigyan Kendras under the supervision of Directorate of Extension Education, AU, Kota are undertaking various extension activities in their respective districts keeping in view the thrust areas and objectives set forth. The main objectives of KVKs are to organize short and long duration training programs for farmers, farm women, rural youth and extension functionaries. KVKs also organize demonstrations and other extension activities such as field days, exhibitions etc. in adopted villages. Time to time impact of above said activities is assessed by the KVK scientists applying observation techniques, impact methodology and statistical tools.

- During last five years KVKs conducted FLD on mustard, soybean, green gram, black gram, gram, wheat, lentil, paddy and maize and reported an increase in yield by 11.68-.32.25%, 9.65-26.35%, 23.35-46.58%, 19.65-432-.25%, 16.25-33.65%, 8.69-25.25%, 12.36-19.56%, 13.25-29.35% and 15.26-29.69%, respectively, and also conducted front line demonstrations on tomato, okra and coriander resulting an increase in yield by 12.35- 18.10%, 22.35- 36.25% and 18.25-29.69%, respectively over existing farmers practices.
- Farmers were trained with the objective to over all development of their knowledge on scientific cultivation of major field crops, vegetables, fruits, dairy, goat rearing, poultry, use of Azolla in rice field and supplementary feed for dairy animal, vermi-composting, IPDM and INM which resulted in 25-30 % increase in their farm produce after getting training.
- A model food processing and value addition unit has been established at KVK Kota. During last five years 750 rural youth were trained in this project out of which 160 youths have started their own entrepreneurial unit in Soya paneer, Anola products, Garlic products, Pickles, Juices etc.

6.4.4.4 Implementation of National Initiatives

Green Initiative: All the KVKs of the University have adopted digital payment system to all the beneficiaries, farmers, goods and service suppliers of KVKs. The KVK, Kota was awarded at National level for being the first ‘Cashless’ KVK of the country. All the correspondence by Directorate and KVKs is being made through email.

District Agro-Metrological Units (DAMUs): District Agromet Units (DAMUs) have been sanctioned at five out of six KVKs of the University, namely – Baran, Karauli, Bundi, Jhalawar and SawaiMadhopur. These DAMUs release Block and Zone Level Agrometadvisory Bulletin (m kisan portal) on every Tuesday and Friday for Weather, General/ Crop specific and Animal husbandry advisories and also conduct various awareness programs.

Attracting and Retaining Youth in Agriculture (ARYA): This project aims to prevent the migration from rural area to urban and providing employment opportunity. Each KVK shall

train 200 rural youths below 35 years age for establishment of entrepreneurship. At present ARYA project is running at KVK, Jhalawar and Bundi. Both the KVKs have conducted 13 trainings of 7 days duration on identified areas such as nursery management, protected cultivation, vermi-compost, bee keeping, goat rearing, poultry and value addition benefitting more than 320 rural youths.

National Innovation on Climate Resilient Agriculture (NICRA): NICRA project was running at KVK, Kota.

Under this project KVK, Kota demonstrated various climate resilient agriculture technologies on natural resource management, crop production, livestock production and institutional interventions at village Chomakot since 2011. These are- Natural Resource Management Module (NRM),



FLD on FIRB planting in wheat, summer deep ploughing, Recharging of ground water through rain water harvesting system. Demonstrations were conducted on climate resilient techniques of crops (soybean, blackgram, mustard, chickpea, coriander, wheat, berseem and sorghum, zaid green gram, fruit plants guava & papaya etc.) in total 35.03 ha area at Chomakot village. Under livestock module health camps were organized in which 142 animals were administered deworming medicine and 115 animals were injected preventive vaccination. Demonstration on mineral mixture feeding were also conducted involving 78 dairy animals of 42 farmers, which showed 14.30 per cent increase in milk yield.

Custom hiring services of Agriculture implements was also started under NICRA project.

Pramparagat Krishi Vikas Yojna (PKVY): The Paramparagat Krishi Vikas Yojana (PKVY), launched in 2015, is an extended component of Soil Health Management (SHM) under the Centrally Sponsored Scheme (CSS), National Mission on Sustainable Agriculture (NMSA). PKVY aims at supporting and promoting organic farming, in turn resulting in improvement of soil health. The scheme promotes Participatory Guarantee System for India (PGS- India) form of organic certification that is built on mutual trust, locally relevant and mandates the involvement of producers and consumers in the process of certification. PGS – India operates outside the framework of “Third Party Certification”. Under this scheme, all KVKs of the University has conducted demonstrations on organic farming in 20 ha area covering 1-2 cluster in each district, all having financial outlay with a provision of Rs. 3.3 lakhs.

Garib Kalyan Rojgar Abhiyaan (GKRA):

Government of India launched Garib Kalyan Rojgar Abhiyaan (GKRA) on 20th June, 2020 in 116 districts covering states of UP, MP, Bihar, West Bengal, Odisha and Rajasthan. The scheme focuses on 25 different agriculture enterprises for benefitting migrant labourers during Covid- 19 pandemic period. This scheme has been sanctioned at KVK, Hindaun

गरीब कल्याण रोजगार अभियान के तहत व्यवसायिक मुर्गीपालन प्रशिक्षण संपन्न

खेत खजाना
कृषि विज्ञान केंद्र
करींकी द्वारा आयोजित पांचास
वर्षीय के आय जन्मेसुद्धा में
पास संकाय के पंचम कल्याण
केन्द्र अभियान के तहत तीन
दिवसीय व्यवसायिक मुर्गीपालन
प्रशिक्षण संपन्न हुआ।
कृषि विज्ञान केंद्र करींकी के
सहायक प्रमुख एवं कर्मचारी
गोदर अभियंता डॉ. वचु मिश्र
पंच के अध्यक्ष कि इस प्रशिक्षण
में जिले के 35 हजार प्रबन्धी
सहयोगी प्रशिक्षण दिवार
विषयक अंतर्गत उनको

मुर्गीपालन व्यवसाय के बारे
में अधिक जानकारी एवं सुझाव
करने के लिए मिल-मिल खाते
को दो प्रकार से का सकते हैं

एक सप्ताह में दो सप्ताह में
एक सप्ताह में दो सप्ताह में
एक सप्ताह में दो सप्ताह में

सह-आय यदि आप
मुर्गीपालन व्यवसाय को अपने
घर में शुरू करना चाहते हैं
तो आपको दोनो प्रकार से उप
सहायता दी जा सकती है।
कल्याण में सभी कृषकों को
सहयोग केन्द्र के तहत
सहायक डॉ. गोपालसिंह
शर्मा एवं सहायक के सी।
राधे कृष्णों का धन्यवाद
किया। इस मौके पर प्रशिक्षण
कृषक संगठन मध्य एवं केंद्रीय
प्रशासन भी मौजूद थे।

कृषि विज्ञान केंद्र पाठ्य सत्र
विशेष डॉ. का मिश्र द्वारा ने
कल्याण के बारे में जानकारी को
मुर्गीपालन के अलावा में कैसे प्रय
में से सकते हैं, के बारे में
जानकारी दी। केन्द्र के अध्यक्ष
श्रीशंकर डॉ. सुरेश कुमार ने
कृषकों को उद्योगिकी प्रवर्तनी के

कृषि ऋण

(Karauli). The KVK conducted 16 trainings of 3 days duration benefitting 560 migrant labourers on different aspects such as bee keeping, poultry, mushroom cultivation, goat rearing, dairy, nursery, food processing and value addition, vermi compost, nutri- garden, IFS, etc.

Pradhan Mantri Kisan Samman Nidhi: With a view to provide income support to all landholding farmers' families in the country, having cultivable land, the Central Government has implemented a Central Sector Scheme, namely, "Pradhan Mantri Kisan Samman Nidhi (PM-KISAN)" in February, 2019. The scheme aims to supplement the financial needs of all landholding farmers' families in procuring various inputs to ensure proper crop health and appropriate yields, commensurate with the anticipated farm income as well as for domestic needs. Under the Scheme an amount of Rs.6000/- per year is released by the Central Government online directly into the bank accounts of the eligible farmers under Direct Benefit Transfer mode, subject to certain exclusions. To create awareness among the farming community about the scheme and to get benefit to maximum farmer's families, each KVKs has organized 1 kisan mela and live telecast of launching program of scheme by Prime Minister.

Jal Shakti Abhiyan: First phase of Jal shakti Abhiyan was started on 1st July to 15th September 2019 in all KVKs, with the objective of water conservation, judicious use of irrigation water, rain water harvesting and its reuse and recycling. All the KVKs of the University conducted 3-4 Kisan melas/ Kisan goshties at village level and one Kisan mela at distric level with large gathering involving all stakeholders of farmers, political representatives, officers of line department and district administration.



Mera Gaon Mera Gaurav: The scheme was announced by the Prime Minister Sh. Narendra Modi on Independence day (15th August, 2015). The university has constituted a team of scientists comprising of different disciplines to provide technical guidance and backstopping in adopted villages of each KVK and University. Farm advisories, trainings, demonstrations, mobile advisories, diagnostic visits are conducted in collaboration with KVK scientists of the University.

Diploma in Agriculture Extension Services for input dealers (DAESI): DAESI program is spread over a period of 48 weeks, with 40 classroom sessions and 8 Field visits to various institutions and farmers' fields. The classroom sessions and field visits are conducted on Sundays or local market holidays. The field visits are intended to acquaint the input dealers with location-specific field problems and expose them to relevant technologies. They are trained to identify pests, diseases and nutritional disorders. Study material in local language is provided and multi-media instructional devices are used in the classrooms. These diploma

courses are running at KVK, Jhalawar and Sawaimadhopur. We have conducted 2 batches of the diploma course in these KVKs benefitting 80 dealers.

Doubling Farmer income: Each KVK has adopted two villages for implementing the DFI scheme, covering all enterprises of agriculture with new innovations and diversification to enhance the farmers' income and reduce cost of cultivation.

Pradhan Mantri Fasal Bima Yojana: was started in 2016 at national level. Each KVK has organized awareness campaign and Kisan Mela inviting M.P.s and MLAs.

Aspirational District Programme: The programme was launched by the Hon'ble PM in January, 2018 which aims to quickly and effectively transform the 115 districts in the country. Out of 5 districts identified in Rajasthan by NITI Aayog, two districts namely Baran and Karauli comes under AU, Kota jurisdiction. These two KVKs undertake the activities related to Agriculture, Animal Husbandry and Horticulture to up lift the livelihood of the farmers. The activities cover formation of SHGs, distribution of planting materials, establishment of NADEP compost pits, vaccination for FMD in cattles, artificial inseminations in animals, and improved implements. In addition to these, KVKs also demonstrated the improved technologies on cereals, pulses, oilseeds, seed spices, fodder crops, vegetables and fruit crops at farmer's field.

Tribal Sub Plan (TSP): Each KVK has adopted 2-3 villages dominated with tribal population for upliftment and livelihood security of the tribal population. Under the programme, KVKs imparted trainings, conducted demonstrations on field crops, vegetables, and establishment of orchards. Storage bins for safe storage of food grains, manger, chaff cutter, knap sack sprayers were also distributed among the beneficiaries.

6.6.4.5 Innovation and Best Practices:

Low cost garlic storage structure: In Baran district, the loss of garlic during storage in room is found to be 34.5% mainly due to rotting during storage. Under the RKVY funded 'Garlic Excellence Centre' project, a low cost thatched roof bamboo garlic storage structure costing only Rs.1.0 lakh was developed at the Krishi Vigyan Kendra, Anta, Baran. The structure made from the bamboo sticks with cemented floor measures 15' (w) X 30' (l) X 12' (h) in size with the capacity of storing 10 tonnes of garlic. The structure was inaugurated by the Minister of Agriculture, Government of Rajasthan. This storage structure has become one of the model units for the garlic growers in local area.



Direct Seeded Rice (DSR) Technology:

Paddy crop traditionally sown by puddling followed by transplanting which lead to high cost of cultivation and low water productivity. Direct sown paddy by tractor drawn seed drill resulting slightly low yield than transplanting practices but reduces cost of cultivation by avoiding nursery raising, puddling, transplanting and standing water in paddy crop resulting higher B C ratio under direct sown paddy (2.91) as compared to the recommended practice (2.28). Presently, 20-25 per cent area under paddy cultivation could be diverted to DSR technology in Bundi district.



Promotion of Farmers Producers' Organization (FPO):

KVK, Bundi promoted an FPO namely *Kurel Kisan Producer Company Ltd.*, village Jakhana with the financial support of NABARD, Bundi in the year 2016-17 with 350 members. Presently, FPO is having 805 members with shares of Rs. 1000/- each. FPO is working in the trade of fertilizer, seed, pesticides, animal feed, milk products, etc. with a turnover of Rs. 1.47 Crores. Moreover, the FPO was awarded by Hon'ble Chief Minister of state.



Food processing and value addition:

A model food processing and value addition unit has been established under RKVY at KVK Kota. During last five years 750 rural youth were trained in this project out of which 160 youths have started their own entrepreneurial unit in *Soya paneer, Anola* products, Garlic products, Pickles, Juices etc.

6.6.4.6 Consultancy / Certification/ Testing:

There is no provision for paid consultancy in University system; however the scientists of KVK offer free consultancy for different entrepreneurs for establishment of agri-based enterprises. The KVKs conduct long duration trainings to develop entrepreneurship among youth and input dealers, in which certificates are issued to successful participants. This certificate helps the participant to get financial support and credit facility from financial institutes and license for the trade of agri- inputs.

Location specific testing of improved technologies/ product of outside agencies as assigned by University is being conducted by respective KVKs at their instructional farms.

Publications by KVK Scientists:

KVK Scientist published 128 research papers in national and international journals, 4 books, 15 book chapters, 231 popular articles, 7 practical manuals, 76 technical/ extension bulletins and 114 folders during 2016-17 to November, 2020.

Awards and Recognitions:



KVK, Anta, Kota and Bundi were awarded with Pandit Deendayal Upadhyay Rashtriya Krishi Vigyan Protshahan Puraskar - Zone II in 2016, 2018 and 2019, respectively.



Sh. Hukum Chand Patidar, Village – Manpura, promoted by KVK, Jhalawar received *Padm Shri* award from Honble’ President of India on 16th March 2019 at New Delhi



Sh. Shobhag Mal Meena, promoted by KVK, Bundi obtained Dhanuka innovative agriculture award in the category of “save water and rain water harvesting” on 9th January 2020



Sh. Abney Hasan Rani Barod (Anta) received Jagjeevan Ram Abhinav Krishak Puruskar 2018 conferred by ICAR and received cash amount Rs. 0.50 lakh



KVK Jhalawar Honoured with innovative agriculture award conferred by Dhanuka Agritech Limited for institution north zone for save water and rainwater harvesting innovations on 9th January, 2020.

6.6.5 Faculty and Staff Development

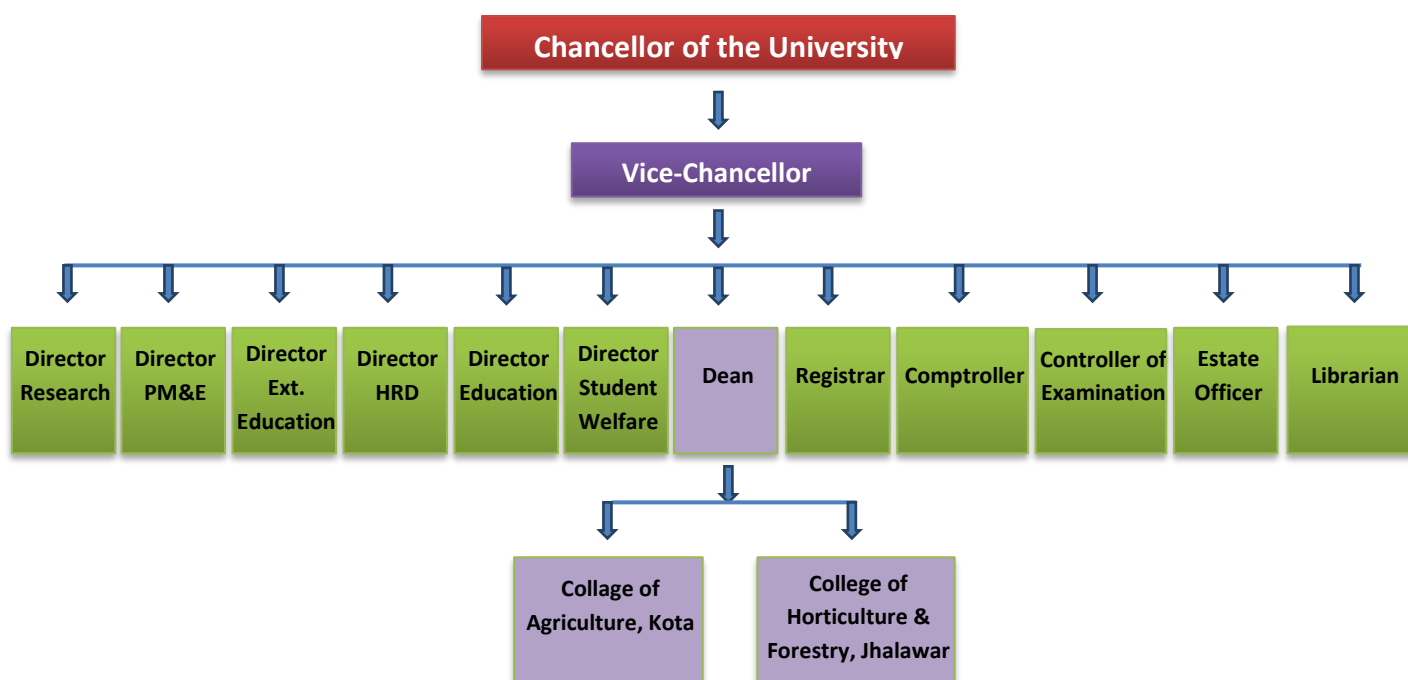
The University currently has total 504 sanctioned staff strength comprising of 14 Administrative, 203 Teaching, Research and Extension position and 287 Non-Teaching and supporting personnel. Presently there are 12 Administrative, 100 teaching staff and 168 non-teaching staffs are working in the University. In all, about 56% of the sanction positions are filled up.

Total staff strength of Agriculture University Kota

S. No.	Category	Sanctioned	Filled	Vacant*	% Filled
1.	Administrative	14	12	02	86
2.	Teaching	203	100	103	49
3.	Technical	92	60	32	65
4.	Ministerial & Supporting	195	108	87	55
Total		504	280	224	56

* Recruitment on vacant position is in progress

Working set-up of university:



6.6.5.1 Recruitment and Promotional Avenue

The staff positions in the University are filled up through both the direct recruitment as well as the promotions. Further, the position of the Registrar, Comptroller and Estate Officer are filled up through deputation from state cadre officers of administration (RAS), Accounts (RACs) and public works (Ex.En), respectively by the State Government.

Recruitment Procedure for Teaching Staff

The designations namely Professor, Associate Professor, Assistant Professor, Assistant Librarian, Assistant Director (Physical Education), Chief Scientist and Senior Scientist are considered as teaching staff.

Selection Procedure

- All appointments of teachers of the University are made by the Vice-Chancellor on the basis of merit as recommended by the Selection Committee duly approved by the Board of Management.
- The Registrar advertises the posts with such qualification as per vacant posts. Such an advertisement remains valid for a period of six months from the date of issue.
- After having advertised the posts and received applications, the Vice-Chancellor get them screened and obtain recommendation from the screening committee under the chairmanship of the Faculty Chairman/Head of the Department and two senior faculty members of the concerned Department who should not be the candidate for the post for which the applications are to be screened and prepare a list of eligible candidates.
- In order to facilitate the selection, the Vice-Chancellor may ask the screening/scrutiny committee to grade the applications on a proforma based on score cards provided by the Registrar after having duly approved by the Academic Council. The weightage for internal assessment proforma may vary for Professors, Associate Professors and Asstt. Professors/their equivalents; and accordingly, the weightage for the performance in the interview is modified accordingly.
- The various factors considered for the weightage of internal assessment are academic achievements, distinctions, awards and honours, administrative and personal achievements, specific contributions towards research, teaching and extension education, developments of patents, writing of books, holders of postdoctoral fellowships, foreign assignment, innovations, publications, mobilization of resources, etc. This may account for about 50 percent of total scores or as decided by Academic Council for different cadres.
- After obtaining such a list of the candidates, the Vice-Chancellor calls them for interview before the Selection Committee.
- The selection committee is constituted as per section V of Rajasthan Universities teachers and officers selection for appointment Act-1974 and section 30(3) of Agriculture University, Kota, Act-2013, as amended from time to time.
- The selection committee constituted as above conducts the interviews of candidates and/or consider them in absentia, as the case may be and select the candidates for the advertised post(s).
- The quorum required for the meeting of a selection committee constituted as per University teachers appointment Act 1974 should not be less than five out of which at least two shall be the experts, if the selections to be made is for the post of a Professor or Associate Professor or equivalent and at least one shall be expert if the selection is to be made for the post of a Asstt. Professor or any other post of a teacher equivalent thereto.
- Vice Chancellor place before the Board of management, the decision of the selection committee's recommendation with regard to selection of candidates for a post as described above.

- The recommendations of the selection committee are valid for a period of six months from the date these are approved by BOM.

Statement showing of teaching posts notified and filled in last five years

Year	Advertisement No. & Date	Teaching / Officers posts	
		Notified	Filled
Teaching			
2016-17	AUK/2017/01 dtd. 05.06.2017	38	26
	AUK/2017/02 dtd. 12.10.2017	34	27
2017-18	AUK/2018/01 dtd. 25.06.2018	26	-

Plan for recruitment on teaching post for 2020-21

The permission to fill up the following positions of teaching staff has been obtained from the state Government. The process of revising the reservation roster as per the directions of the Supreme Court of India and other procedure is in process.

Details of proposed recruitment on teaching posts during 2020-21

S.No.	Cadre	Numbers					Total
		CH&F	COA	ARS	KVK	AUK	
1.	Professor	03	02	01		-	06
2.	Associate Professor	04	05	-		-	09
3.	Senior Scientist & Head	-	-	-	04		04
4.	Assistant Professor	14	14	05		-	33
5.	SMS	-	-	-	04	-	04
6.	Asstt. Librarian	01	01	-	-	01	03
Total		22	22	6	8	1	59

Recruitment Procedure for Non-Teaching Staff

Non-teaching posts are generally classified as Ministerial staff, Account staff, Technical staff and Class IV staff.

- Ministerial staff includes Personal Secretary, Personal Assistants, Stenographers/ Computer Operators, Section Officers, Assistant Section Officers (Assistants), Clerk Grade-I and Clerk Grade-II.
- 85 per cent posts of Clerk Grade-II and 100 per cent posts of Stenographers are filled through direct recruitment following competitive examination. All other ministerial posts including 15 per cent of Clerk Grade-II are filled through promotion.
- The Competitive examination is conducted in two phases. Phase-I is written test while Phase-II is typing and short hand test.
- Accounts staff include one Asstt. Accounts Officer (Asstt. Accounts Officer Gr.I), one Accountant (Asstt. Accounts Officer Gr. II) and one Junior Accountant are deputed by State Government.

- The recruitment to the posts of Accountant is made by direct recruitment on the basis of written examination as per Rajasthan Subordinate and Ministerial Services Selection Board, Jaipur pattern and recruitment to others is made by promotions.
- The technical staff includes Junior Engineer, Technical Assistant, Farm Manager, Assistant Agriculture Officer, Drivers and Agriculture Supervisors. The appointment is made by the appointing authorities in the respective cadres from the list prepared by the selection committee / committees.
- Selection committee is constituted by the Vice-Chancellor and includes Dean/ Director, Professor/ HoD, Subject Expert and Registrar.
- The qualification and experience required for various posts and manner of appointment e.g. by direct recruitment or promotion are as per Schedule.
- 15 per cent of the vacancies of technical posts is filled by promotion subject to fulfilment of prescribed qualification of the post and clearance of job test/interview for the post as the case may be. In the event of non-availability of the internal candidates the unfilled post is carried forward.
- All appointments to class IV posts by whatever designation it may be provided in the budget are made by the appointing authorities first out of the District wise seniority list (under the jurisdiction of the university) and secondly from Inter district seniority list after obtaining their consent and thereafter out of the list of persons / candidates received from the concerned employment exchange or as per Government rules.

Statement showing non-teaching posts notified and filled in last five years

Year	Advertisement No. & Date	Non-teaching posts	
2016-17	Advt. No. AUK/2017/03/ 8321 dated 12.10.2017	56	43
2017-18	Advt. No. AUK/2018/02 dated 25.06.2018	38	-

- Further, the recruitment on following non-teaching positions is planned for the current financial year, 2020-21

Details of proposed recruitment on non-teaching posts during 2020-21

S.No.	Cadre	Numbers					Total
		CH&F	COA	ARS	KVK	AUK	
1.	Asstt. Registrar	-	-	-	-	01	01
2.	Tech. Assistant	-	-	02	01	-	03
3.	LDC/store keeper	03	03	-	-	03	09
4.	Stenographer	01	-	-	06	02	09
5.	Driver	-	-	01	08	-	09
6.	Lab. Attendant	01	04	-	-	-	05
7.	Shelf Asstt.	01	-	-	-	-	01
8.	Lab. Technician	01	01	-	-	-	02
9.	Hostel caretaker	01	01	-	-	-	02
10.	Library Asstt.	-	01	-	-	-	01
11.	Lab. Asstt.	-	02	-	-	-	02
12.	Agril. Supervisor	-	01	-	-	-	01
Total		08	13	03	15	06	45

Procedure and criteria for appointment by promotion:

Promotion of non-teaching staff in each cadre is made solely on the basis of seniority cum merit through Departmental Promotion Committees (DPC).

- The person holding the specified post is eligible for promotion to specified post subject to his/her possessing minimum qualification and experience on the first day of the month of April of the year.
- The promotions of employees (other than teachers and officers) are governed by the rules of Government of Rajasthan which are in force.
- Committee consisting of appointing authority as Chairman or his/her nominee and two members nominated by the Vice-Chancellor consider the cases of the senior most persons who are eligible and qualified for promotion to the class of posts concerned under these rules and prepare a list containing names of persons found suitable on the basis of seniority cum merit and/or on the basis of merit, as the case may be, as per the criteria for promotion laid down in these rules, equal to the vacancies.
- The committee also prepare a reserve list on the basis of seniority cum merit as per the criteria for promotion laid down in the rules, containing the names of the persons equal to the number of person selected in the list prepared under as above to fill temporary or permanent vacancies which may occur subsequently. The list so prepared is arranged in the order of seniority in the category of posts from which selection is made. Such a list is reviewed and revised by the Departmental Promotion Committee (DPC) that meets in the subsequent year and that such list remain valid for a period of 9 months from the date of approval of Vice-Chancellor or till the departmental promotion committee (DPC) meets, whichever is earlier.

Statement showing the promotion of non-teaching posts in last five years

S. No.	Order No. & Date	Cadre		Numbers
		Previous Post	Promoted to	
1.	AUK/Estt./Gr.II/2014/1192-98 dated 22.01.2014	UDC Clerk Gr.II	Accountant	01
2.	AUK/Estt./Gr.II/2014/1199-1208 dated 22.01.2014	LDC Clerk II	UDC Clerk Gr. I	07
3.	AUK/Estt./Gr.II/2014/1209-16 dated 22.01.2014	Class IV	LDC Clerk I	03
4.	AU/Kota/2017/6598-6615 dated 01.09.2017	Class IV	Driver	03
5.	AU/Estt./2020/13015-35 dated 23.01.2020	LDC Clerk Gr.II	UDC Clerk Gr.I	02
6.	AU/Estt./2020/12995-13014 dated 23.01.2020	Clerk Gr.I	Assistant Section Officer/ Assistant	07
7.	AU/Estt./2020/13036-56 dated 23.01.2020	Class IV	Agriculture Supervisor	03
Total				26

Promotions of Teachers

Promotions of teachers under Career Advancement Scheme are made as per ICAR/UGC regulation and amended from time to time.

- The Career Advancement to the Teachers is applicable as per recommendations of Pay Commission from time to time and implemented as per directions of the Government of Rajasthan.
- The career advancement of the teacher is made on his/her own post without adding to the number of faculty positions.
- A teacher who has not been found suitable for career advancement after assessment/screening is entitled to offer himself for re-assessment after one year from the date of eligibility of last assessment/screening. The promotion/ placement in the next higher grade in such cases are effective from the date he/she is found fit by the Selection Committee /University.
- There are no higher or lower limit on the number of percentage of teachers allowed career advancement.
- The teacher is continued to perform the same kind of work after his/her career advancement as before.
- When a teacher allowed career advancement leaves the University, the vacancy thus arising is filled up at the original level position occupied by the teacher before career advancement(s).
- An incumbent appointed through direct selection is always considered senior to the one coming through career advancement in that particular year.
- The eligibility criteria for placement in Senior/Selection Scale and also promotion to the post of Associate Professor and Professor, is implemented as prescribed in the recommendations of Pay Commission from time to time and as per the directives of the Govt. of Rajasthan.
- Any punishment / penalty imposed are also taken into account depending on gravity of punishment / charge.

6.6.5.2 Participation of Faculty in Symposia / Workshop

Participation of faculty in different symposia/ seminar/ workshop/ training etc. is aimed at betterment of the job performance of individuals and groups in organizational settings. Trainings from time to time help in sharpening of skills, concepts, changing of attitude and gaining more knowledge to enhance the performance of employees. In order to upgrade the scientific knowledge, recent developments in the areas of Education, Research, Extension and administration staff are deputed for trainings, seminars etc. The University is encouraging the teachers for attending the Conferences, Symposia both National and International as a part of educational process. The detail is as follow.

Teachers Attended / Symposia / Workshops / Seminar / Training during last five years

Particulars	2015-16	2016-17	2017-18	2018-19	2019-20
Symposia / Workshops/ Seminar / Training attended	06	38	48	46	172

Annexure - XXIII

6.6.5.3 Incentives for Excellence / Faculty Recognition

University has instituted following awards in order to promote and encourage the excellence in teaching, research and extension. Award ceremony is held every year on Republic day.

Best Teacher Award

- This award was initiated in 2018-19 and carries a cash prize along with a citation and a plaque.
- The number of the award in the university is only 'One'.
- All the faculty including Professor, Associate Professor/Chief scientist cum Head and Assistant Professor/SMS engaged in teaching, research and extension activities of various disciplines in different units of the University, Kota may apply for this.
- Deans/Directors of the University do not apply for this award.
- Once awarded, the employee is not eligible for consideration of award for next 5 years.

Faculty members awarded with Best Teacher Award

S.No.	Name of Awardees	Year
1.	Dr. Mahendra Singh, Sr. Scientist & Head, KVK, Kota	2018-19
2.	Dr. Baldev Ram, Associate Professor, ARS, Kota	2019-20



Felicitations / Appreciation Certificates

- Apart from the aforesaid award, the committee also proposes the felicitations/ appreciation certificates for excellence in teaching and non-teaching work of the university. These certificates are given to individual staff member or as a team work. There is no any rider on number of years between receiving the appreciation certificate.

6.6.5.4 Capacity Building and Training

Capacity building is the process of developing and strengthening the skills, instincts, abilities, processes and resources that organization need to survive, adapt and thrive in a fast changing world. The University is regularly organizing seminars/ workshops/ winter schools/ short courses/ symposia to build up the skill and abilities in the scientists and for betterment of farming community and growth of agriculture based industries.

Capacity Building and Training Programmes organised by Agriculture University, Kota

S. No.	Title of the Training / Workshop / Conference / Winter School / Summer School	Date	Duration	No. of participants
2016				
1.	Strategies for enhancing forest Productivity	16-18 March, 2016	2 Days	30-35
2017				
2.	Winter school on high-tech interventions in fruit production towards hastening productivity	01.11.2017	21 days	25
3.	Prospects of ecotourism planning and management potentials for Hadoti region	16-18 March 2017		30-35
4.	Promotion of Fodder and Grassland management practices	16-18 Feb ., 2017	2 Days	30-35
5.	Techniques in Production of quality Planting Materials in forestry	1-20 January 2017	20 Days	30-35
2018				
6.	Training on “Quantitative Farming Systems Typologies Applications with R Statistical Software”.	30.09.2018	5 Days	
7.	Training entitled “वृक्षारोपण- उद्देश, प्रकार, एवं विविध आयाम” for forest guard and foresters of the State forest Department, Rajasthan	21.03.2018	3 days	35
2019				
8.	Modern Horticulture Techniques	17.01.2019	2 Days	
9.	National seminar on “Strategic Management of Production & PHT of Garlic, Onion & Potato (GOP) for Doubling Farmer Income in Changing Climatic Scenario”	27.01.2019	2 Days	
10.	Two days training of DDOs and In-charge Establishment sections of all units of AU Kota	11-12.02.2019	2 Days	
11.	National Seminar on Technological Advancement in Horticulture for 21 st Century	18.02.2019	2 Days	

12.	Brain Storming Session of Agronomists	22.02.2019	1 Day	
13.	Workshop on “Hi-Tech Horticulture”	07.03.2019	2 Days	
14.	IPM Training	12.03.2019	5 Days	
15.	Annual Pigeonpea Group Meet	25.05.2019	3 Days	
16.	Orientation Course-I	27.08.2019	21 Days	
17.	Training programme on Personality Development	16.11.2019	2 Days	
18.	Orientation Course-II	03.12.2019	21 Days	
2020				
19.	National Seminar on Smart Horticulture	30.01.2020	3 days	
20.	Avenue in horticulture in post COVID scenario	08.06.2020	1 Day	300
21.	Role of Organic Farming in Quality Production during Post Covid-19 Era	10.06.2020	1 Day	3315
22.	Food and immunity in fight against COVID 19	17.06.2020	1 Day	100
23.	SCM and value addition of perishable during COVID-19	23.06.2020	1 Day	150
24.	Forest conservation and tree improvement in India	27.06.2020	1 Day	170
25.	Wild Life conservation	01.07.2020	1 Day	98
26.	Avenue in forestry for farmers and students	03.07.2020	1 Day	120
27.	Agricultural Extension and Advisory Services Amid COVID-19 Pandemic	24.07.2020	1 Day	851
28.	Climate Resilient Agriculture: Adaptations and Strategies for Sustainable Production	11.09.2020	1 Day	875
29.	Food and Nutritional security Amid Covid-19 situation	16.09.2020	1 Day	515



Training on “Quantitative Farming Systems Typologies Applications with R Statistical Software”



Annual Pigeonpea Group Meet, at ARS Kota



Orientation Course-I, at AU, Kota



Orientation Course-II, at AU, Kota



Role of Organic Farming in quality production during Post Covid-19 Era



Climate Resilient Agriculture: Adaptations and Strategies for Sustainable Production

Deputation of Teachers for Ph. D Programme

The University aims at upgrading the human resources for making them equipped with latest knowledge and skills. Educated human resources with high quality skills in turn ensure better output in research, teaching and extension. Hence, the candidates who have completed 5 years of service in the University are allowed for deputation for 2 semesters for completion of course work with in the state and deputation for 3 year outside the state.

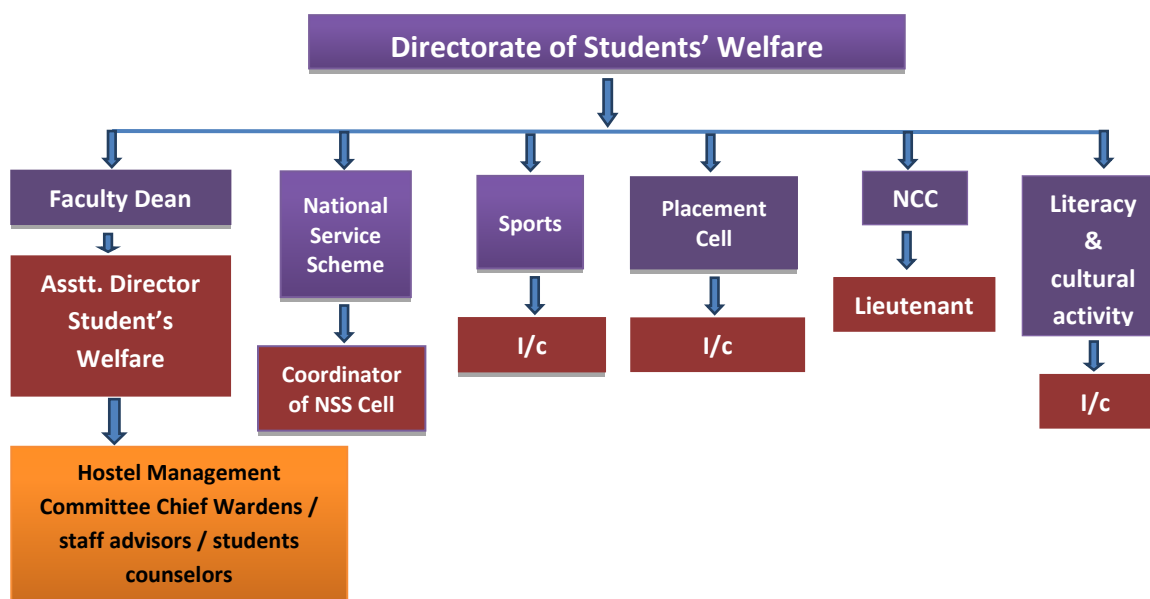
Teachers deputed for Doctoral Degree programme

S. No.	Year	Ph. D Deputation	Name & Designation
1.	2017-18	01	Sh. S.N. Meena, Assistant Professor
2.	2018-19	01	Sh. Rajesh Kumar Mahavar, Assistant Professor
3.	2019-20	01	Sh. Bharat Lal Meena, Assistant Professor

6.6.6 Students Development

The university has established the Directorate of Students Welfare (DSW) since its inception. The directorate is responsible for all co-curricular activities of the students such as sports, physical education, cultural and literary activities, NSS, NCC, placement cell, alumina meet and others. It is also responsible for creating and supervising the facilities for comfortable stay in the campus including providing such of the amenities like hostel, canteen, etc. The DSW plans and directs the programme of students counseling, placement and promote discipline among the students. The Director Student Welfare is a statutory officer of the rank of a professor with a rich academic experience and a record of mature conciliatory interactions with students and carries with the team with deep understanding of day-to-day problems and common issues. In order to channelize young students energy into creative areas through organizing numerous programme which generate social harmony and national unity, the university has a well defined setup for welfare activities of the students. The DSW organizes various activities of the every stream of art, culture, and sports and are included in the academic calendar of the semester.

Organization setup of Director Student Welfare



The office of Director Students Welfare coordinates different programme for students viz, Cultural/ Sports/ Health awareness camp/ Literary activities/ Annual function/ Education tour/ NSS/ NCC Programmes, placement, Alumni meet etc. through Assistant Director Students Welfare and games & sports incharges of respective colleges. Suggestion and complaint boxes at all the hostels are placed and necessary actions being taken by the office of DSW.

6.6.6.1. Scholarships / Stipend**Fellowships granted to students during last five years.**

S. No.	Category of fellowship	Amount (Rs.) / Year	Year wise No. of beneficiary students				
			2016-17	2017-18	2018-19	2019-20	2020-21
Under Graduate							
1.	Samaj Kalyan Vibhag Fellowship	10,000-15,000	66	79	116	107	In process
2.	CM Higher Education Scholarship	5,000	03	10	05	-	
3.	Agricultural Girls Scholarship	12,000	68	77	108	137	
4.	Nirman Shramik Shiksha and Kausal Vikas Yojana Scholarship-	15,000-18,000	-	03	10	11	
5.	NTS Scholarship	36,000	02		02	02	
6.	Student READY Scholarship	18,000	48	51	64	78	
7.	Meghawi Chhatra Scooty Yojana Scholarship	Scooty	02	-		-	
Total			189	220	348	292	
Post Graduate							
1.	Samaj Kalyan Vibhag Fellowship	10,000-15,000	11	06	08	12	In process
2.	Agricultural Girls Scholarship	12,000	07	07	05	04	
3.	NTS Scholarship	60,000	02	03	04	04	
4.	JRF (PG) Scholarship	151,680	-		01	02	
5.	Indo-Afghanistan Fellowship	15,000	-	01	01	01	
Total			20	17	19	23	
Ph.D.							
1.	Samaj Kalyan Vibhag	10,000-15,000	-	01	01	04	In process
2.	Agriculture Girls Scholarship	15,000	-	01	02	02	
3.	National Fellowship ST student	3,36,000	-			01	
Total			-	02	03	07	

6.6.6.2 Extra and Co-Curricular activities

For the overall development of the students, university regularly organizes co-curricular activities like sports, games, cultural events, NSS and NCC programme. The detail of such activities is given as under:

Sports and games activities conducted during last five years

Year	Name of events	Date	Participants
2016	1 st phase interclass tournament	October 03-07, 2016	70
	State level wrestling championship held at SMS Stadium, Jaipur	October 8-10, 2016	6
2017	2 nd phase interclass tournament	February 13-18, 2017	72
	1 st phase interclass tournament	October 07-13, 2017	80
	District level Games and Sports Meet held at Khel Sankul, Jhalawar	December 23-29, 2017	18
2018	2 nd phase interclass tournament	March 18-21, 2018	80
2019	Inter-College Games-sports and Cultural events at the CHF, Jhalawar	January 22-24, 2019	118
	Second Inter-college Games-Sports and Cultural event 2019	October 17-19, 2019	172
2020	State level Games and Sports Meet held at SMS stadium, Jaipur	January 04-07, 2020	19



Cricket



Kabbadi



Wrestling



Students participation in 20th Inter Uni. Games at SVUV, Tirupati during March 01-05, 2020



Inauguration of first Intercollege games during Jan 22-24, 2019



Inauguration of second Intercollege games during Oct 17-19, 2019

Participation of students in ICAR sponsored events (Agri-unifest / Agri-Uni sports)

S. No.	Year	Name of events	Date	Participants
Agri-Uni sports				
1.	2016-17	XVII ICAR All India Inter Agricultural Universities Sports and Games Meet held at CCS, HAU	March 25-29, 2017	28
2.	2017-18	XVIII ICAR All India Inter Agricultural Universities Sports and Games Meet held at UAS, Bangalore	January 30-03 February, 2018	23
3.	2018-19	XIX ICAR All India Inter Agricultural Universities Sports and Games Meet held at PAU, Ludhiana	January 02-05, 2019	30
4.	2019-20	XX ICAR All India Inter Agricultural Universities Sports and Games Meet held at SVVU, Tirupati, Andhra Pradesh	March 01-05, 2020	38
Agri-unifest				
5.	2016-17	17 th Agriunifest at RAJUVAS, Bikaner	February 22-25, 2017	27
6.	2018-19	Agri-Unifest 2019 held at SDAU Sardarkrushinagar (Guj.)	February 03-07, 2019	23
7.	2019-20	Agri-Unifest 2019-20 held at IGKV, Raipur, Chhatisgarh	February 08-12, 2020	23

NSS and NCC activities

S. No.	Year	Name of events	Date	Participants
1.	2016-17	NSS special Camp at Ralayata, Jhalawar	April 10-17, 2017	86
2.	2017-18	NSS special Camp at Undal, Jhalawar	March 19-26 2018	29
		NSS day celebration	September 24, 2018	
3.	2018-19	NSS Foundation Day	September 24, 2018	66
		NSS special Camp	January 25-31, 2019	58
		NSS Special Camp at Ummedpura village	February 20-27, 2019	134
		Thalsena and Yoga Camp-NCC	June 13-22, 2019	12
4.	2019-20	Thalsena Camp-NCC held at Udaipur	August 14-23, 2019	02
		NSS camp and Sewa Shivir	September 11-18, 2019	
		Silver jubilee NSS Foundation Day	September 24, 2019	
		IV Combined Annual Training NCC camp	September 15-24, 2019	06
		VIII Combined Annual Training NCC Camp	November 07-16, 2019	01
		Kargil Vijay Diwas (NCC)	June 26, 2020	
		NSS special Camp at Ummedpura	February 15-21, 2020	84
		NCC cadets Participation in Covid-19 training organized by Govt. of India	May 31, 2020	36
5.	2020-21	NSS Foundation day	September 24, 2020	Online



Literary, art and cultural activities

S. No.	Year	Name of events	Date	Participants
1	2016-17	Slogan writing on Swachhta	August 05, 2016	149
		Debate competition on Swachhta	August 09, 2016	149
		Global Rajasthan Agri-tech Meet	May 24-26, 2017	50
2	2017-18	National Youth Festival at Jaipur	January 12-16, 2018	02
		Swachchhta hi Sewa Programme	Sept 15. to 02 Oct., 2017	
		Daughters are precious programme	November, 11, 2017	125
		E-learning programme	October 26, 2018	
3	2018-19	District level Essay competition	August 13, 2018	03
		Patriotic song competition at Govt. Medical College, Jhalawar	August 18, 2018	11
		Hindi Diwas debate competition at Girls PG College, Jhalapatan	September 12, 2018	03
		E-Learning Programme	October 26, 2018	65
		Swami Vivekanand jyanti	January 12, 2019	160
4	2019-20	Road safety awareness Programme	August 23, 2019	50
		Sadbhawna Diwas	August 20, 2019	
		Career Development and Personality Grooming Programme	November 23, 2019	100
		5 th National Youth Convention at IGKV, Raipur	January 20-21, 2020	05
		Self Defense training for girls	February 7, 2020	50
		Quiz on COVID-19 awareness	June 17, 2020	250 Online
		National webinar on Food and immunity in fight against COVID-19	June 17, 2020	50 Online
5	2020-21	Orientation programme on the theme of COVID-19	July 29, 2020	
		Teachers day	September 05, 2020	Online
		National online solo Dance competition	October 15, 2020	54
		Agricultural Education Day	December 03, 2019	350



Dance Competition



Mime



Participation of students in 20th AgriUnifest at Raipur during Feb, 8-12, 2020



Student Participated in Inter Agricultural University Youth Festival 2019-20

Other activities

S. No.	Year	Name of events	Date	Participants
1.	2016-17	Save Plants oath	August 09, 2016	149
		Independence day	August 15,2016	
		Swach Bharat Mission Pakhwara	August 1-15, 2016	149
		UG and PG students participated in Global Rajasthan Agri-tech Meet (GRAM) held at Jaipur	November 9-11, 2016	
		<i>Beti Bachhao, Beti Padhao</i>	November 19, 2016	
		Republic day celebration	January 26,2017	
		Village adoption-Chhacchhao and Ralayata	April 1 st , 2016- 31 March, 2017	149
		Environment Day	June 05, 2017	150
		International Yoga Day	June 21, 2017	119
2.	2017-18	Swachta Pakhwara	Aug 1-15, 2017	
		Swachta Ralley	Aug,11, 2017	55
		Cleanliness campaign at village Gadiamar	August 11, 2017	
		Central Students union Election	August 28, 2017	55
		Blood donation camp	Sept 25.,2017	
		Cleanliness drive at Chndrabhaga river, Jhalarapatan, Jhalarapatan	October 28, 2017	
		<i>Ek sham Sahidon ke naam</i>	January 25, 2018	55
		Republic day celebration	January 26,2018	
		World Environment Day	June 05,2018	30
		International Yoga Day	June 21, 2018	32
		Orientation Day	August 08, 2018	60
		Independence Day celebration	August 15, 2018	
		Teachers Day celebration	September 05, 2018	
		Hindi Diwas celebration	September 14, 2018	
		Gandhi Jyanti celebration	October 02, 2018	
Constitution day celebration	November 26, 2018			
International Soil Health Day	December 05, 2018	15		
3.	2018-19	Swachhta pakhwara	August 01-15, 2018	160
		Independence day celebration	August 15,2018	
		Sadbhawna Diwas	August 20, 2018	38
		Surgical Strike day	September 29, 2018	189
		Samajh Sparsh Ki ralley	October 01, 2018	61
		Gandhi jayanti celebration	October 02, 2018	160
		Republic day celebration	January 26, 2019	
		District youth Parliament	January 28, 2019	50

		Homage to Martyr Army in Pulwama, J&K	February 02, 2019	
		International Women's day	March 08, 2019	
		Blood donation camp	April 12, 2019	61
		Ambedkar Jyanti	April 14, 2019	168
		Participation in Human Chain	April 25, 2019	65
		International Yoga Day	June 21, 2019	
4.	2019-20	Plantation drive	July 20, 2019	300
		Gandhi March	July 27, 2019	150
		<i>Jalshakti karyakram</i>	July 29, 2019	
		Independence day celebration	August 15, 2019	
		Central Student Union Election	August 27, 2019	
		Gandhi Darshan	September 11-30, 2019	
		150 th Gandhi <i>jayanti</i> celebration	October 02, 2019	
		Gandhi lecture series	October 03-05, 2019	
		Constitution day	November 26, 2019	
		Agricultural Education Day	December 03, 2019	200
		Book Exhibition	December 12, 2019	40
		Republic day celebration	January 26, 2020	
		Yoga Camp	March 02-06, 2020	100
		Mask and Sanitizer distribution and COVID-19 Awareness programme	March 18, 2020	
		<i>Arogya setu</i> app downloading promotion and immunity boosting awareness	Throughout lockdown period	
		National Essay competition on COVID-19 and lockdown in pollution reduction	June 5, 2020	60
		World Environment day	June 05, 2020	Online
		National contest on COVID-19 Blessing in disguise for Wildlife	June 10, 2020	Online
		World yoga Day	June 21, 2020	Online
5.	2020-21	Parthenium eradication week	August 18-22, 2020	50
		Independence day celebration	August 15, 2020	
		Sadbhawna Diwas	August 20, 2020	Online
		Atma Nirbhar Bharat Abhiyan E-camp	August 20-25, 2020	07
		Hindi Diwas	September 14, 2020	Online
		Gandhi Jyanti	October 02, 2020	Online
		Book Exhibition on Gandhi an philosophy	October 02-08, 2020	
		No mask No entry awareness on COVID-19	October 06, 2020	36
		Oath on COVID-19 awareness	October 06, 2020	
		Constitution day	November 26, 2020	170
		World Soil Health Day	December 05, 2020	40

Glimpses of activities of Directorate of Students Welfare



Student's participation in National Yoga Day on June 21, 2020



Organization of No Mask No Entry Fortnight during Oct 2-17, 2020

Organization of National webinar on June 17, 2020

Sports and Games daily practice by the students

At all the constituent colleges of the Agriculture University, Kota, sports and games activities are being regularly conducted. Students practice on various sports activities. Incharges of sports of the respective colleges guide the students in all the sports activities.

Every year university organizes the Inter-Collegiate Sports competitions and select the students for the All India Inter-Agricultural University Sports & Games meet. The students selected for the All India Inter-Agricultural University Sports & Games competition are given coaching for a period of 15-20 days to prepare a strong team for the national competition.

Awards to students

1. At Independence Day programme-2018 organized by District administration, Jhalawar, Ms. Sakina Bano and Komal independently bagged first position, Priyanka and party, Sunil and party second position, and Mr. Arvind third position in song completion.

2. In NCC camp on *Atma Nirbhar Bharat* held at Jaipur on 22.08.2020 in Debate competition Mr. Jyotiraditya Solani, NCC Senior Under Officer secured first position.
3. In *Thalsena* camp and Yoga Camp-NCC held during June 13-22, 2019 at Kota Ms. Simran received award for Best drill.
4. In *Thalsena* camp and Yoga Camp-NCC held during June 13-22, 2019 at Kota Ms. Harsha Gajra received award for Games and sports.
5. Mr. Ashwin Acharya and Ms. Shruti Singh secured first and second position, respectively in District Level Debate organized on the occasion of Hindi Diwas on 17 September, 2019.
6. In Agri-Unifest 2019-20 held at IGKV, Raipur, Chhatisgarh during February 08-12, 2020, students of AU, Kota secured fourth position in Mime competition.
7. Ms. Shivangi Rai secured second position in a. Quiz and b. Photography separately during Wildlife Week celebration 2020 organized during October 01-07, 2020.
8. In online quiz competition held at the occasion of World Soil Health Day on December 05, 2020, Ms. Niti Agrawal secured first position; Komal, Nikita Kumari, Sanjay, Anandi Lal Choudhary secured second besides Rakesh Parasariya and Pankaj Kumar Saini occupied third rank.

6.6.6.3 Health facilities

The staff and students avail the health facilities available at the nearby dispensary/medical college. The facilities of vehicles to transport for medical assistance are made available as per need. The ADSW, Warden and Chief Warden of respective constituent colleges, coordinate for medical assistance as per requirement.

University has implemented an accidental insurance through Yova Raksha Policy of United India Insurance Company for the students and their earning parents with a sum assured of Rs. 4,00,000/- on accidental death. The scheme is mandatory for every student in each college, for which a premium of Rs. 178/- per year / per student is charged from the students.

6.6.6.4 Sports and Cultural Facilities

The facilities for following games and sports are available at the university at the premises of respective colleges.

S. No.	Games	CHF&, Jhalawar	COA, Kota
Outdoor games			
1.	Basketball	1	1
2.	Volley ball	1	1
3.	Kabaddi	1	1
4.	Cricket practice pitch	1	1
5.	Football ground	1	1

6.	Kho-Kho	-	1
Indoor Games			
7.	Badminton	2	1
8.	Table-tennis	2	2
9.	Chess	2	2
10.	Gymnasium	2	1

The students utilize these facilities regularly for enhancement of their games-sports skills. The Officer Incharge Games and Sports of respective colleges monitor these facilities for students under the guidance and supervision of DSW. The coaching camps for specific games and sports are organized from time to time with the help of hired specialized coaches.



Kabbadi ground



Cricket Practive pitch



Volleyball ground



Basketball court

Similarly, cultural events form another segment of co-curricular activities. University organizes cultural events for students first at inter class basis and then at inter college basis. The students are nurtured in different cultural events as under:

Event	Items
Literary	Quiz, Elocution, Debate, Extempore
Fine arts	On the spot painting, Collage, Rangoli, Poster making, Clay modeling, Cartooning
Theatre	One act play, Skit, Mime, Mono acting
Music	Light Vocal (Indian), Patriotic songs (Indian), Group songs (Indian)
Dance	Solo dance (Indian), Group dance (Folk)

6.6.6.5 Students Counseling and Placement cell

A separate counseling and placement cell is established in each college. The cell works for counseling the students for various avenues in higher education, research, job, entrepreneurship etc. in agriculture/horticulture and forestry subjects.

The process of the counselling is operated at colleges under the guidance of respective Deans and at the university level under Director Students Welfare.

At undergraduate, a staff advisor is nominated to each student for whole degree programme. The advisor helps the student on education, social and personal matters and provides counseling for higher education job, and other matters. It is an effective counselling procedure. At Masters and Doctorate level advisor nominated for curricular research, takes care of counselling related to education, research and social life.

Year wise achievements of counseling and placement cell

Year	Achievements
2016-17	<ul style="list-style-type: none"> • 07 students selected in Bank Job • 02 students selected as Assistant Professor • College alumni Mr. Hanuman Ram got All India 1st Rank in ARS Vegetable Science • 01 student got placement in Govt. of Haryana as Horticulture Officer • 03 students selected as AAO/Supervisor
2017-18	<ul style="list-style-type: none"> • 03 students were selected in Bank Job • 06 were selected as Assistant Professor • 03 students selected as AAO/Supervisor • 02 students selected as SRF
2018-19	<ul style="list-style-type: none"> • 05 students got ICAR-NET certificate • 05 students selected as AAO/Supervisor • 01 student got placement in DDA, Delhi
2019-20	<ul style="list-style-type: none"> • 03 students got placement in Govt. of Maharashtra. • 02 students selected as AAO/Supervisor • 01 student got placement in NSC • 02 students placed in EKKI Food Pvt. Ltd. • 02 students placed in Chifu Agritech Pvt. Ltd., Telangana.
2020-21	<ul style="list-style-type: none"> • 02 students selected in Govt. of Haryana • 01 student as Asstt. Professor • 02 students joined as Agriculture Supervisor in Govt. of Rajasthan, • 02 students placed in VEGROW, Biotech Division, Bangalore • 05 student have been selected in IDBI Bank

6.6.6.6 Disabled friendly facilities

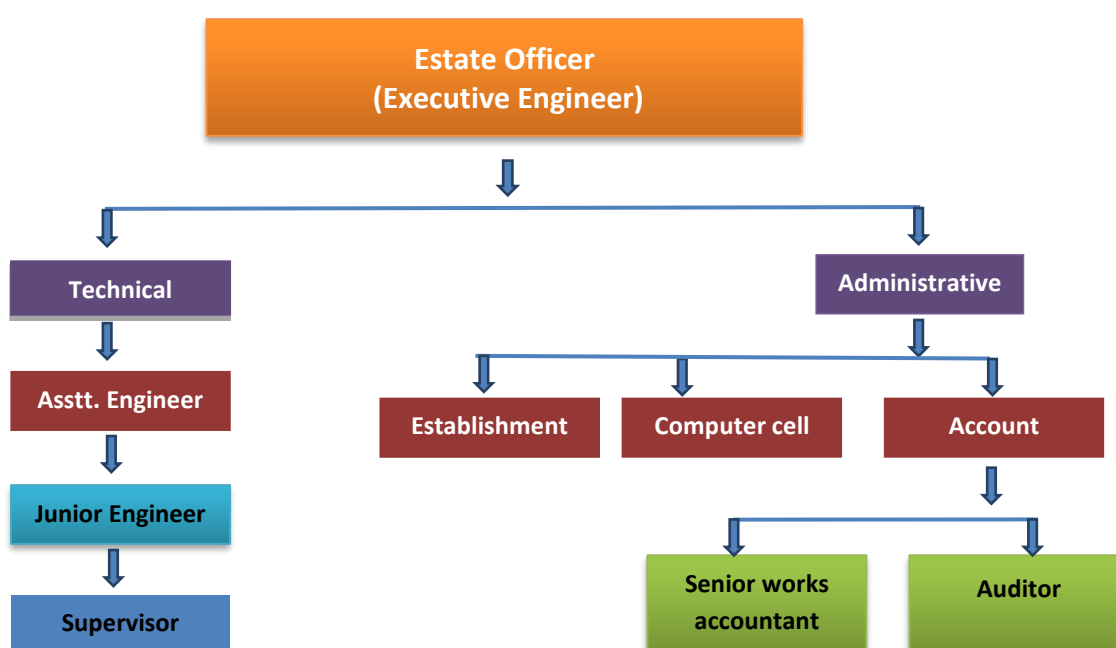
The buildings of all the units of the university have disabled friendly facilities, such as ramp, handrail etc. to enable disabled students move and access amenities. The try-cycle facility is also available to the disabled during their entire stay for degree programme. In hostel, separate special rooms are being allotted to such candidates. Due care is being taken by the hostel wardens for them.



6.6.7 Infrastructure

The Agriculture University, Kota has been established in year 2013 with one constituent College, one Agricultural Research Station, three Agriculture Research Sub Stations, one Mechanized Agricultural Farm, and six KVKs. Later on, another College and other programmes were added. For the development and maintenance of different infrastructure at these units, an independent Estate Office headed by Estate Officer of Executive Engineer rank is working.

Organization structure of Estate Office:



6.6.7.1 Physical facilities including administrative building and lands:

A. Land availability : The university has total **999.39** ha land area for purpose of teaching, instruction, research, seed production etc.

Unit	Total land (ha)	Land use
CH&F, Jhalawar	120.00	Instructional farm, PG student research, AICRP research, protected cultivation and seed production, sports and games facility for staff and students
COA, Kota	39.75	Instructional farm, PG student research, protected cultivation and seed production, sports and games facility for staff and students
MAF, Kota	485.00	For mechanization of crop production and breeder seed production

ARS, Kota	80.50	For conducting the research and quality seed production
ARSS, Khanpur	52.00	For quality seed production
Seed Farm, Sultanpur	21.50 *	For quality seed production
ARSS, Aklera	43.29	For dry land experimentation and seed production
KVK, Kota	46.36	Live demonstration units, crop cafeteria, ICAR mandated experimentation and seed production
KVK, Bundi	37.12	
KVK, Hindaun	20.25	
KVK, Jhalawar	22.00	
KVK, Sawai Madhopur	16.58	
KVK, Baran	15.04	

* on lease from State plan

Main administrative buildings : The central administrative office of the university is located at Borkhera in Kota having build-up area of 45,411 sq.ft. costing Rs. 1263 lacs which houses the offices of the Vice-Chancellor, Director of Extension Education, Director of Research, Registrar, Comptroller, Estate Officer, Controller of Examination, Director Students Welfare, Director Education and other offices. The building have conference room, meeting room and server room. The main administrative building is provided with uninterrupted electric power supply of 100 KVA solar roof top unit, high speed dedicated internet lease line of 100 mbps, CCTV surveillance, computer network system, telephones, email, fax, water supply and sanitary facilities.



Administrative Building



CHF& Jhalawar

All the College, Research Stations and KVKs have their own administrative buildings equipped with necessary facilities including telephones, internet, DG set, parking, meeting rooms, CCTV, approach roads, complete in all respect.

B. Agriculture Technology and Management Quality Improvement Centre (ATMQIC) : The ATMQIC is established with the total build-up area of 9000 sq.ft. costing Rs. 110 lacs which houses agricultural education museum, Kisan call centre, training hall, video conference hall, faculty room etc.



C. Academic block of the colleges :

(i) College of Horticulture & Forestry Jhalawar : the following infrastructure facility with respect to classroom, laboratories, seminar room and examination hall have been developed.



Item	Number	Class	Seating capacity /room
Classroom	6	UG	60
Classroom	4	PG & Ph.D	30
Laboratories	16	UG & PG	30
Seminar room	01	UG & PG	50
Training hall	02	Common	70
Farm building	01	Common	-
Video Conferencing	01	Common	60
Examination hall	01	Common	100
ELU Unit	07	UG	30



(ii) College of Agriculture, Kota : the following infrastructure facility with respect to classroom, laboratories, seminar room and examination hall have been developed.

Item	No.	Class	Seating capacity/room
Class room	04	UG	70
Class room	06	PG & Ph.D.	20
Laboratories	08	UG & PG	20
Seminar room	01	UG & PG	100
ELU	04	UG	30



The classrooms and laboratories are equipped with required furniture, CCTV Cameras, boards and K-yan projectors and necessary equipments.

D. Hostels: following hostel buildings have been constructed.

Name	Capacity	Amount (Rs. In lakh)	Funding agency
Girls hostel at College of Agriculture, Kota	34	100	ICAR
Girls hostel at College of Horticulture & Forestry, Jhalawar (extension)	54	80	State plan



Boys hostel at College of Horticulture & Forestry, Jhalawar	96	150	State plan
PG hostel at College of Agriculture, Kota	36	50	State plan
PG hostel at College of Horticulture & Forestry, Jhalawar	24	100	ICAR
Farmer hostel at all KVKs (5)	30	250	ICAR



Boys Hostel



PG Boys



Girls Hostel



PG Boys Hostel

F. Guest house: following guest house facilities are available in the different units of the university

Name	Capacity	Amount (Rs. In lakh)	Funding agency
Main campus (under construction)	30	300	State plan
CH&F, Jhalawar	32	125	RKVY
COA, Kota (ARS)	28	30	State plan



G. Boundary wall for all campuses : all the colleges, research centres, KVKs have fully constructed boundary wall with main gate / side gate, security cabins, etc. The total compound wall measuring 45 km in all and about 25 km in last five years have been constructed.

Name of unit	Quantity
ARSS, Aklera	4.00 km
ARSS, Khanpur	3.00 km
KVK, Kota	4.00 km
KVK, Hindaun	3.00 km

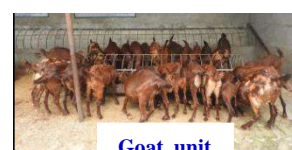
KVK, Sawai Madhopur	3.00 km
ARS, Kota	6.00 km
MAF, Kota	14.00 km
CH&F, Jhalawar	8.00 km

H. Live demonstration, experiential learning / instruction unit

Name of unit	Quantity
Instructional farm CH&F, Jhalawar	100 ha
Instructional farm COA, Kota	30 ha
Experiential learning unit	10 nos.
Dairy unit at KVK / ARS	3 units
Goat units at KVK / ARS	4 nos.
Vermicomposting unit KVK / ARS	7 nos.
Food processing & value addition unit KVK Kota	1 no.



Dairy unit



Goat unit



Vegetable farm



Hydroponic unit



Food processing & Value addition unit

I. Seed Processing & Storage: the university has a robust and updated infrastructure on seed production, processing and storage.

Name of unit	Quantity (nos.)
Seed processing plants	05
Seed hub & storage godown at KVKs	13
Seed spices and grain storage at ARS, Kota	02
AC humidified seed storage facility at MAF, Kota	01



Seed Processing Storage Unit

J. Other infrastructure facilities developed:

Name of unit	Quantity (nos.)
Water harvesting structure	2
Rural agriculture marketing Kiosk at KVK, Jhalawar	3
Implement shed	14

6.6.7.2 IT infrastructure : University has good IT infrastructure facilities for university governance and teaching purposes. The basic available IT infrastructure facilities includes

- Well established Local Area internet Network system having 100 mbps dedicated high speed internet leased line, LAN cabling network, racks equipped with switches, View sonic fire wall and routers, access point switches UPS online system Fire alarm system / CCTV controllers are installed. Similarly, Wi-Fi connectivity is also provided to the campuses.
- All the buildings of the main campus are connected to LAN, through Optical Fiber Cable and wireless access points provided at certain locations
- Two well equipped conference halls have been established in the main campus and the conference hall with facility of video conference has been created at the College of Horticulture & Forestry, Jhalawar.
- ATMQIC hall is having all the facilities for Hardware and Software based video conferencing with good audio conference (PA) system and LED screens, and other necessary peripherals.
- Administrative building conference hall has a well equipped Audio Conference (PA) System with on Table Boundary Microphones, Amplifier, Loud speakers, Digital signal processor etc., fully equipped 86 inch LED display touch screen with minicomputer and its own inbuilt e-signage system and content sharing, Panasonic codec 1:1 and PTZ camera and other requirements for hardware based video conferencing.
- For online teaching, meetings and conferences, organizational edition of Microsoft Teams has been procured in the university. University’s foundation day, Fourth Convocation and inauguration of new administrative building were the main events conducted online.
- Similarly, university has software for recruitment module, academic module, financial management of IUMS and KOHA software for library management.
- Well-equipped computer and language labs have been developed at College of Horticulture & Forestry, Jhalawar & College of Agriculture, Kota for teaching purposes.
- The fully IT equipped two smart class rooms have been developed at College of Horticulture & Forestry, Jhalawar.
- Almost all the staff members are having access to computer and printing facilities. About 250 computers, 25 photocopiers and 150 printers are available in the university.

6.6.7.3 Student and Staff Amenities

The premises of the university and its units are with plenty of space, greenery, flowers, landscapes and cleanliness, relaxation and piece. The majority of the students admitted to

degree programme are housed in the hostels. Separate girls' hostels have been provided in all the constituent college campuses. Intellectual isolation is surmounted with the help of extracurricular activities such as, art of living camps, stress management, leadership development, spirituality, health education, yoga, games etc. Each college has Asstt. Dir. Students Welfare looking after student and staff amenities. At the university level Director Students welfare look- after the student and staff amenities.

The important amenities are :

- **Sports & cultural facilities :** High quality games and sports facilities including multipurpose play ground with wrestling track, volleyball, football, kabbadi, kho-kho, and other sports are available. Besides, indoor Gym, badminton, table tennis, and yoga facilities etc. are available in the hostels of the colleges. The facilities are utilized by the student and staff both. Coaches are made available to the students for different games as and when required. The organization of cultural week is the regular practice in all the teaching campuses having various activities such as group dance, solo dance, folk dance, debate, quiz, rangoli, elocution, extempore on the spot painting, poster making, clay modelling, cartooning, one act play, skit, mime, mono acting, light vocal, patriotic songs (Indian), group songs (Indian) etc.
- **Food service :** all the hostels of the teaching campuses are providing mess facility.
- **Employment and career advice :** the centre provides career advice through placement and counselling cell.
- **Student helpline :** the DSW office regularly :
 - (i) organizes counselling and campus interviews.
 - (ii) organizes special lectures, and counselling to prepare for competitive examinations.
 - (iii) arranges counselling for seeking admission in foreign universities.
 - (iv) organizes education tour for bachelor degree programme.
 - (v) execute intra-college and inter-college sports, games and cultural activities.
 - (vi) Provides health care services to the students.
 - (vii) Promotes NCC and NSS activities as a credit course at bachelor degree programme.



- **Amenities for staff :**

- (i) Limited number of residential quarters are available for the staff.
- (ii) Vice-Chancellor Trophy sports tournaments for non-teaching staff are organized annually.
- (iii) Various activities such as, staff picnics, cultural events are organized time to time.
- (iv) Staff clubs have been formed at all the major teaching and research units of the university and they are organizing various recreational activities from time to time in the university.



Staff picnics organized by the staff club

6.6.8 Financial Resource Management

The Office of the Comptroller is the apex unit which undertakes the overall responsibility for Estimation of current revenue and expenditure, Preparation and presentation of budget proposals before the Finance Committee and Board of Management, Preparation and forwarding of university budget request to the State, Prepare claims with Government, ICAR and other agencies for release of grants, Draw of pay and wages bills prepared by the unit heads, Accounting of all receipts, Accord sanctions and/or place the payments for the approval of the Vice-Chancellor, Take care of investments of funds as provided for the Act/Statutes, Maintain pension fund and provident fund accounts and disburse retirement benefits, Act as adviser on purchase to be approved by the Vice-Chancellor, Scrutinize all work estimates and arrange payments on receipt of bills, Submit general accounts for audit conducted by the Government Auditor and C&AG, In-Charge of treasury functions, Comptroller acts as Secretary to the Finance Committee and Offers opinion on matters referred from several offices.

6.6.8.1 Budget Allocation

A. Budget allotted by State Government: Following budget is provided by the state government under non plan and state plan scheme to run the various units of the university.

(i) Budget under State Non Plan (only salary) (Rs. in lakhs)

S. No.	Unit	Years				
		2016-17	2017-18	2018-19	2019-20	2020-21*
1	ARS, Kota	296.00	301.30	425.60	583.80	345.00
2	ARSS, Aklera	44.00	49.70	68.20	71.20	65.00
3	CH&F, Jhalawar	260.00	290.70	236.10	268.00	180.00
4	MAF, Kota	130.00	158.30	179.50	266.50	180.00
5	ARSS, Khanpur	--	--	15.60	80.50	50.00
6	DDO, ADM	--	--	--	--	80.00
	Total	730.00	800.00	925.00	1270.00	900.00

*estimates only

(ii) Budget under State Plan (Rs. In lakhs)

S. No	Unit	Head	Years				
			2016-17	2017-18	2018-19	2019-20	2020-21*
1.	Univ. office, Kota	Salary	247.92	384.61	396.69	373.84	451.00
		Contingency	90.77	42.81	96.00	231.35	72.92
		Construction	385.00	450.00	542.00	--	--
2.	CoH&F, Jhalawar	Salary	11.17	14.04	55.69	126.97	189.97
		Contingency	41.00	45.50	43.13	60.88	40.88

		Construction	--	--	100.00	0.00	50.00
3.	COA, Kota	Salary	--	--	13.00	108.00	180.00
		Contingency	--	--	24.00	40.00	38.50
		Construction	--	--	0.00	307.00	68.00
4.	ARS, Kota	Salary	194.27	212.65	206.78	181.59	179.03
		Contingency	29.34	31.49	29.17	30.43	26.43
5.	MAF Ummedganj	Salary	7.05	5.16	4.16	12.32	12.32
		Contingency	12.87	15.87	10.89	14.88	10.88
6.	ARSS Aklera	Contingency	3.00	2.50	2.75	1.50	2.50
7.	ARSS Khanpur	Contingency	2.00	1.00	2.25	2.25	2.50
8.	Sultanpur Farm	Contingency	--	--	1.00	1.50	1.50
		Total	1024.39	1205.63	1527.51	1492.51	1250.00

*estimates only

B. Budget allotted by ICAR

(Rs. In lakhs)

Sub head	Years				
	2016-17	2017-18	2018-19	2019-20	2020-21*
KVKs	840.79	770.28	628.92	729.47	405.92
AICRPs 75 %	502.06	482.90	461.08	494.69	206.52
Development grant	183.30	458.99	236.45	221.71	56.17
Total	1526.15	1712.17	1345.32	1445.87	668.61

* only first half

6.6.8.2 Finance Committee

The Finance Committee of Agriculture University, Kota is constituted as per the provision of statutes. The meetings of Finance Committee held during last five years;

S.No.	Date of Finance meeting	Finance Meeting
1	25.02.2016	IInd Finance Committee Meeting
2	16.05.2017	IIIrd Finance Committee Meeting
3	08.06.2018	IVth Finance Committee Meeting
4	26.06.2019	Vth Finance Committee Meeting
5	08.06.2020	VIth Finance Committee Meeting

6.6.8.3 Internal Resource Generation

In order to supplement the increasing fund requirement of the university, the internal resources are generated through sale of agri inputs such as seed, vermicompost, trichoderma, planting material, processed products, other farm produce etc. besides, through collection of tuition fee, examination fee, affiliation fee, laboratory sample testing charges, etc.

Internal Resources Generated in Last Five Years**(Rs. In Lakhs)**

S. No.	Station	2016-17	2017-18	2018-19	2019-20	2020-21*
1	Agri. Res. Station, Kota	77.04	99.13	97.70	78.00	90.00
2	Mech. Agri. Farm, Kota	223.78	344.04	354.60	289.15	290.00
3	Agri. Res.Sub Station, Aklera	30.76	49.10	53.55	45.79	45.00
4	Agri. Res.Sub Station, Khanpur	50.00	81.44	82.05	87.53	70.00
5	KVKs	157.10	172.82	168.77	235.34	190.00
6	CH&F, Jhalawar	73.21	123.01	124.25	157.97	126.00
7	COA, Kota	-	-	23.80	74.98	70.00
8	Interest from Comptroller S/B Acc.	37.10	51.12	57.14	51.53	58.00
9	Other Offices	37.06	64.54	51.00	54.32	73.00
	Total	686.05	975.20	1012.36	1074.61	1012.00

*estimated

6.6.8.4 External Funding Source

The University over the years has mobilizing resources from external funding agencies, such as NHM, NHB, NICRA, GKMS, MIDH, FLDs, RKVY, Private projects and other sources.

External funding receiving in last five years**(Rs in lakhs)**

Year	RKVY	NICRA	NAHEP	MIDH/ TSP/FLD	Private Project	Others	Total
2016-17	499.97	10.91	--	473.67	43.62	36.31	1064.48
2017-18	655.53	8.85	--	359.50	38.55	25.98	1088.41
2018-19	478.36	8.10	242.02	524.12	127.07	11.33	1391.00
2019-20	513.00	9.01	135.30	405.84	32.25	6.00	1101.40
2020-21	445.00	4.85	34.30	23.28	60.98	19.00	587.41
Total	2591.86	41.72	411.62	1786.41	302.47	98.62	5232.70

6.6.8.5 Financial Powers Delegation

The university has decentralized financial control with delegation of powers at various levels of the administration, as defined in the university Act and Statutes. The limits for the purchase of movable and immovable articles are as mentioned below;

Vice Chancellor	: Full powers
Dean / Directors	: Upto Rs 5.00 lakhs
Registrar/ Comptroller/ CoE/	: Upto Rs 1.00 lakhs
Estate Officer/ZDR/DSW	: Rs 2.00 lakhs
Officer Incharge KVK/ARSS/MAF	: Rs 1.00 lakhs
Project Incharge/ HoD	: Rs 0.10 lakhs

6.6.8.6 Finance Utilization

The fund utilization for the last 4 years has been exhibited in the table below;

Year	2016-17	2017-18	2018-19	2019-20	2020-21*
% Utilization	98.44	94.30	81.25	99.82	60.00

*tentative only

6.6.9 Accomplishment

The Agriculture University, Kota is embarking in to 8th year of its functioning, since its inception in year 2013. In a short span of 7 years, the university has paced to a new path of growth and development in its trinity mandates of academics, research and extension. It caters to the knowledge and information need of students and the farming community through two constituent colleges namely; College of Agriculture, Ummedganj, Kota and College of Horticulture & Forestry, Jhalawar; two affiliated Colleges of Agriculture, one Agricultural Research Station, one Mechanized Agriculture Farm at Ummedganj, Kota; , two Agricultural Research Sub- Stations at Aklera and Khanpur, one seed production farm at Sultanpur and six KVKs at Kota, Jhalawar, Anta (Baran), Bundi, Sawaimadhapur, Hindon (Kaurol). As testimony for the remarkable progress made by the university during last five years, some of the awards and recognition bestowed upon the university are as follow:

6.6.9.1 Awards for the University

Institutional

Year	Name of Award	Recipient	Sponsored by
2018	Best centre of All India Co-ordinated Research project on Integrated Farming Systems (AICRP on IFS)	PI of the project	ICAR, New Delhi
2019	Best Centre of All India Co-ordinated Research Project on MULLaRP (AICRP on MULLaRP)	PI of the Project	ICAR, New Delhi
2016	KVK, Anta (Baran) received Pandit Deendayal Upadhyay Krishi Vighyan Protsahan Puarshkar -Zone II	Director Extension Education	ICAR, New Delhi
2018	KVK, Kota received Pandit Deendayal Upadhyay Krishi Vighyan Protsahan Puarshkar -Zone II	Director Extension Education	ICAR, New Delhi
2019	KVK, Bundi received Pandit Deendayal Upadhyay Krishi Vighyan Protsahan Puarshkar -Zone II	Director Extension Education	ICAR, New Delhi
2019	1 st cashless KVK Award KVK , Kota	Senior Scientist and Head	ICAR, New Delhi
2020	KVK, Jhalawar Honoured with Innovative Agriculture Award for Saving water and rain water harvesting innovation	Senior Scientist and Head, KVK, Jhalawar	Dhanuka Agritech Limited
	KVK, Kota received Appreciation Certificate for timely establishment of seed hub	Senior Scientist and Head, KVK, Kota	ICAR, New Delhi

Young Scientist Award

Year	Name of Award	Recipient	Sponsored by
2016	International Award for Outstanding Research in Fruit Science	Dr. Prerak Bhatnagar	AUFAU, Salem
2016	Best Outstanding Scientist Award	Dr. Prerak Bhatnagar	ICAHPS, New Delhi
2017	Australia Award Fellowship (Member of Australia Award Alumni)	Dr. J. P. Tatarwal	Department of Foreign Affairs and Trade (Australian Government)
2017	Young Scientist Award	Dr. B. L. Nagar	International Conference on Global Research for Sustainable Agricultural and Allied Sciences (GRISAAS 2017)
2018	Young Scientist Award	Dr. S. L. Yadav	Astha Foundation, Meerut (UP)
2018	Young Scientist Award	Dr. D. L. Yadav	Society for Scientific Development in Agriculture and Technology (UP)
2018	Young Scientist Award	Dr. N. K. Meena	University of Allahabad
2019	Young Scientist Award	Dr. N. K. Meena	Institute of Scholar, Bengaluru

Best Oral and Poster paper Presentation Award

Year	Name of Award	Recipient	Sponsored by
2016	Best oral paper presentation award	Dr. Baldev Ram,	National Conference on “Strategies and Innovation in Agricultural and Horticultural science held at CPU, Kota
2017	Best poster presentation	Dr. B. L. Nagar	International conference on Global Research Initiatives for Sustainable Agriculture and allied sciences (GAISAAS-2017) held at MPUAT, Udaipur
2018	Best poster paper presentation Award	Dr. J.P. Tatarwal	XXI Biennial National Symposium on “Doubling Farmers’ Income through Agronomic Intervention Under Changing Scenario” held at MPUAT, Udaipur
2019	Best oral paper presentation award	Dr. Baldev Ram	National Seminar on Strategic Management of Production & PHT of garlic, onion & Potato (GOP) for Doubling Farmers Income in Changing Climatic Scenario held at KVK, Anta (Baran)

2019	Best article award	Dr. N. K. Meena	Agriculture and Food e-Newsletter published by Indosa Solutions, Balughat, West Bengal
2019	Best oral paper presentation	Dr. B. L. Nagar	National conference on Innovations in Plant and Animal Sciences for Sustainable Agriculture and Rural Development (IPASSARD- 2019) held at RARI, Jaipur

Best Teacher Award

Year	Name of Award	Recipient	Sponsored by
2016	Outstanding Contribution in Education and Research Award	Dr. G. L. Kashwa	Indian Society of Agronomy and ICAR New Delhi
2016	Shishak Shree Samman	Dr. I. B. Maurya	Rashtriya Samta Sawantrata Manch, Jaipur
2019	Best Teacher Award	Dr. Jitendra Singh	Indian Society of Horticultural and Research Development (ASHRD), Uttarakhand- India
2017	Excellence in Teaching Award	Dr. Ashutosh Mishra	Society for Scientific Development in Agriculture and Technology, Meerut (UP)
2019	Excellence in Teaching	Dr, P. S. Chauhan	Agro Environmental Development Society, UP- India
2019	Teacher's Excellence Award	Dr. M. K. Sharma	Dainik Bhaskar & Modi Group of Educational Institutes, Kota
2019	Second position in Poster Presentation Award	Dr. B. L. Nagar	NHRDF, New Delhi
2019	Second Position in Poster Presentation	Dr. D. L. Yadav	NHRDF, New Delhi

KVK Farmers

Year	Name of Award	Recipient	Sponsored by
2016	Jagjevan Ram Innovative Farmers Award	Sh. Hishan Suman,	Indian Council of Agricultural Research, New Delhi.
2016	Krashak Prerana Samman	Sh. Suman Patidar	Mahindra Samradhi Bhartiya Krashi Purshakar
2016	Krashak Samrat Samman	Sh. Om Prakash Patidar	Mahindra Samradhi Bhartiya Krashi Purshakar
2016	Krashak Samman	Sh. Prem Chand Patidar	Mahindra Samradhi Bhartiya Krashi Purshakar

2019	Padam Shri Award from Hon'ble President of India	Sh. Hukum Chand Patidar, KVK, Jhalawar	Government of India, New Delhi
2020	Innovative Agriculture in the category of "save water and rain water harvesting"	Sh. Shobhag Mal Meena, KVK, Bundi	Dhanuka Agritech Limited for Institution North Zone
2018	Jagjeevan Ram Abhinav Krishi Purushkar	Sh. Abney Hasan Tani Barod, KVK, Anta	ICAR, New Delhi

Others Awards

Year	Name of Award	Recipient	Sponsored by.
2016	Dhiru Morarji Memorial Award of FAI (Team Award)	Dr. J. P. Tetarwal	FAI, New Delhi
2016	Reviewer Excellence Award	Dr. Jitendra Singh	Indian Journal of Agricultural Research & Legume Research- An International Journal.
2016	Dr. Rajendra Prasad Purshkar for Technical Book in Hindi on Agriculture and allied Sciences	Dr. Jitendra Singh	Indian Council of Agricultural Research, New Delhi
2018	Excellence in Forest Development Award	Dr. S. B. S. Pandey	Department of Forest, Government of Rajasthan, Jaipur
2019	Best Horticulturist Award	Dr. B. L. Nagar	RARI, SKNAU, Jobner

6.6.9.2 Accreditation report from ICAR / Other Agencies

Weather the university and its colleges were accredited by the ICAR and other agencies in the past?

Yes, the University and its constituent college i.e., College of Horticulture and Forestry, Jhalawar were accredited by the ICAR for the period of 5 years from March, 2016 to 31st March 2021.



Similarly, the Faculty of Forestry at College of Horticulture and Forestry was also accredited

by Indian Council of Forestry Research and Education for the period of five years from 22nd June 2017 to 21st June 2022.

What was the recommendation of the accreditation agencies? Whether the University has taken the action and submitted to reply the accreditation agencies? Provide the detailed action taken report for each observation.

Yes, the point wise action taken report on recommendation / observation of last ICAR-PRT has been submitted vide letter No. F. AUK/Kota/2019/10631-32 dated 07.12.2019.

The copy of the Action Taken Report is appended as Annexure XXIV for ready reference;

6.6.9.3 Inter Institutional Standing

The Agriculture University, Kota has been ranked 49th, 39th, 23rd and 52nd amongst Agricultural Universities of India by ICAR, New Delhi for the year of 2017, 2018, 2019 and 2020 respectively. Amongst the Agriculture Universities of Rajasthan, the Agriculture University, Kota stood 2nd and 1st in the year of 2017 and 2018, respectively.

6.6.9.4 Socio-economic Impact

- Development of varieties and quality seed production:**

Soybean, urdbean, chickpea, coriander and mustard are important crops grown under the university service area. Concerted efforts were made to develop short duration crops and multiple biotic and abiotic stress resistant varieties of the major crops of the area. The crop wise varieties developed are:

Name of Crop	Varieties	CVRC / SVRC No.
Soybean	Kota Soya 1	S.O. 1379 (E) dated 27.03.2018
Urdbean	Mukundra Urd 2	S.O. 1379 (E) dated 27.03.2018
	Mukundra Urd 3	
	Kota Urd 4	
Lentil	Kota Masoor 1	S.O. 399 (E) dated 24.01.2018
	Kota Masoor 2	S. O. 1379 (E) dated 27.03.2018
	Kota Masoor 3	
	Kota Masoor 4	
Rajmash	Kota Rajmash 1	S. O. 1379 (E) dated 27.03.2018
Field pea	Kota Matar 1	
Chickpea	Kota Desi Chana-1	
	Kota Kabuli Chana-1	
	Kota Kabuli Chana-2	
Linseed	Kota Barani Alsi 5	
	Kota Barani Alsi 6	
	Kota Alsi 6	

The Agriculture University, Kota has its own identity in quality seed production in the country. Quality seed of different crops namely soybean, paddy, urdbean, mungbean, wheat, gram,

coriander, fenugreek, pea, linseed and mustard were produced at different university farms. In all a total 55980 q seed of different crop varieties was produced during last five years. This seed has been made available to different government agencies, NGOs and farmers. The availability of quality seed in such huge quantity made a significant impact on productivity of different crops in the area.

Details of year wise seed production (q)

Year	Breeder Seed	Other seed	Total
2015-16	4870	4440	9310
2016-17	8412	5973	14385
2017-18	8803	4866	13669
2018-19	8515	5293	13808
2019-20	6947	7278	14225
Total	37547	27850	65397

- **Technologies Developed:**

The university is engaged in development of production technologies of different important crops like soybean, urdbean, moongbean, paddy, maize, wheat, chickpea, lentils field pea, mustard, linseed, coriander, fruits, vegetables and protected cultivation on different aspects like; water management, cropping system, integrated nutrient and weed management, plant protection, etc. The technologies generated are included in the package of practices through ZREAC. The farmers are using the technology developed by the university and taking benefit in terms of increasing production and productivity of different crops. For example-

- **Introduction of protected cultivation of fruits, vegetables and flowers:** The constituent college of this university i.e. College of Horticulture and Forestry, Jhalawar is pioneer in the establishment protected cultivation unit and providing the training to the farmers and rural youth. As a result, the farmers of the region have established polyhouse and adopt the PoP for growing vegetables and raising vegetable seedings and earning good benefit. About 100 farmers of the region have established different sizes of polyhouses with total covering of 2.0 lakh sq. m. area and they are earning average Rs 0.75 to 1.0 lakh/ 1000 sq. m. depending of the size of polyhouse.
- **Introduction of Strawberry cultivation:** Strawberry cultivation was introduced as a new crop in the region by the university with the recommendation of the production technology. The strawberry cultivation is now quite popular since last two years as a intercrop with the mandarin orchards.

Rural youth vocation and skill development training

A total of 113 vocational trainings for rural youth were conducted on different aspects such as nursery management, gardener, poly house repairing, mushroom cultivation, dairy & Poultry, vermi-compost, bee keeping, etc. during this period benefitting 2794 unemployed rural youths. Similarly, 66 skill development trainings were conducted under ASCI program benefitting

1542 participants. Out of which about 160 entrepreneurs and 80 master trainers have started their own enterprises.

- **Students outreach as massanger of transformation:**

Students work as massager for dissemination of latest technologies among the farmers through RAWE programme and help in socio-economic development through programme like Swachata Abhiyan, *Beti Bachhao, Beti Padhao*, Environment Day, plantation programme etc.

During last five years the number of students visited different villages are:

S. No.	Year	Horticulture Faculty	Forestry Faculty	Total
1	2016-17	38	11	49
2	2017-18	40	11	51
3	2018-19	48	15	63
4	2019-20	51	29	80
5	2020-21	53	24	77

- **Village adoption :**

The university has adopted villages Choumakot and Aawa and continuous efforts have been made for its development into a smart village. The development work like renovation of community pond, construction of roads, upgradation of the village school, etc have been done with the co-ordination of various state department.

- **Promotion of Farmer Producer Organization (FPO) :**

An FPO namely Kurel Kisan Producer Company Ltd., village Jakhana has been promoted by KVK, bundi with the financial support of NABARD. The FPO is having 805 members. and working in the trading of fertilizer, seed, pesticides, animal feed, milk products, etc. with a turnover of Rs. 1.47 Crores. The FPO was awarded by Hon'ble Chief Minister of the state.

- **Entrepreneurs developed :**

1. During last five years 160 youths who were skilled trained by the university, have started their own industry/ enterprise/ business on different aspects. There are many success stories of entrepreneurship and have socio economic impact
2. Mr. Gaurav Dangi from village - Salotiya, Panchayat Samiti - Sunel, District – Jhalawar established a company namely '**Green Uday Construction Hardware**'. In this company total 20 unemployed youths are working trained by KVK, Jhalawar in the trainings entitled "Repair and Maintenance of Poly house, Shade net and Drip Irrigation System" with the financial assistant of NABARD. The average income of each worker is about Rs. 1200 per day, they are providing their services in Rajasthan, Madhya Pradesh and Gujarat.

3. Sh. Indarraaj Jat, Village- Tigariya, Tehsil-Chomu, District - Jaipur after completing his degree programme started his own business on organic farming area with a unit of vermicomposting. Thereafter, he started roof top farming of vegetables in his business he established a firm “**Reliable Group of Companies**” which includes more than 1000 farming beneficiaries using inputs and technical knowhow provided by his firm. He extended his business in agro tourism where a visitor can see the technologies, experience recreation and purchase organically produced farm produces. The total out turn of his firm is around 30.0 lakh on annual basis.
4. Sh. Vikram Singh Hada, soya paneer entrepreneur develop through this university was recognized by National Films Development Corporation (NFDC). His success story was selected by GOI for making a short film. Presently the film is available at www.youtube.com name "Success Story of Soya".

6.6.9.5 International Collaboration

- Nil -

6.6.9.6 Fund raising through CSR

In all about 350 lakhs fund was raised from different cooperate groups, private companies, banks and other entities in terms of sponsorship testing charges and other services rendered.

6.6.9.7 Alumni Support

An Alumni Association has been established at the College of Horticulture and Forestry, Jhalawar and has been registered. Two alumni meets have been conducted at the college. However, no financial assistance has been received from any of the alumni.

6.6.10 Certificate

Certificate

I, the Registrar of the Agriculture University, Kota hereby certify that the information contained in the sections 6.4, 6.5 and 6.6.1 to 6.6.9.7 are furnished as per the records available in the University

Kota


Signature of Registrar
With date and seal

**Action Taken report of 3rd Academic Council meeting held on 07.07.2015 at
Agriculture University, Kota**



Agenda Item No.	Particulars	Action taken
AUK/AC-3/2015-1/01	To confirm the minutes of second Academic Council held on 02.09.2014	Confirmed
AUK/AC-3/2015-1/02	To report the action taken on the minutes of second meeting of Academic Council meeting held on 02.09.2014	Reported
AUK/AC-3/2015-1/03	Approval of fee structure of different UG and PG degree programme running at CH&F, Jhalawar.	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1515-23 dated 20.07.15
AUK/AC-3/2015-1/04	Approval of Academic calendar, CH&F, Jhalawar, for the session 2015-16	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1524-32 dated 20.07.15
AUK/AC-3/2015-1/05	Increase the number of seats in various degree programmes	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1533-41 dated 20.07.15
AUK/AC-3/2015-1/06	To approve the M. Sc. Forestry degree programme at CH&F, Jhalawar.	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1542-50 dated 20.07.15
AUK/AC-3/2015-1/07	Approval of draft of "College Prospectus -2015-16"	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1551-59 dated 20.07.15
AUK/AC-3/2015-1/08	Approval of central evaluation system and fixing of remuneration for various activities during evaluation	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1560-68 dated 20.07.15
AUK/AC-3/2015-1/09	Approval of course curriculum of UG degree programme (B.Sc. (Ag.) Hons.) running in Govt. PG College, Sawai Madhopur.	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1569-77 dated 20.07.15
AUK/AC-3/2015-1/10	Approval of existing examination pattern of AU, Kota in Govt. PG College, Sawai Madhopur.	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1578-86 dated 20.07.15
AUK/AC-3/2015-1/11	Approval of proposed remuneration for various examination works	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1587-95 dated 20.07.15
AUK/AC-3/2015-1/12	Approval of evaluation of practical examination of external examiner	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1596-1604 dated 20.07.15

AUK/AC-3/2015-1/13	To approve the qualification for the post of Assistant Professor (Economics and Horticulture Business Management)	Deferred to next meeting
AUK/AC-3/2015-1/14	To approve the honorarium for thesis evaluation	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1802-13 dated 20.07.15
AUK/AC-3/2015-1/15	Any other agenda item with the permission of Chairman (a) To approve the remuneration for various examination works of Agriculture wing Govt. PG College, Sawai Madhopur submitted by COE (b) Implementation of dress code for students of CH&E Jhalawar submitted by Director of Students Welfare, AU Kota (c) Selection procedure and other modalities for finalization of best student of the year submitted by DSW	Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1814-22 dated 20.07.15 Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1823-31 dated 20.07.15 Notification issued vide Director Education letter No. F () /DOE/AU/Kota/2015/1832-40 dated 20.07.15

**Action Taken report of 4th Academic Committee meeting held on
26.02.2016 at Agriculture University, Kota (Rajasthan)**

Agenda Item No.	Particulars	Action Taken
AUK/AC-4/2016-1/01	To confirm the minutes of 4 th Academic Council meeting held on 26.02.2016	Confirmed
AUK/AC-4/2016-1/02	To report the Action Taken on the minutes of 4 th Academic Council meeting held on 26.02.2016	Reported
AUK/AC-4/2016-1/03	To decide panel of experts of various subjects	Notification issued vide Director Education letter No. AUK/2016/150-60 dated 04/13.04.2016
AUK/AC-4/2016-1/04	To decide qualification for the post of Assistant Professor, Seed Technology and Assistant Professor, Microbiology	Notification issued vide Director Education letter No. AUK/2016/161-71 dated 04/13.04.2016
AUK/AC-4/2016-1/05	To finalized the score card for direct recruitment of post of Assistant Professor / Associate Professor / Professor and also for CAS	Notification issued vide Director Education letter No. AUK/2016/172-82 dated 04/13.04.2016
AUK/AC-4/2016-1/06	To decide the ratio to call the candidate for interview for the teaching post	Notification issued vide Director Education letter No. AUK/2016/183-93 dated 04/13.04.2016
AUK/AC-4/2016-1/07	Approval of specifications for awarding degree to UG and PG degree programmes.	Notification issued vide Director Education letter No. AUK/2016/194-204 dated 04/13.04.2016
AUK/AC-4/2016-1/08	Approval of specifications for Certificate of Merit for UG and PG degree programmes.	Notification issued vide Director Education letter No. AUK/2016/205-216 dated 04/13.04.2016
AUK/AC-4/2016-1/09	Finalization of dress code for convocation.	Notification issued vide Director Education letter No. AUK/2016/217-228 dated 04/13.04.2016
AUK/AC-4/2016-1/10	Approval of remuneration to teaching staff in final theory examination.	Notification issued vide Director Education letter No. AUK/2016/229-238 dated 04/13.04.2016
AUK/AC-4/2016-1/11	Approval to guide M.Sc/ M. Tech/ Ph. D students of related subjects in other Universities to by the scantiest of AU, Kota.	Notification issued vide Director Education letter No. AUK/2016/239-249 dated 04/13.04.2016
AUK/AC-4/2016-1/12	Any other agenda item with the permission of chair.	Notification issued vide Director Education letter No. AUK/2016/250-260 dated 04/13.04.2016
	(a) Approval of specification of gold medal	
	(a) Conduction of rural awareness and work experience (RAWES) training programme to the student of private universities / institutions	
	(c) to decide the date of convocation to be organized by the university	

ACTION TAKEN REPORT ON 5TH ACADEMIC COUNCIL MEETING HELD ON 4TH JUNE 2016 AT 10.30 AM IN THE MEETING HALL, ADMINISTRATIVE OFFICE OF AGRICULTURE UNIVERSITY, KOTA (RAJASTHAN).

Agenda Item No.	Particulars	Action Taken																		
Auk/ac-5/2016-02/i	To confirm the minutes of 4 th Academic Council meeting held on 26.02.2016 Resolved to confirm , the minutes of 5 th June, 2016 Academic Council meeting held on 26.02.2016. The agenda items no. AUK/AC-4/2016-1/04 dated 26.02.2016 was also discussed and suggestion made by Dr. Abbey , Kumar Vyas Eminent Agriculturist and members of Academic Council with regard of qualification for the post of Assistant Professor Microbiology. It was also discussed and resolved to approve with, with minor changes made in the qualification which are as under: 1. For the post of Assistant Professor (Microbiology), the Biotechnology with specialization in Microbiology will be considered in place of Biotechnology along with other qualification as already approved. Action : Director, HRD	Confirmed																		
AUK/AC-5/2016-02/ii	To report action taken on the minutes of 4 th Academic Council meeting held on 26.02.2016 Resolved to approve	Confirmed																		
AUK/AC-5/2016/02/01	Approval to Exempt fee for Orphan, Deaf & Dumb and BPL students admitted in College of Horticulture and Forestry, Jhalawan , (Agriculture University, Kota) Resolved to approve , that the students admitted under the category of orphan, deaf and dumb will get full exemption in tuition fee, developmental fee and hostel fee. The same will also be applicable to students belonging to BPL category; however, students registered under BPL category on payment seat will not get any kind exemption in fee. Action : Controller of Examination	Notification issued vide No.F/AUK/COE /JWR/2016 /322-333 dated 2/07/2016																		
AUK/AC-5/2016-02/02	Approval of incentive to the student in terms of marks on the basis of attendance Approval of, that the student will get incentive of maximum 5 marks on the basis of attendance which are as under <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>S.NO.</th> <th>Attendance Percentage</th> <th>Incentive in terms of marks</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>75 to 80%</td> <td>01</td> </tr> <tr> <td>2</td> <td>More than 80 to 85</td> <td>02</td> </tr> <tr> <td>3</td> <td>More than 85 to 90</td> <td>03</td> </tr> <tr> <td>4</td> <td>More than 90 to 95</td> <td>04</td> </tr> <tr> <td>5</td> <td>More than 95 to 100</td> <td>05</td> </tr> </tbody> </table> Action : Dean, CH&F, Jhalawar AU, Kota	S.NO.	Attendance Percentage	Incentive in terms of marks	1	75 to 80%	01	2	More than 80 to 85	02	3	More than 85 to 90	03	4	More than 90 to 95	04	5	More than 95 to 100	05	Notification issued vide No.CHF/Gen/JWR/2016/4582-94 dated 22/7/16
S.NO.	Attendance Percentage	Incentive in terms of marks																		
1	75 to 80%	01																		
2	More than 80 to 85	02																		
3	More than 85 to 90	03																		
4	More than 90 to 95	04																		
5	More than 95 to 100	05																		
AUK/AC-5/2016-02/03	Approval of attendance rules. Resolved to approve , that the minimum requirement of attendance shall be 75 per cent in each course(s) including NCC and NSO. The provision to condone 10 per cent attendance by HVC shall not be permitted, this will also be applicable to old students. Action : Dean, CH&F, Jhalawar AU, Kota	No.CHF/Gen/JWR/2016/4595-4606 dated 22/7/16																		
AUK/AC-5/2016-02/04	Approval of fee structure different UG and PG degree programme running at CH&F, Jhalawar from academic session 2016-17. Action : Dean, CH&F, Jhalawar AU, Kota	No.CHF/Gen/JWR/2016/4459-67 dated 25/6/16																		
AUK/AC-5/2016-02/05	Approval of academic calendar of AU, Kota for the session 2016-17 Resolved to approve , the academic calendar of 2016-17 submitted by Dean, CH&F, Jhalawar the detail of academic calendar is enclosed in (Page No.5)	CHF/Gen/JWR/2016 /4468-76 dated 25/6/16																		

	Action: Dean, CH&F, Jhalawar AU, Kota	
AUK/AC-5/2016-02/06	To start Ph.D. programme in fruit science department from 2 semester of academic session 2016-17 Resolved to approve , that Ph.D. programme in fruit science with intake of 3 students out of which one will be of payment seat. The fee for payment seat will be Rs. 30000/- per semester in addition to normal fee. The Ph.D. programme will commence from 2 nd semester Academic Session 2016-17 Action: Director Education The Dean, CH&F, Jhalawar will submit the detailed procedure of admission along with format/documents. The course curricula after finalization by the course committee and subsequently by Board of Studies, along with other rules and regulation will be submitted within four months to start the Ph.D. programme from January 2017 Action: Dean, CH&F, Jhalawar AU, Kota	No. F/AUK/AC/2016/3021-31 dated 8/7/16
AUK/AC-5/2016-02/07	To start one year Nursery Management Certificate courses for rural youth at CH&F, Jhalawar Resolved to approve , With remark that similar projects will also be prepared and submitted by the Director Research & Director of Extension Education to the university. The possibility may be explored for funding from the Ministry of Skill Development and Entrepreneurship (MSDE), New Delhi, GOI. Action: Dean, CH&F, Jhalawar, Director Research & Director of Extension Education	No. CHF/Gen/JWR/2016/4607-18 dated 22/7/2016
AUK/AC-5/2016-02/08	Approval of colour for cover page of thesis of M.Sc. Forestry Resolved to approve , the light green colour of cover page of thesis for M.Sc. (Forestry) Action: Director Education	No. F/AUK/AC/2016/3032-42 dated 8/7/16
AUK/AC-5/2016-02/09	Approval of Hindi nomenclature of department of college and degree programme awarded by AU, Kota Resolved to approve , that the Hindi nomenclature (Page No. 5A) Action: Director Education	No. F/AUK/AC/2016/4126-36 dated 12/7/16
AUK/AC-5/2016-02/10	Discontinuation of central evaluation of examination. Resolved to approve to discontinue the central evaluation system from academic session 2016-17 Vide proceeding issued by Governor of Rajasthan Secretariat officer letter No. B.(11) Rajbhawan/2015/3299 dated 18.06.2015 in which there was a relaxation to adopt central evaluation system in SAU's and technical universities. This will supersede all previous notification in this regard. Action: Controller of Examination	No. F/AUK/COE/JWR/2016/334-45 dated 02/07/16
Auk/ac-5/2016-02/11	Approval of format of degree certificate, transcript and merit certificate of undergraduate and postgraduate programme. Resolved to approve , the format of degree certificate, transcript and merit certificate of undergraduate and postgraduate programme with at least five security features. (Page No. 8 to 17)	No. F/AUK/COE/JWR/2016/381-392 dated 19/07/16
AUK/AC-5/2016-02/12	Approval of revised remuneration to teaching, non-teaching and supporting staff during final theory examination. Deferred to next meeting. The report of committee appointed by Hon.ble Governor of Rajasthan to decide the rate of remuneration for teaching, non-teaching an supporting staff during final theory examination will be taken into the consideration before making any change for remuneration. Action: Controller of Examination	No. F/AUK/COE/JWR/2016/346-357 dated 02/07/16
AUK/AC-5/2016-02/13	Approval of rules of affiliation of colleges/ fee and format. Resolved to approve . Action: Registrar AU	No. F/AUK/AC/2016/4865-75 dated 23/7/16
AUK/AC-5/2016-	Approval of specification and criteria for awarding UG and PG Gold Medal	No. F/AUK/COE/JWR/2016/358-369

02/14	<p>Resolved to approve, with the following modification</p> <p>A. The weight of Gold Medal will be 20-25 g.</p> <p>B. In case of tie the medal shall be awarded by considering the date of birth. The medal will be awarded to the candidate who is younger.</p> <p>C. A minimum of three students in class are required for award of medal.</p> <p>The details are given in Page No. 18 Action: Controller of Examination</p>	dated 02/07/16
AUK/AC-5/2016-02/15	<p>Approval of UG & PG rules of examination. Deferred to next meeting with the remarks that Dean, CH&F, Jhalawar will prepare information Bulletin, PG studies regulation will be prepared by Director of Education assisted by Controller of Examination within a period of four months. Action: Director of Education</p>	Deferred
AUK/AC-5/2016-02/16	<p>Approval of qualification / eligibility criteria for the post of Assistant Professor or equivalent, Associate Professor or equivalent and Professor or equivalent. Resolved to approve, with the minor change. The candidate must secure 50 per cent marks each in academic score and interview. The details are given in Page No. 19to 21 Action: Registrar</p>	No. AUK/AC/ 2016/ 4763-73 dated 22/7/16
AUK/AC-5/2016-02/17	<p>Approval of score card for the post of Assistant Professor or equivalent, Associate Professor or equivalent and Professor or equivalent. Resolved to approve, with the some minor change. The details are given in Page No. 22 to 29 Action: Director HRD</p>	No. AUK/AC/2016/ 4698-4708 dated 22/7/16
AUK/AC-05/2016-02/18	<p>Approval of application form for the post of Assistant Professor or equivalent, Associate Professor or equivalent and Professor or equivalent. Resolved to approve, The details are given in Page No. 30 to 45 Action: Director HRD</p>	No. AUK/AC/ 2016/ 4709-19 dated 22/7/16
AUK/AC-05/2016-02/19	<p>Approval of proforma for considering cases under career Advancement Scheme (PBAS) and score card for Assistant Professor Stage II to Assistant Professor III Resolved to approve, with minor changes. The detail are given in Page No. 48 to 55 Action: Director HRD</p>	No. AUK/AC/ 2016/ 4720-29 Dated 22/7/16
AUK/AC-05/2016-02/20	<p>Approval of proforma for considering cases under career Advancement Scheme (PBAS). Resolved to approve, with minor changes. The detail are given in Page No. 56 to 59 Action: Director HRD</p>	No. AUK/AC/2016/ 4730-40 dated 22/7/16
AUK/AC-05/2016-02/21	<p>Approval of proforma for considering cases under career Advancement Scheme (PBAS). Resolved to approve, with minor changes. The detail are given in Page No. 60 to 63 Action: Director HRD</p>	No. AUK/AC/2016/4741-51 dated 22/7/16
AUK/AC-05/2016-02/22	<p>Approval of proforma for Annual Self Annual Report for Teachers. Resolved to approve. The detail are given in Page No. 64 to 74 Action: Director HRD</p>	No. AUK/AC/2016/ 4774-84 dated 22/7/16
AUK/AC-05/2016-02/23	<p>Approval of proforma for Annual Self Annual Report for officers Resolved to approve. The detail are given in Page No. 75 to 81 Action: Director HRD</p>	No. AUK/AC/2016/ 4785-95 dated 22/7/16
AUK/AC-05/2016-02/24	<p>Approval of proforma for Annual Self Annual Report for other than teachers and officers. Resolved to approve, The detail are given in Page No. 82 to 84 Action: Director HRD</p>	No. AUK/AC/ 2016/ 4796-4806 dated 22/7/16

<p>AUK/AC-05/2016-02/23</p>	<p>Any other agenda with the permission of chair.</p> <p>(A) Approval of fee and guidelines for candidate for showing answer books of theory and practical examination.</p> <p>Resolved to approve, the guidelines for candidate for showing answer books of theory and practical examination will be on payment of Rs. 1000/- each, however the information required under RTI shall be as per rules of RTI- 2005</p> <p>The detail are given Page No. 85 to 86</p> <p>Action: Controller of Examination</p> <p>(B) Approval of qualification for the post of Assistant Professor Agri-business Management</p> <p>Resolved to approve, The detail are given in Page No. 87</p> <p>Action: Director HRD</p>	<p>AUK/2016/4807-17 dated 22/7/16</p>
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AGENDA

AUK/AC-7/2017-01/02 : Action taken report of 6th Academic Council meeting held on 23.09.2016

Action taken report of 6th meeting of the Academic Council held on 23.09.2016 in the meeting hall of Agriculture Research Station Ummadganj, Kota is presented as under.

Agenda Item No.	Particulars	Action- taken																												
AUK/AC-6/2016-03/i	Confirmed the minutes of 5 th Academic Council Meeting held on 4 th June, 2016	Noted																												
AUK/AC-6/2016-3/ii	Noted the action taken on the minutes of 5 th Academic Council Meeting held on 4 th June, 2016	Noted																												
AUK/AC-6/2016-3/01	<p>To approve and pass the grace for awarding degrees to graduate of different faculties who have passed-out during academic session 2014-15 and 2015-16 in the 1st convocation of the university, scheduled to be held on 25th Sep, 2016</p> <p>The 164 candidate under the faculties of Horticulture Forestry and Agriculture, who have successfully completed all requirements for awarding graduate degrees during academic session 2014-15 and 2015-16 as per details given as under:</p> <table border="1"> <thead> <tr> <th rowspan="2">S. N.</th> <th rowspan="2">Name of Degree</th> <th colspan="3">Number of Candidate</th> </tr> <tr> <th>2014-15</th> <th>2015-16</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>B.Sc.(Horticulture) Honours</td> <td>40</td> <td>38</td> <td>78</td> </tr> <tr> <td>2.</td> <td>B.Sc.(Forestry) Honours</td> <td>14</td> <td>12</td> <td>26</td> </tr> <tr> <td>3.</td> <td>B.Sc.(Honours) Agriculture</td> <td>--</td> <td>60</td> <td>60</td> </tr> <tr> <td>4.</td> <td>Total</td> <td>54</td> <td>110</td> <td>164</td> </tr> </tbody> </table> <p>Faculty and year wise list of candidate is enclosed.</p> <p>Resolved to approve with remark that COE will ensure the name of students as per record strictly.</p>	S. N.	Name of Degree	Number of Candidate			2014-15	2015-16	Total	1.	B.Sc.(Horticulture) Honours	40	38	78	2.	B.Sc.(Forestry) Honours	14	12	26	3.	B.Sc.(Honours) Agriculture	--	60	60	4.	Total	54	110	164	Action taken by Controller of Examination, AU, Kota During 1 st convocation of the University was held on 25 th Sept., 2016
S. N.	Name of Degree			Number of Candidate																										
		2014-15	2015-16	Total																										
1.	B.Sc.(Horticulture) Honours	40	38	78																										
2.	B.Sc.(Forestry) Honours	14	12	26																										
3.	B.Sc.(Honours) Agriculture	--	60	60																										
4.	Total	54	110	164																										
AUK/AC-6/2016-3/02	<p>To approve the Gold Medals for awarding to the eligible meritorious student of all the faculties of the university for Graduate Degree Programme for the academic session 2014-15 and 2015-16 and conferring the same in the 1st Convocation of the University, scheduled to be held on 25th Sep, 2016.</p> <p>The following four Gold Medals will be awarded to the meritorious student in the faculty of Horticulture and Forestry for the academic session 2014-15 and 2015-16 as detailed below</p> <table border="1"> <thead> <tr> <th>S.N.</th> <th>Name</th> <th>Faculty</th> <th>Session</th> <th>OGPA</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Pushendra Singh</td> <td>Horticulture</td> <td>2014-15</td> <td>8.72</td> </tr> <tr> <td>2.</td> <td>Ms. Ankita Mantri</td> <td>Horticulture</td> <td>2015-16</td> <td>8.45</td> </tr> <tr> <td>3.</td> <td>Ms. Lad Dhakar</td> <td>Forestry</td> <td>2014-5</td> <td>7.66</td> </tr> <tr> <td>4.</td> <td>Mohit Husain</td> <td>Forestry</td> <td>2015-16</td> <td>8.45</td> </tr> </tbody> </table> <p>Resolved to approve</p>	S.N.	Name	Faculty	Session	OGPA	1.	Pushendra Singh	Horticulture	2014-15	8.72	2.	Ms. Ankita Mantri	Horticulture	2015-16	8.45	3.	Ms. Lad Dhakar	Forestry	2014-5	7.66	4.	Mohit Husain	Forestry	2015-16	8.45	Action taken by Controller of Examination, AU, Kota During 1 st convocation of the University was held on 25 th Sept., 2016			
S.N.	Name	Faculty	Session	OGPA																										
1.	Pushendra Singh	Horticulture	2014-15	8.72																										
2.	Ms. Ankita Mantri	Horticulture	2015-16	8.45																										
3.	Ms. Lad Dhakar	Forestry	2014-5	7.66																										
4.	Mohit Husain	Forestry	2015-16	8.45																										
AUK/AC-6/2016-3/03	<p>To approve and pass the grace for awarding degree to 14 Master's Degree holders, who have completed their requirements for passing the degree in the faculty of Horticulture, in the 1st Convocation of the University, scheduled to be held on 25 Sep, 2016</p> <p>The following 14 Master's degree in different discipline under the faculty of Horticulture, who have completed their requirements to award degree up to cut-off date 31st July, 2016 as detailed given below:</p>	Action taken by Controller of Examination, AU, Kota During 1 st convocation of the University was held on 25 th Sept., 2016																												

S. N.	Discipline	No. of Candidate
1.	M.Sc. (Horticulture) Fruit Science	03
2.	M.Sc. (Horticulture) Vegetable Science	04
3.	M.Sc. (Horticulture) Floriculture & Landscaping	06
4.	M.Sc. (Horticulture) Post Harvest Technology	01
Total		14

List of candidate is enclosed
Resolved to approve

AUK/AC-6/2016-3/04	<p>To approve the University Gold Medal for Master's Degree Programme in faculty of Horticulture for the year 2015 to be conferred in the 1st Convocation of the University, scheduled to be held 25th Sept. 2016. The details given as under, one Gold Medal for Master Degree in the discipline of Fruit Science in Horticulture in conferred.</p> <table border="1"> <thead> <tr> <th>S.N.</th> <th>Name</th> <th>Degree</th> <th>Session</th> <th>OGPA</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Ms. Indira Yadav</td> <td>M.Sc. (Horticulture) Fruit Science</td> <td>2014-15</td> <td>8.52</td> </tr> </tbody> </table> <p>Resolved to approve</p>	S.N.	Name	Degree	Session	OGPA	1.	Ms. Indira Yadav	M.Sc. (Horticulture) Fruit Science	2014-15	8.52	Action taken by Controller of Examination, AU, Kota During 1 st convocation of the University was held on 25 th Sept., 2016
S.N.	Name	Degree	Session	OGPA								
1.	Ms. Indira Yadav	M.Sc. (Horticulture) Fruit Science	2014-15	8.52								
AUK/AC-6/2016-3/05	<p>To approve the remuneration for secrecy work related to the office of Controller of Examinations. The following remuneration for outsource agency in order to carry out the work of tabulation register and preparation of grade report under secrecy is proposed till the appointment of the permanent staff in the COE office of AU, Kota</p> <p>Remuneration (per class/semester/checker)</p> <p>(i) Less than 40 students: Rs.600/- (ii) 40 to 80 students : Rs.800/- (iii) Above 80 students: Rs.1000/-</p> <p>Resolved to approve with the remark that COE will submit the basis/ justification to HVC for the remuneration amount as proposed.</p>	Notification issued vide letter no. F()/AUK/2016-17/10666-70 dated 21.12.16 by Comptroller, AU, Kota (Annexure - I)										
AUK/AC-6/2016-3/06	<p>Approval of the course programme for Ph.D. Horticulture in Fruit Science The course programme, semester wise distribution of courses, total credit load and course content for Ph.D. Horticulture in Fruit Science in accordance to PG rules & regulation of AU, Kota are proposed.</p> <p>Resolved to approve</p>	Notification issued vide letter no. /DE/AU/ Gen/ 2017/74-81 dated 10.01.17 by Director Education, AU, Kota (Annexure - II)										
AUK/AC-6/2016-3/07	<p>Approval of Admission criteria for Ph.D. Horticulture in Fruit science at CH&F, Jhalawar The admission in Ph.D. Horticulture (Fruit Science) by course work on merit cum interview basis by following specific criteria as per details given in the enclosed format is proposed. However, in case admission in Ph.D. programme is done by joint entrance examination in all SAU's the same will be followed in this university also.</p> <p>Resolved to approve with minor correction in the example quoted for calculation of percentage of marks in 4.0 point scale as given below-</p> <p>Existing - Percentage of Marks is = $\frac{90 \times 3.5}{4.0} = 78.75$ Corrected- Percentage of marks is = $\frac{90 \times 3.5}{4.0} = 78.75$</p>	The admission will be undertaken through joint entrance examination in all SAU's										
AUK/AC-6/2016-3/08	<p>Approval of selection committee for admission to Ph.D. programme in Horticulture (Fruit Science) The following selection committee is proposed for admission in Ph.D. (Horticulture) Fruit Science at CH&F, Jhalawar. Admission</p>	The admission will be undertaken through joint entrance examination in all SAU's										

	<p>will be carried out through merit cum interview basis.</p> <p>1. Faculty Chairman/ Concerned faculty Dean - Chairman 2. Head of the Department - Member 3. Director Education - Member 4. Vice-chancellor nominee - Member</p> <p>Resolved to approve</p>	
AUK/AC-6/2016-3/09	<p>Approval of Rules & Regulation of Post Graduation studies. The rules & regulation of Post Graduation Studies of AU, Kota have been enclosed of approval.</p> <p>Resolved to approve</p>	<p>The approved rules & regulations of PG studies AU, Kota is circulated vide letter no. CHF/FWR/ Gen/2016 /6608 dated 15.11.16 by Director Education, AU, Kota (Annexure-III)</p>
AUK/AC-6/2016-3/10	<p>Approval of constitution of Central and College student's union. The proposed constitution of student union of AU, Kota and its constituent colleges has been enclosed for approval.</p> <p>Resolved to confirm</p>	<p>Notification issued vide letter no. DSW/AU /CHF/2016/237-47 dated 26.02.16 by DSW, AU, Kota (Annexure IV)</p>
AUK/AC-6/2016-3/11	<p>To start regular sub centre of AICRP on Rapeseed and Mustard at Agriculture Research Station, Kota A regular sub centre of AICRP on Rapeseed & Mustard as provided by ICAR has been proposed to establish at Agricultural Research Station, Ummedganj, Kota</p> <p>Resolved to confirm</p>	<p>Notification issued vide letter no. DR/AUK/2016 /11461-80 dated 30.12.16 by Director Research, AU, Kota (Annexure V)</p>
AUK/AC-6/2016-3/12	<p>To approve the initiation of new voluntary centre of AICRP for Dry Land Agriculture at ARSS, Aklera. A new voluntary centre of AICRP on Dry Land Agriculture has been provided by CRIDA, Hyderabad and initiated at Agricultural Research Sub Station, Aklera.</p> <p>Resolved to confirm</p>	<p>Notification issued vide letter no. DR/AUK/2016 /11440-60 dated 30.12.16 by Director Research, AU, Kota (Annexure VI)</p>
AUK/AC-6/2016-3/13	<p>Approval of Honorarium/seating charges for external members invited for various committee/to deliver special lecture at AU, Kota and its units. Rs. 1000/- per meeting or day or lecture has been proposed in addition to actual travelling and dearness allowance to the external member. This will not applicable to the internal member of the committee</p> <p>Resolved to approve</p>	<p>Notification issued vide letter no. F(\)AUK /2016-17/ 10473-83 dated 14.12.16 by Comptroller, AU, Kota (Annexure VII)</p>
AUK/AC-6/2016-3/14	<p>Approval of the University "Kulgeet" A University "Kulgeet" has been prepared and recommended by the committee for approval. The protocol to be observed during playing of University "Kulgeet" will be as follows:</p> <ol style="list-style-type: none"> 1. It should be played at the beginning of the function (s) of units/College/ University 2. The movement be restricted among the audience during the play of the song 3. If the National anthem is required to be played at the beginning, the AU, Kota song will be played just after National Anthem 4. However, there is be no restriction on its playing during field activities as well as using in as ringtone. <p>Resolved to approve with the remark that text material of the song should synchronize with the composed song.</p>	<p>Notification issued vide letter no. F(\)AUK /2016/355-59 dated 07.01.2016 and CD of the "Kulgeet" is circulated in different unit of AU, Kota (Annexure VIII)</p>
AUK/AC-6/2016-3/15	<p>Approval of application from for the post of Assistant Professor or equivalent, Associate Professor or equivalent and Professor or equivalent for "ON-LINE" Application forms for the post of Assistant Professor or equivalent, Associate Professor or equivalent and Professor or equivalent were notified vide notification letter no. AUK</p>	<p>Notification issued vide letter no. F(\)AUK /HRD/2017/13101-11 dated 13.02.2017 by Director HRD, AU, Kota (Annexure IX)</p>

	<p>/2016/4709-19 dated 22.07.16. As the application for recruitment will be invited ON-LINE by advertising the different posts, it is proposed to modify/revise the application forms for the post of Assistant Professor or equivalent, Associate Professor or equivalent and Professor ad equivalent as per need.</p> <p>Resolved to approve</p>	
AUK/AC-6/2016-3/16	<p>To waive off the screening test for the post of programme Coordinator</p> <p>For the post of Programme Coordinator, candidate are eligible belonging to different disciplines like Agronomy, Horticulture, Animal Husbandry, Plant Protection, Home Science, Extension Education, Soil Science, Agricultural Engineering etc. It is difficult to short list the candidates by screening test as it require many question papers i.e. paper of each discipline for the post of programme Coordinator. Therefore, application received even more than 25; the same shall be short listed for interview on 1:3 ratio (already approved) per post per category on the basis of merit of marks obtained in score cards.</p> <p>Resolved to approve</p>	<p>Notification issued vide letter no. F(\)AUK/HRD/2017/12810-20 dated 06.02.2017 by Director HRD, AU, Kota (Annexure X)</p>
AUK/AC-6/2016-3/17	<p>Approval to make minor changes in the score card for the post of Assistant Professor, Associate Professor and Professor and equivalent proposed as below:</p> <ol style="list-style-type: none"> 1. The candidates securing minimum 50% marks of the total score shall be eligible for interview. Similarly, candidate must secure 50% marks separately in interview for selection. 2. The final selection shall be made based on the total marks obtained in score card and interview. 3. Besides, a minor changes in score card for the post of Assistant Professor/ Associate Professor/ Professor and equivalent as proposed by the committee may be approved (copy enclosed) <p>Resolved to approve</p>	<p>Notification issued vide letter no. F(\)AUK/HRD/2017/13086-96 dated 13.02.2017 by Director HRD, AU, Kota (Annexure XI)</p>
AUK/AC-6/2016-3/18	<p>As per approval by the Research Council it is purposed to revise the Soil & Water sample analysis rates.</p> <p>Resolved to approved as per list enclosed</p>	<p>Notification issued vide letter no. DR/AUK/2016/11363-81 dated 30.12.16 by Director Research, AU, Kota (Annexure XII)</p>
AUK/AC-6/2016-3/19	<p>It is purposed that, the need based research should be conducted by the <u>K.V.K. Sawai Madhopur</u> and Scientist of ARS, Kota jointly, till establishment of separate research station for the Zone <u>IIIb</u>.</p> <p>Resolved to approve</p>	<p>Notification issued vide letter no. DR/AUK/2016/11481-500 dated 30.12.16 by Director Research, AU, Kota (Annexure XIII)</p>
AUK/AC-6/2016-3/20	<p>Approval of MOU required to be signed between scientist of ICAR-Indian Institute of Soil & Water Conservation, Research Centre, Kota and Agriculture University, Kota for scientific and technical support.</p> <p>Resolved to approve</p>	<p>Notification issued vide letter no. DR/AUK/2016/11404-23 dated 30.12.16 by Director Research, AU, Kota (Annexure XIV)</p>

Director Education,
AU, Kota

AGENDA

AUK/AC-8/2017-01/02 : Action taken report of 7th Academic Council meeting held on 17.02.2017

Action taken report of 7th meeting of the Academic Council held on 17.02.2017 in the meeting hall of Agriculture Research Station Umedganj, Kota is presented as under.

Agenda Item No.	Particulars	Action- taken																					
AUK/AC-7/2017-1/01	To confirm the minutes of 6 th Academic Council held on 23-09-2016 Resolved to confirm the Minutes of 6 th Academic of Council meeting held on September 23 rd , 2016	Noted																					
AUK/AC-7/2017-1/02	Action taken report of 6 th Academic Council meeting held on 23-09-2016 Resolved to approve the action taken report of 6 th Academic Council held on September 23, 2016	Noted																					
AUK/AC-7/2017-1/03	Revision of the nomenclature of the degree programme running at CH&F, Jhalawar Resolved to approve the following proposed nomenclature of the undergraduate degree programme running at CH&F, Jhalawar in light of 5 th ICAR, Dean's Committee recommendations B. Sc. (Hons) Horticulture B. Sc. (Hons) Forestry Action : Dean, CH&F Jhalawar	Notification issued vide No. CH&F /JWR/ Academic/ 2017/ 185-91 dated 27.04.2017																					
AUK/AC-7/2017-1/04	Accreditation of the teachers for PG teaching and guiding Resolved to approve that the following teachers of AU, Kota are accredited for PG teaching and guiding	Notification issued vide No. CH&F /JWR/DE/ 2017/195-202 dated 27.04.2017																					
	<table border="1"> <thead> <tr> <th>Name and Designation</th> <th>Subject</th> <th>PG Code</th> </tr> </thead> <tbody> <tr> <td>Dr. S. K. Trivedi, Professor, AU, Kota</td> <td>Horticulture</td> <td>HORT-R-01-01</td> </tr> <tr> <td>Dr. Prahlad V. C., Asstt. Prof. CH&F, Jhalawar</td> <td>Forestry</td> <td>FORST-R-02-02</td> </tr> <tr> <td>Dr. Chturbhuj Meena, Asstt. Prof., CH&F, Jhalawar</td> <td>Plant Pathology</td> <td>PATHO-R-02-04</td> </tr> <tr> <td>Dr. S. K. Jain, Professor, CH&F, Jhalawar</td> <td>Post Harvest Technology</td> <td>HORT(PHT)-R-04-05</td> </tr> <tr> <td>Dr. M. C. Jain, Professor, CH&F, Jhalawar</td> <td>Fruit Science</td> <td>HORT(FS)-R-04-06</td> </tr> <tr> <td>Dr. Jitendra Singh, Professor, CH&F, Jhalawar</td> <td>Fruit Science</td> <td>HORT(FS)-R-04-07</td> </tr> </tbody> </table>	Name and Designation	Subject	PG Code	Dr. S. K. Trivedi, Professor, AU, Kota	Horticulture	HORT-R-01-01	Dr. Prahlad V. C., Asstt. Prof. CH&F, Jhalawar	Forestry	FORST-R-02-02	Dr. Chturbhuj Meena, Asstt. Prof., CH&F, Jhalawar	Plant Pathology	PATHO-R-02-04	Dr. S. K. Jain, Professor, CH&F, Jhalawar	Post Harvest Technology	HORT(PHT)-R-04-05	Dr. M. C. Jain, Professor, CH&F, Jhalawar	Fruit Science	HORT(FS)-R-04-06	Dr. Jitendra Singh, Professor, CH&F, Jhalawar	Fruit Science	HORT(FS)-R-04-07	
Name and Designation	Subject	PG Code																					
Dr. S. K. Trivedi, Professor, AU, Kota	Horticulture	HORT-R-01-01																					
Dr. Prahlad V. C., Asstt. Prof. CH&F, Jhalawar	Forestry	FORST-R-02-02																					
Dr. Chturbhuj Meena, Asstt. Prof., CH&F, Jhalawar	Plant Pathology	PATHO-R-02-04																					
Dr. S. K. Jain, Professor, CH&F, Jhalawar	Post Harvest Technology	HORT(PHT)-R-04-05																					
Dr. M. C. Jain, Professor, CH&F, Jhalawar	Fruit Science	HORT(FS)-R-04-06																					
Dr. Jitendra Singh, Professor, CH&F, Jhalawar	Fruit Science	HORT(FS)-R-04-07																					

	Dr. Prerek Bhatnagar, Asstt.Prof., CH&F, Jhalawar	Fruit Science	HORT(FS)-R-04-08	
	Dr. Ashutosh Mishra, Professor, CH&F, Jhalawar	Floriculture & Landscaping	HORT(FLS)-R-04-09	
	Dr. S. K. Moond, Asstt. Prof., CH&F, Jhalawar	Floriculture & Landscaping	HORT(FLS)-R-04-10	
	Dr. Bhim Singh, Asstt. Prof., CH&F, Jhalawar	Agril. Statistics	STAT-R-02-11	
	Dr. Manoj Kumar Sharma, Asstt. Prof., CH&F, Jhalawar	Soil Science	SS-R-03-13	
	Dr. S. B. S. Pandey, Asstt. Prof. CH&F, Jhalawar	Forestry	FORST-R-02-14	
	Dr. Navab Singh, Asstt. Prof., CH&F, Jhalawar	Extension education	EXTN-R-02-15	
	Dr. C. K. Arya, Asstt. Prof., CH&F, Jhalawar	Agril. Engineering	AENGG-R-02-16	
	Dr. Subhash Aswal, Asstt. Prof., KVK, Anta	Soil Science	SS-R-01-17	
	Dr. Kamal Chand Meena, Asstt. Prof., KVK, Anta	Extension Education	EXTN-R-01-18	
	Dr. Devendra Kumar Singh, Professor, KVK, Anta	Fruit Science	HORT(FS)-R-01-19	
	Dr. I. B. Maurya, Professor, CH&F, Jhalawar	Veg. Science	HORT(VS) -R-04-20	
	Dr. (Mrs.) Kavita, A., Asstt. Prof. CH&F, Jhalawar	Veg. Science	HORT (VS)-R-04-21	
	Dr. P. S. Chauhan, Asstt. Prof., CH&F, Jhalawar	Forestry	FORST-R-02-22	
	Dr. L. K. Dashora, Professor, CH&F, Jhalawar	Fruit Science	HORT(FS)-R-04-23	
	Dr. Ashok Kumar, Asstt. Prof., CH&F, Jhalawar	Biotechnology	BT-R-02-24	
	Action : Director Education			
AUK/AC-07/2017-05	Creation of new Department of "Wildlife Management" in the faculty of Forestry.			Notification issued vide No. CH&F /JWR/ Academic/ 2017/ 170-77 dated 27.04.2017
	Resolved to approve to create new "Department of Wildlife Management" under the faculty of Forestry at CH&F, Jhalawar.			
	Action : Dean and Faculty Chairman, CH&F Jhalawar			
AUK/AC-7/2017-1/06	Declaration of UG degree in Agriculture and allied subjects as professional degree course in reference to ICAR letter No. Edu./13/1/16-HRD/6 th Oct., 2016			F. () AU/Kota /2017 /822-33 dated 29.04.2017

	<p>Resolved to approve the following degree programmes running in the Agriculture University, Kota as professional degree course in the light of ICAR letter No. Edu/13/1/16-HRD 6th Oct, 2016 :</p> <p>B.Sc. (Hons) Agriculture B.Sc. (Hons) Horticulture B.Sc. (Hons) Forestry</p> <p>Action : Registrar, AU Kota</p>	
AUK/AC-7/2017-1/07	<p>To decide the qualification and selection criteria for recruitment of non-teaching posts such as Asstt. Registrar, Asstt. Agri. Officer, Agriculture Supervisor, Lab Assistant, Technical Assistant, LDC, UDC, Drivers etc. in the university</p> <p>Resolved to approve that the qualifications and selection criteria for recruitment of different non-teaching posts up to grade pay of Rs. 3600/- will be as per existing rules of State Government/RPSC/ Rajasthan Subordinate and Ministerial Service Selection Board.</p> <p>The qualifications and selection criteria of rest of the non teaching posts will be in accordance to the already approved by the BOM of the University and may be amended according to Govt. rules as amended from time to time. It was further discussed and resolved that the recruitment of non-teaching posts upto grade pay of Rs. 3600/- may be got done by Rajasthan Subordinate and Ministerial Service Selection Board as per roster provided by the University. If the Rajasthan Subordinate and Ministerial Service Selection Board is not able to make the recruitment for a particular post, the same will be done by the University.</p> <p>Action : Registrar, AU Kota</p>	Notification issued vide No. AU/Kota/2017/978-88 dated 03.05.2017
AUK/AC-7/2017-01/08	<p>To decide the qualification and selection criteria for the post of Horticulture Assistant at CH&F, Jhalawar</p> <p>Resolved to approve that the post of Horticulture Assistant is treated as equal to the Agriculture Supervisor in the university. The qualifications and selection criteria will be the same as of Agriculture Supervisor.</p> <p>Action : Registrar, AU Kota</p>	F. () AU/Kota /2017 /801-11 dated 28.04.2017
AUK/AC-7/2017-01/09	<p>Approval of ICAR nominee to act as a member of selection committee for the post of Assistant Professor in Computer Science and Agricultural Engineering</p> <p>Resolved to approve that the ICAR nominee, nominated by the ICAR, New Delhi for selection of University teachers will also act as member of selection committee for recruitment of teaching posts of Computer Science and Agricultural</p>	F. () AU/Kota /2017 /812-21 dated 29.04.2017

	Engineering disciplines as no Ag. Engineering faculty exists in the University. Action : Registrar, AU Kota	
AUK/AC-7/2017-1/10	Approval of University flag Resolved to approve the University flag with the following parameters: Colour of the flag - light green in satin cloth Location of university monogram - Centrally located around 25 per cent area of the flag Ratio of width to length - 2:3 Action : Director Student Welfare, AU, Kota	Notification issued vide No. DSW/ AU /CHF-2017/ 264-70 dated 26.04.2017
AUK/AC-7/2017-1/11	Approval of the advertisement for recruitment, eligibility criteria and revised score card for the post of Assistant professor or equivalent, Associate Professor or equivalent and Professor or equivalent Resolved to approve with the following suggestions and corrections: 1. The number of posts in the advertisement may be changed in accordance to final roster of reservation in each category of the post. 2. The existing online application form of each category of the post will be modified in accordance to revised score card. 3. The present guidance/score card of candidates is applicable only for direct recruitment. However for evaluating candidate, under CAS, the score card for assessment will be submitted in next Academic Council separately. 4. A few corrections/changes as discussed in meeting of Academic Council will be incorporated in the required documents. The corrected copy of above documents will be circulated with the notification. Action : Director, HRD	Notification issued vide No. AUK/ HRD/ 2017/ 964-74 dated 03.05.2017
	Table Agenda	
AUK/AC-7/2017-1/12	Consideration of Agriculture/Horticulture graduates for admission in M.Sc. forestry degree programme at CH&F, Jhalawar Resolved to approve that if B. Sc. Forestry (four years programme) / B. Sc. (Hons.) forestry candidates are not available through Pre-PG examination conducted by SAUs, the B.Sc. (Hons.) Agriculture/B.Sc. (Hons.) Horticulture will be considered for seeking admission in M.Sc. Forestry. The admission on vacant seats shall be done by University, CH&F	Notification issued vide No. CH&F /JWR /Academic/ 2017/178-84 dated 27.04.2017

	after finalization of M.Sc. admission through Pre-PG through advertisement as per merit of Pre-PG test category wise. Action : Dean, CH&F Jhalawar																									
AUK/AC-7/2017-1/13	Revision of DA/sports kits/allowances for the students and games officials/coaches Resolved to approve the following rates for DA/sports kits/allowances for the students and games officials/coaches. <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Particulars</th> <th>Approved Rates (Rs.)</th> </tr> </thead> <tbody> <tr> <td></td> <td>D.A. during Inter University participation and journey period for player</td> <td>250/- per day per head</td> </tr> <tr> <td></td> <td>Refreshment allowances to players and officials during Inter University participation</td> <td>50/- per head per session</td> </tr> <tr> <td></td> <td>Kit money for Inter University participation to players, managers and coaches</td> <td>1200/- per head</td> </tr> <tr> <td></td> <td>Refreshment allowances to players during college level games</td> <td>20/- per head to players of final match</td> </tr> <tr> <td></td> <td>Honorarium to officials/coaches during coaching camps, officiating in matches and selection trails</td> <td>300/- per session per head</td> </tr> <tr> <td></td> <td>Conveyance charges to officials/coaches during coaching camps, officiating in matches and selection trails</td> <td>50/- per session per head</td> </tr> <tr> <td></td> <td>Medical assistance to players/managers/ coaches during coaching camps, selection trails and Intercollegiate and Interuniversity Participation</td> <td>Actual as required</td> </tr> </tbody> </table> Action : Comptroller, AU, Kota	Sr. No.	Particulars	Approved Rates (Rs.)		D.A. during Inter University participation and journey period for player	250/- per day per head		Refreshment allowances to players and officials during Inter University participation	50/- per head per session		Kit money for Inter University participation to players, managers and coaches	1200/- per head		Refreshment allowances to players during college level games	20/- per head to players of final match		Honorarium to officials/coaches during coaching camps, officiating in matches and selection trails	300/- per session per head		Conveyance charges to officials/coaches during coaching camps, officiating in matches and selection trails	50/- per session per head		Medical assistance to players/managers/ coaches during coaching camps, selection trails and Intercollegiate and Interuniversity Participation	Actual as required	Notification issued vide No. P/ Agri/ Comptroller /Kota /957-61 dated 03.05.2017
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Director Education,
AU, Kota

AGENDA

AUK/AC-9/2017-03/02: Action taken report of 8th Academic Council meeting held on 10.05.2017

Action taken report of 8th meeting of the Academic Council held on 10.05.2017 in the meeting hall of Agriculture University, Kota is presented as under.

Agenda Item No.	Particulars	Action- taken
AUK/AC-08/2017-02/01	Confirm the minutes of 7 th Academic Council held on February 17, 2017 Resolved to confirm the Minutes of 7 th Academic Council meeting held on February 17, 2017	Noted
AUK/AC-08/2017-02/02	Action taken report of 7 th Academic Council meeting held on February 17, 2017 Resolved to approve the action taken report of 7 th Academic Council held on February 17, 2017 with minor correction in notification for allotment of PG code to Dr. Ashok Kumar, Assistant Professor, CH&F, Jhalawar i.e. BT-R-02-24 instead of BT-R-03-24	Noted
AUK/AC-08/2017-02/03	To approve the minutes of Board of studies in Horticulture & Forestry Faculty at CH&F, Jhalawar Resolved to approve the minutes of 5 th Board of Studies meeting held on March 27, 2017 for implementation of 5 th Deans Committee, ICAR recommendations at CH&F, Jhalawar containing semester wise course , distribution, detailed syllabus, committee of courses for UG, PG & Ph.D. (Fruit Science) degree programme running at the college with the following minors corrections (<i>Annexure-I</i>). i. The course title of PHT 121 should be Fundamentals of Food Technology and Nutrition in place of Fundamentals of Food and Nutrition ii. The course code of "Forest Protection" should be 122 in place of 212	Notification issued vide No. CH&F/ JWR/ Gen/ 2017/ 509-21; Dated 31.05.17
AUK/AC-08/2017-02/04	Approval of course curriculum for agriculture faculty Resolved to approve that in absence of agriculture faculty in the University, the course curriculum of B.Sc. Hons. Agriculture programme in light of 5 th Dean Committee, ICAR recommendations as offered by S.K. N. University, Jobner shall be applicable for affiliated colleges having Agriculture faculty of this university (<i>Annexure-II</i>).	Notification issued vide No. CH&F/ JWR/ Gen/ 2017/ 496-508; Dated 31.05.17
AUK/AC-08/2017-	Approval of Eligibility criteria, score card and performa for performance Based Appraisal System (PBAS) for Assistant	Notification issued by HRD vide No. AUK/

02/05	<p>Professor, Associate Professor and Professor under Career Advancement Scheme.</p> <p>Resolved to approve the proposed score card, Eligibility criteria and performa for PBAS for Assistant Professor, Associate Professor & Professor under Career Advancement Scheme (<i>Annexure - III</i>)</p> <p>Action : HRD, AU, Kota</p>	HRD/2017/2474-93 dated 30.05.2017
AUK/AC-08/2017-02/06	<p>Approval of essential qualifications, score card of candidates for direct recruitment to Subject Matter Specialist and also score card of Assistant Librarian.</p> <p>Resolved to approve the following</p> <ol style="list-style-type: none"> 1. Essential qualification of subject matter specialist in the GP of 5400/- is Master degree in the relevant field or equivalent from a recognized university. Doctoral degree in relevant subject is desirable. 2. The essential qualification of Assistant Librarian remains same as already approved for the post of Assistant Professor. 3. The proposed score card for both the post are approved (<i>Annexure- IV & V</i>) 	Notification issued vide No. AUK/HRD/2017/ 2393-412; Dated 30.05.17 and AUK/HRD/ 2017/ 2413-32; Dated 30.05.17
AUK/AC-8/2017-02/07	<p>Approval of essential qualifications, score card of candidates for direct recruitment to Technical Officer (Assistant Professor) in the <i>Gramin Krishi Mausam Sewa</i> (GKMS) project.</p> <p>Resolved to approve the proposed essential qualification for direct recruitment of Technical Officer (Assistant Professor) in <i>Gramin Krishi Mausam Sewa Project</i> as M.Sc. in Agro-Metrology/ Metrology/Geophysics/ Agriculture (Agronomy/Soil Science/ Entomology/ Plant Pathology/ Animal Husbandry) as desired by the Agriculture Chief, Government of India, Metrological department, New Delhi vide his letter no. ASC/RJ-18/04/HQ-2007 dated 02.12.2016. However the preference may be given to Agro-Metrology/ Metrology.</p> <p>The score card and general instruction and condition for the recruitment of said post shall remain same as already approved for direct recruitment of Assistant Professor (<i>Annexure-VI</i>).</p> <p>Further, the selection committee for this post shall remain the same as already approved for the direct recruitment of Assistant Professor</p> <p>Action : HRD, AU Kota</p>	Notification issued vide No. AUK/HRD/2017/ 2433-52; Dated 30.05.17

AUK/AC-8/2017-01/08	<p>Approval of detailed advertisement for recruitment in the University.</p> <p>Resolved to approve the proposed detailed advertisement along with general instructions & conditions for the recruitment of different post in the University (<i>Annexure-VII</i>).</p> <p>Action : HRD, AU Kota</p>	<p>Notification issued by HRD vide No. AUK/HRD/2017/2927-48 dated 05/06.06.2017</p>																																																							
AUK/AC-8/2017-02/09	<p>Re-designate the post of Programme Co-ordinator in KVKs as Senior Scientist and Head</p> <p>Resolved to approve the existing designation of Programme Co-ordinator of KVKs changed as Senior Scientist and Head in compliance of letter no. F.6-95/2015-KVK dated 10.08.2015 from Director Agriculture Technology Application Research Institute CAZRI campus Jodhpur.</p> <p>Action : HRD, AU Kota</p>	<p>Notification issued vide No. AUK/HRD/2017/ 2373-92; Dated 30.05.17</p>																																																							
<p>Table Agenda</p> <p>AUK/AC-8/2017-2/01</p>	<p>Approval of grading system and conversion formula recommended by 5th Dean's committee in UG degree programmes for implementation w.e.f. academic session 2017-18</p> <p>Resolved to approve the following examination pattern, evaluation, conversion formula and division for different degree programme offered by the university:-</p> <table border="1"> <thead> <tr> <th rowspan="2">S.No.</th> <th rowspan="2">Particulars</th> <th colspan="2">Grading system</th> </tr> <tr> <th>Cr. Hrs.</th> <th>External theory</th> <th>Internal Theory + Practical</th> </tr> </thead> <tbody> <tr> <td rowspan="6">1</td> <td rowspan="6">Examination pattern</td> <td>1/2/3/4+1</td> <td>50</td> <td>20(MT)+30</td> </tr> <tr> <td>0+1/2/3/4</td> <td>0</td> <td>20(MT)+80</td> </tr> <tr> <td>1/2/3/4+0</td> <td>80</td> <td>20(MT)</td> </tr> <tr> <td>1+2/3/4</td> <td>30</td> <td>20(MT)+50</td> </tr> <tr> <td colspan="3">Mid-term – 20% (Internal)</td> </tr> <tr> <td colspan="3">Practical – 30% (including assignment if any)</td> </tr> <tr> <td>2</td> <td>Evaluation</td> <td colspan="3">Theory : Paper setting and evaluation externally Practical : by course instructor(s) and one teacher nominated by HOD</td> </tr> <tr> <td rowspan="7">3</td> <td rowspan="7">Conversion Formula</td> <td>Percentage of marks obtained</td> <td colspan="2">Conversion into points</td> </tr> <tr> <td>100</td> <td colspan="2">10 Points</td> </tr> <tr> <td>90 to < 100</td> <td colspan="2">9 to < 10</td> </tr> <tr> <td>80 to < 90</td> <td colspan="2">8 to < 9</td> </tr> <tr> <td>70 to < 80</td> <td colspan="2">7 to < 8</td> </tr> <tr> <td>60 to < 70</td> <td colspan="2">6 to < 7</td> </tr> <tr> <td>50 to < 60</td> <td colspan="2">5 to < 6</td> </tr> </tbody> </table>	S.No.	Particulars	Grading system		Cr. Hrs.	External theory	Internal Theory + Practical	1	Examination pattern	1/2/3/4+1	50	20(MT)+30	0+1/2/3/4	0	20(MT)+80	1/2/3/4+0	80	20(MT)	1+2/3/4	30	20(MT)+50	Mid-term – 20% (Internal)			Practical – 30% (including assignment if any)			2	Evaluation	Theory : Paper setting and evaluation externally Practical : by course instructor(s) and one teacher nominated by HOD			3	Conversion Formula	Percentage of marks obtained	Conversion into points		100	10 Points		90 to < 100	9 to < 10		80 to < 90	8 to < 9		70 to < 80	7 to < 8		60 to < 70	6 to < 7		50 to < 60	5 to < 6		<p>Notification issued vide No. F. COE/AUK/ 2017/ 755-764; Dated 22.11.2017</p>
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		< 50 (Fail)	< 5	
		Eg. 80.76	8.076	
		43.60	4.360	
4	Division	OGPA	Division	
		5.000-5.999	Pass	
		6.000-6.999	II Division	
		7.000 – 7.999	I Division	
		8.000 and above	I Division with distinction	
Action : Controller of Examination, AU, Kota				
Table Agenda AUK/AC- 8/2017- 2/02	Revision of allowance/remuneration for holding charge of Dean, Directors, COE, Warden, Chief Warden, ADSW of Agriculture University, Kota. Resolved to approve the Allowances/remuneration payable to Hostel Wardens/Chief Hostel Warden/ADSW/Games & Sports Incharge is increase from existing Rs. 200/- per month to Rs. 500/- per month and to all the Deans/Directors and Controller of Examination from existing Rs. 500/- to 1000/- per month. Action : Comptroller, AU, Kota			Notification issued vide No. एफ ()/ वि. नि. / कृविवि/को/ 2017-18/ 4064-70; दिनांक 01.07.2017

Director Education,
AU, Kota

AGENDA

AUK/AC-10/2018-01/02: Action taken report of 9th Academic Council meeting held on 12.12.2017

Action taken report of 9th meeting of the Academic Council held on 12.12.2017 in the meeting hall of Agriculture University, Kota is presented as under.

Agenda Item No.	Particulars	Action- taken																								
AUK/AC-9/2017-03/01	To confirm the minutes of 9 th Academic Council held on 12.12.2017	Noted																								
AUK/AC-9/2017-03/02	Action taken report of 9 th Academic Council meeting held on 12.12.2017	Noted																								
AUK/AC-9/2017-03/03	<p>To Approve the course programme and course curricula of M.Sc. Wildlife management</p> <p>Resolved to approve the Department of Wildlife management has been initiated in the faculty of Forestry vide resolution of Academic council and Notification issued vide No. CH&F /JWR/ Academic/ 2017/ 170-77 dated 27.04.2017. As per budget announcement of Honourable Chief Minister, Govt. of Rajasthan and budget and post sanctioned by GOR, the course of PG programme in Wildlife management has to be initiated from the Academic Session 2018-19. Hence, the course programme and course curricula of M.Sc. Wildlife management are proposed for approval.</p>	Notification issued vide No. DE /AUK/ CH&F/ 2018/ 248-54 dated 20.01.2018 Page No. 90																								
AUK/AC-9/2017-03/04	<p>To Approve the Board of studies, College of Horticulture & Forestry, Jhalawar</p> <p>Resolved to approve the term of existing Board of studies has been completed. Therefore, a new Board of Studies was required to be constituted. In this context the Board of Studies constituted as per act and statute of the university has already been approved by the HVC, AU, Kota. The same is presented for approval as a reporting item.</p> <p>Composition of proposed New Board of Studies for faculty of Horticulture d Forestry</p> <table border="1"> <tbody> <tr> <td>1.</td> <td>The Chairman of the faculty (ex-officio chairman)</td> <td></td> </tr> <tr> <td></td> <td>Dr. L.K. Dashora, Dean, CH&F, Jhalawar</td> <td>Chairman</td> </tr> <tr> <td>2.</td> <td>All Head of the Departments</td> <td></td> </tr> <tr> <td></td> <td>Dr. S. K. Jain, Prof. & Head, Deptt. of Post Harvest Technology</td> <td>Member Secretary</td> </tr> <tr> <td></td> <td>Dr. I.B. Maurya, Prof. & Head, Deptt. of Vegetable Science</td> <td>Member</td> </tr> <tr> <td></td> <td>Dr. Jitendra Singh, Prof. & Head, Deptt. of Fruit Science</td> <td>Member</td> </tr> <tr> <td></td> <td>Dr. A, Mishra, Prof. & Head, Deptt. of Floriculture and Landscaping</td> <td>Member</td> </tr> <tr> <td></td> <td>Dr. Prahlad V.C., Asstt. Prof. & Incharge, Deptt. of Silviculture and Agroforestry</td> <td>Member</td> </tr> </tbody> </table>	1.	The Chairman of the faculty (ex-officio chairman)			Dr. L.K. Dashora, Dean, CH&F, Jhalawar	Chairman	2.	All Head of the Departments			Dr. S. K. Jain, Prof. & Head, Deptt. of Post Harvest Technology	Member Secretary		Dr. I.B. Maurya, Prof. & Head, Deptt. of Vegetable Science	Member		Dr. Jitendra Singh, Prof. & Head, Deptt. of Fruit Science	Member		Dr. A, Mishra, Prof. & Head, Deptt. of Floriculture and Landscaping	Member		Dr. Prahlad V.C., Asstt. Prof. & Incharge, Deptt. of Silviculture and Agroforestry	Member	Notification issued vide No DE/AUK/ CHF/ 2018/239-47 dated 20.01.2018 Page No. 91
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AUK/AC-9/2017-03/05	<p>Proposal to institute Chancellor's Gold Medal at Master level.</p> <p>Resolved to approve in compliance of DO No. F/(39)RB / 2016 :990, 28th September, 2016 from Raj Bhawan, Jaipur, a Chancellor's Gold Medal is to be instituted to a meritorious students at post graduation (M.Sc.) level in Agriculture University, Kota from Academic session 2016-17. The criteria for awarding Chancellor's Gold Medal at PG level has been formulated and submitted for approval.</p> <p>Criteria and eligibility for award of Chancellor's Gold Medal:</p> <ol style="list-style-type: none"> 1. The Chancellor's Gold Medal shall be awarded to a candidate securing highest OGPA/percentage in the entire M.Sc. Programme in each academic year. 2. A candidate who has topped the faculty (stood first) securing at least 75% marks or an OGPA of 7.5 out of 10.0 in aggregate of the degree programme will be eligible 	Notification issued vide No. F./CHF/ JWR/ AC notification/ 2018/ 194-205 dated 26.03.2018 Page No. 93																																													

	<p>for Chancellor's Gold Medal. He/she should have passed each examination in the first attempt in the consecutive academic session without getting withdrawal of course or semester and successfully completed the degree programme by cut off date of notification of the year. The course work should have been completed in regular semester programme without any "F" or "I" grade or Backlog. The reappearance in the examination in the walkout paper will be counted as second attempt.</p> <ol style="list-style-type: none"> 3. In case of a tie the medal shall be awarded by considering the date of birth. The medal will be awarded to the candidate whose date of birth is later. 4. The candidates devoting more time than the prescribed minimum for a degree programme shall not be eligible for the award of Gold Medal. 5. No Chancellor's Gold Medal will be awarded if the number of candidates passing the examinations is less than 10 in entire M. Sc. programme in that academic year. 6. A candidate who has been punished for any act of indiscipline by college/university or against whom FIR has been lodged by the university administration or who has been convicted by court of law or punished under use of unfair means or disorderly conduct during examination during the entire degree programme will not be eligible for the award of Gold Medal. 7. In case, the candidate standing first in order of merit but does not fulfil the above conditions, he/she shall not be awarded the Chancellor's Gold Medal and the same shall be awarded to next candidate in order of merit. 8. The criteria of awarding departmental Gold medal of the subject will remain the same. 	
<p>AUK/AC-9/2017-03/06</p>	<p>Proposal to institute Vice-Chancellor's Gold Medal at Undergraduate level</p> <p>Resolved to approve in order to honour the meritorious students at Undergraduate level, a Vice-Chancellor's Gold Medal is proposed to be introduced from academic session 2017-18. The detailed eligibility criteria for aforesaid Gold Medal is given as under.</p> <p>Eligibility criteria for award of Vice-Chancellor's Gold Medal:</p> <ol style="list-style-type: none"> 1. The Vice-Chancellor's Gold Medal shall be awarded to a candidate securing highest OGPA/percentage in the entire Undergraduate Programme in each academic year. 2. A candidate who has topped the faculty (stood first) securing at least 75% marks or an OGPA of 7.5 out of 10.0 in aggregate of the degree programme will be eligible for Vice-Chancellor's Gold Medal. He/she should have passed each examination in the first attempt in the consecutive academic session without getting withdrawal of course or semester and successfully completed the degree programme by cut off date of notification of the year. The course work should have been completed in regular semester programme without any "F" or "I" grade or Backlog. The reappearance in the examination in the 	<p>Notification issued vide No. F./CHF/ JWR/ AC notification/ 2018/ 206-217 dated 26.03.2018 Page No. 94</p>

	<p>walkout paper will be counted as second attempt.</p> <ol style="list-style-type: none"> 3. In case of a tie the medal shall be awarded by considering the date of birth. The medal will be awarded to the candidate whose date of birth is later. 4. The candidates devoting more academic years/ semesters than the prescribed minimum duration for a degree programme shall not be eligible for the award of Gold Medal. 5. No Vice-Chancellor's Gold Medal will be awarded if the number of candidates passing the examinations is less than 10 in entire Undergraduate Programme. 6. A candidate who has been punished for any act of indiscipline by college/university or against whom FIR has been lodged by the university administration or who has been convicted by court of law or punished under use of unfair means or disorderly conduct during examination during the entire degree programme will not be eligible for the award of Gold Medal. 7. In case, the candidate standing first in order of merit but does not fulfill the above conditions, he/she shall not be awarded the Vice-Chancellor's Gold Medal and the same shall be awarded to next candidate in order of merit. 							
<p>AUK/AC-9/2017-03/07</p>	<p>Proposal for amendment in rule of special backlog examination</p> <p>Resolved to approve two undergraduate students namely Miss Jyoti Kulmi and Mr. Vikram Kumar Hinoniya of the College of Horticulture and Forestry, Jhalawar had applied for special backlog examination in course BAS-112 (Basic Mathematics) after completing their 8th semester of degree programme. Similarly, one PG student namely Ms. Manisha Dhayal had applied for special backlog examination in course HORT-514. The applicants had backlog course of 1st year and as per existing rules they were not eligible for appearing in special examination. However, looking to the career of the students and considering one time case, the Hon'ble Vice-Chancellor had granted special permission for conducting the special backlog examination and directed to frame the rules and/ or amend the existing rule. This is submitted to academic council for approval as a reporting item.</p> <p>Further, the amendment in existing rule is proposed for approval.</p> <table border="1"> <thead> <tr> <th>Rule No.</th> <th>Existing</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>7.4.6.3 A</td> <td>In case a student has completed 8th semester and has backlog in only one course which is not of 1st year (i) Special examination will be conducted at the earliest possible after the declaration of semester result in 1st semester of academic year for only that course (ii) Students will be charged fee as</td> <td>The rider of 1st year from heading "In case student has completed 8th semester</td> </tr> </tbody> </table>	Rule No.	Existing	Proposed	7.4.6.3 A	In case a student has completed 8 th semester and has backlog in only one course which is not of 1 st year (i) Special examination will be conducted at the earliest possible after the declaration of semester result in 1 st semester of academic year for only that course (ii) Students will be charged fee as	The rider of 1 st year from heading "In case student has completed 8 th semester	<p>Notification issued vide No. F./CHF/ JWR/ AC notification/ 2018/ 1218-1229 dated 26.03.2018\ Page No. 95</p>
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	<p>prescribed by the University irrespective of whether it is regular course or special paper.</p> <p>(iii) Students have to apply for special examination within 11 days of declaration of result of 8th semester failing which his/her application will not be considered.</p> <p>(iv) In case if a student chooses for re-evaluation and fails, examination for such a paper will be conducted along with regular paper of that semester only.</p> <p>(v) If a student fails in a special paper examination, he/she would be allowed to reappear with regular examination of next semester only, i.e. once in a semester.</p>	<p>and has backlog in only one course which is not of 1st year" is substituted with irrespective of year. The other conditions of rule 7.4.6.3 A shall be as such.</p>				
	<p>(ii) For Post graduate level</p> <table border="1"> <thead> <tr> <th>Rule No.</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>7.4.6.3 A</td> <td> <p>In case student has completed 4th semester and has backlog in only one course. The other conditions are as under.</p> <p>(i) Special examination will be conducted at the earliest possible after the declaration of semester result in 1st semester of academic year for only that course</p> <p>(ii) Students will be charged fee as prescribed by the University irrespective of whether it is regular course or special paper.</p> <p>(iii) Students have to apply for special examination after completing entire courses including compressive examination.</p> <p>(iv) In case if a student chooses for re-evaluation and fails, examination for such a paper will be conducted along with regular paper of that semester only.</p> <p>(v) If a student fails in a special paper examination, he/she would be allowed to reappear with regular examination of next semester only, i.e. once in a semester.</p> </td> </tr> </tbody> </table>		Rule No.	Proposed	7.4.6.3 A	<p>In case student has completed 4th semester and has backlog in only one course. The other conditions are as under.</p> <p>(i) Special examination will be conducted at the earliest possible after the declaration of semester result in 1st semester of academic year for only that course</p> <p>(ii) Students will be charged fee as prescribed by the University irrespective of whether it is regular course or special paper.</p> <p>(iii) Students have to apply for special examination after completing entire courses including compressive examination.</p> <p>(iv) In case if a student chooses for re-evaluation and fails, examination for such a paper will be conducted along with regular paper of that semester only.</p> <p>(v) If a student fails in a special paper examination, he/she would be allowed to reappear with regular examination of next semester only, i.e. once in a semester.</p>
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AUK/AC-9/2017-03/08	<p>Proposal for revision of fee for examination related works</p> <p>Resolved to approve the existing fee structure is being charged since academic session 2016-17. In reference to letter No. F.1 (38) RB/2015/6462 dated 21 August, 2017 received from Raj Bhawan, Rajasthan the existing fee related to various examination works has been revised and proposed in academic council for approval from academic session 2018-19.</p>	<p>Notification issued vide No. F () /AUK/ Compt./2017/ 11601-14 dated 23.01.2018 Page No. 96</p>				

AUK/AC-9/2017-03/09	<p>Approval of 2nd and 3rd advertisement details for recruitment of Teachers, Officers and non teaching posts in the University.</p> <p>Approved to resolve consequent upon the permission received after 1st advertisement for filling up different teaching and non teaching posts in the University from the Govt. of Raj., the 34 posts of teachers of different disciplines and officers and 56 posts of non teaching in the University have been advertised. The details of the advertisement in respect of essential qualifications, eligibility criteria, application form and draft of advertisement and other conditions are enclosed for the approval.</p>	--
AUK/AC-9/2017-03/10	<p>To decide the ratio after short list to call the candidates for interview for teachers and officers in the University.</p> <p>Resolved to approve it is proposed to short list the candidates on the basis of merit of the marks obtained in score cards. After short listing the candidates based on the marks of score card, the candidates shall be interviewed on 1:5 ratio per post per category as this ratio also exist in ASRB, New-Delhi.</p>	Notification issued vide No. F () /AU/ Kota/ 2017/10840-46 dated 02.01.2018 Page No. 99
AUK/AC-9/2017-03/11	<p>Approval of conversion formula</p> <p>Resolved to approve some of the candidates applied for the post of Assistant Professor(s) have not submitted the conversion formula. To avoid the legal complicity, the following conversion formula will be used only on those cases, where candidates have not submitted the formula of their University/ Institution:</p> <p>(i) % of marks shall be obtained by multiplying the OGPA under 10.0 point scale by 10.</p> <p>(ii) OGPA under letter grading system (like 4.0 point/ 5.0 point etc.)</p> <p>a. OGPA under 10 point scale = 9G/N b. % of marks = 90 G/N</p> <p>G = OGPA, N is the value of point scale like 4 in 4.0 point scale, 5 in 5.0 point scale & likewise</p>	Notification issued vide No. HRD/2018/ 2460-80 dated - 02.06.2018 Page No. 100
AUK/AC-9/2017-03/12	<p>Approval to conduct written test for direct recruitment of different non teaching posts in the University.</p> <p>Resolved to approve presently university has advertised 56 posts in non teaching cadre having 10 different categories for filling up vacant posts in various units of the university. To maintain the transparency in the recruitment following procedures is proposed for approval:</p> <p>1. The post having GP upto Rs. 3600/- will be recruited strictly on the basis of merit of the marks obtained in written examination conducted by the University as adopted by State Govt. However, in the post where other requirement like type test / computer application / short hand test etc. are essential requirement, the same shall be applicable to that respective post. The other rules and regulations of Government of Rajasthan will be followed</p>	Notification issued vide No. F () /AU/ Kota/ 2017/10867-77 dated 02.01.2018 Page No. 101

	<p>in such cases.</p> <p>2. However, the requirement for the post having GP above Rs. 3600/- like TA will be made on the basis of merit of written and interview. The ratio of written test and interview will be 80:20. The combined marks of written examinations and interview will be considered the final merit of the candidates.</p> <p>3. The written test shall not be conducted for the post of Class IV having GP Rs. 1700.00 and equivalent.</p>																
AUK/AC-9/2017-03/13	<p>Permission to present research paper to attend symposia, seminar, conference, refresher course, training etc.</p> <p>Resolved to approve it has been noted that teachers /employees send a large number of applications for presenting research paper/ attending symposia, seminar, conference, refresher course, training, etc. It creates problems for carrying out the work of project assignment. To avoid such problems following norms/ rules will be observed.</p> <p>1. The employee shall be permitted only once in a calendar year to present research paper/ to attend symposia, seminar, conference, refresher course, training etc.</p> <p>2. If a programme i.e. symposia, seminar etc. related to his/ her project, he/she may also be allowed accordingly.</p> <p>3. On return from the event, the incumbent is required to submit a detailed report of their presentation / attending symposium, seminar etc. to Registrar through Dean / Director / Controlling officer.</p>	<p>Notification issued vide No. F () /AU/ Kota/ 2017/10818-28 dated 02.01.2018 Page No. 102</p>															
AUK/AC-9/2017-03/14	<p>Proposal for approval of remuneration for setting multiple choice type questions (MCQ) for various written examinations of AU, Kota</p> <p>Resolved to approve the recruitment process for filling of various posts including teaching and non-teaching in the University are in progress. In some of the posts, written test shall be conducted. The COE has been given responsibility to conduct the written examination / test of the posts wherever examination is required. Owing to new kind of work, the remuneration for setting of multiple choice type questions has not yet fixed by the University. Thus, the following rate of remuneration is proposed for approval.</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Nature of work</th> <th>Rate</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Setting of multiple choice type questions of the paper for competitive examination. The complete paper will include MCQ, answer key and reference of each question</td> <td></td> </tr> <tr> <td></td> <td>(i) In English only</td> <td>Rs. 100/- per question</td> </tr> <tr> <td></td> <td>(ii) In Hindi only</td> <td>Rs. 100/- per question</td> </tr> <tr> <td></td> <td>(iii) In English and Hindi version both</td> <td>Rs. 120/- per question</td> </tr> </tbody> </table>	S. No.	Nature of work	Rate	1.	Setting of multiple choice type questions of the paper for competitive examination. The complete paper will include MCQ, answer key and reference of each question			(i) In English only	Rs. 100/- per question		(ii) In Hindi only	Rs. 100/- per question		(iii) In English and Hindi version both	Rs. 120/- per question	<p>Notification issued vide No. F ()/AUK/ Compt./ 2017/11051-63 dated 06.01.2018 Page No. 103</p>
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<p>AUK/AC-9/2017-03/15</p>	<p>Proposal for approval of syllabus of various posts for written examination</p> <p>Resolved to approve the recruitment process for filling various posts of non-teaching in the University are in progress. In some of the posts, written examination shall be required for which syllabus and other details are to be decided for the purpose of written examination. The syllabus and other details of following are enclosed herewith for approval.</p> <ol style="list-style-type: none"> 1. Ag. Supervisor 2. Lab Assistant 3. Technical Assistant 4. Legal Assistant 5. Informatics Assistant 6. Matron 7. Forest Guard 8. Library Assistant 	<p>Notification issued vide No. F ()/AUK/ Compt./ 2017/10850-61 dated 02.01.2018 Page No. 104</p>																												
<p>AUK/AC-9/2017-03/16</p>	<p>Revision of honorarium for Library Incharge as additional duty</p> <p>Resolved to approve the honorarium of various officers of the college viz. Dean, ADSW, Chief warden, warden, sports Incharge etc. were revised in the eighth academic council held on May 10th, 2017. However, the case of Library Incharge (additional duties) was not included in the resolution. Therefore, it is proposed to revise the honorarium of Library Incharge (as additional duty) from Rs. 250/- per month to Rs. 500/- per month.</p>	<p>Notification issued vide No. F ()/AUK/ Compt./ 2017/13346-58 dated 16.03.2018 Page No. 105</p>																												
<p>AUK/AC-9/2017-3/17</p>	<p>Amendment in selection criteria for award of Best Student of the year at University H.Q.</p> <p>Resolved to approve Agriculture University, Kota is conferring best student award to UG final year student of the university since 2015 every year. This award is conferred on the occasion of republic day. HVC, AU Kota has pointed out to review the criteria approved earlier for this purpose. Therefore, looking to the problem of meritorious students, who could not qualify to receive this award due to non-participation in extracurricular activities, I am proposing to modify above criteria as follows so that meritorious students could not suffer.</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Criteria of award</th> <th>Present percentage Marks</th> <th>Proposed percentage Marks</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Academic</td> <td>70</td> <td>75</td> </tr> <tr> <td>2.</td> <td>Games and sports</td> <td>15</td> <td>08</td> </tr> <tr> <td>3.</td> <td>NSS/NCC</td> <td>05</td> <td>05</td> </tr> <tr> <td>4.</td> <td>Cultural Events</td> <td>05</td> <td>05</td> </tr> <tr> <td>5.</td> <td>Special achievement, discipline, sincerity, etc.</td> <td>05</td> <td>07</td> </tr> <tr> <td colspan="2">Total</td> <td>100</td> <td>100</td> </tr> </tbody> </table> <p>Other terms and conditions will remain the same.</p>	S. No.	Criteria of award	Present percentage Marks	Proposed percentage Marks	1.	Academic	70	75	2.	Games and sports	15	08	3.	NSS/NCC	05	05	4.	Cultural Events	05	05	5.	Special achievement, discipline, sincerity, etc.	05	07	Total		100	100	<p>Notification issued vide No. DSW/ AU/ CHF/ 2018/ 501-505 dated 01.02.2018 Page No. 106</p>
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AUK/AC-9/2017-3/18	<p>Proposal for redeployment of post of Assistant Professor, PB&G to Assistant Horticulture</p> <p>Resolved to approve there is no post of Assistant Professor, horticulture available in Non Plan at ARS/ARSS. Looking into the importance in horticulture in the zone and other horticultural problems raised by the Department of Agriculture, atleast one post of Assistant Professor of horticulture is essentially required at ARS, Ummedganj, Kota. The post of Assistant Professor received from Govt. are redistributed subject wise by the University. Therefore, out of 09 vacant posts one post of Assistant Professor, PB&G is to be redeployed / converted into Assistant Professor (Horticulture). The same is proposed for approval by Academic Council and subsequently by the BOM.</p>	Notification issued vide No. F () /AU/ Kota/ 2017/10829-39 dated 02.01.2018 Page No. 107
AUK/AC-9/2017-3/19	<p>To approve norms for forwarding applications to outside agencies for employment.</p> <p>Resolved to approve it has been observed that teachers/ employees of the University send a large number of applications for employment elsewhere. This put a lot of pressure on establishment section. As per the norms exist in parental University (MPUAT, Udaipur), following guidelines/ norms for forwarding of applications for employment outside the University are submitted for</p> <ol style="list-style-type: none"> 1. Any employee of the University can get his/her two applications forwarded in a calendar year. However this condition may be relaxed for one more application. if the same pertains to single advertisement. 2. The application shall be forwarded only on the post higher than his/ her present post. 3. No application shall be forwarded upto three years in case of fresh recruitees i.e. new entrants 4. Only confirmed/regularly selected employees will be allowed to send two applications in a calendar year. however it will not apply to ad-hoc teachers/ employees. 5. Those teachers/employees who have time bound projects and working as the Principal Investigator and apply for higher post shall not be relieved till the project final report is submitted or up to date to record is made available to one who takes over the charge 6. No application will be sent in case last date of application is over. The Deans/Directors and other controlling officers before forwarding applications should examine and mention the following points. <ol style="list-style-type: none"> I. Date of Joining in the University. II. Whether he/she is permanent or regularly selected. III. Whether any departmental enquiry is pending against him/her IV. How many applications already forwarded during that particular calendar year. 	Notification issued vide No. F () /AU/ Kota/ 2017/10802-14 dated 02.01.2018 Page No. 109
AUK/AC-9/2017-3/20	<p>Approval of Sitting / honorarium charges</p> <p>Resolved to approve : It is proposed to enhance sitting charges / honorarium for different meetings in the University as proposed under</p>	Notification issued vide No. F () /AU/ Kota/ 2017/11038-50 dated 06.01.2018

	Item	Existing	Proposed	Page No. 109
	Sitting charges for member of Academic Council, Extension Education Council, Research Council, Board of Studies. Courses committee. etc. (Outside members only)	Rs. 1000/-	Rs. 1500/-	
	Experts and other external members of selection committee / board	Rs. 1500/-	Rs. 2000/- per day	
	The Govt. has constituted a committee under Chairmanship of member of RPSC to finalize the panel of experts for which the University has paid Rs 3000/- to each three members and typing charges of Rs. 500/- for this University work as per norms of RPSC. The same is submitted for approval.			
AUK/AC-9/2017-3/21	<p>To approved orders issued by the University as a reporting item:</p> <p>Resolved to approve :</p> <ul style="list-style-type: none"> • Order No. F ()/AU/Kota/2017/4562-66 dated 14.07.2017 regarding screen of applications of teaching staff under CAS. • Circular No. F. ()/AU/Recruitment/Kota/2017/9256-58 dated 15.11.2017 regarding screening cum Evaluation committee for CAS of Assistant Professor from one AGP to higher AGP. • Order No. F. ()/AU/Recruitment/Kota/2017/9259-65 dated 15.11.2017 regarding final screen of applications under CAS. • Order no. F. ()/AU/Estt./2017/9541-43 dated 27.11.2017 regarding Screen cum Evaluation committee for CAS of Assistant Professor from Stage I to II (AGP of Rs. 6000 to 7000/-) and stage II to III (AGP of Rs. 7000/- to 8000/-). 			Noted


 Director Education,
 AU, Kota

AGENDA

AUK/AC-11/2018-02/02: Action taken report of 10th Academic Council meeting held on 08.06.2018

Action taken report of 10th meeting of the Academic Council held on 08.06.2018 in the meeting hall of Agriculture University, Kota is presented as under.



Agenda Item No.	Particulars	Action- taken
AUK/AC-10 /2018-01/01	To confirm the minutes of 10 th Academic Council held on 08.06.2018	Noted
AUK/AC-10 /2018-01/02	Action taken report of 10 th Academic Council meeting held on 08.06.2018	Noted
AUK/AC-10 /2018-01/03	To decide rules and criteria for admission of University in-service candidates to do Ph.D. by course work in the University	Notification issued vide No. 3785-3804 dated 28/6/2018 Page No. 35
AUK/AC-10 /2018-01/ 04	To create faculty of Agriculture and departments in Agriculture University, Kota	Notification issued vide No. 4030-48 dated 28/6/2018 Page No. 36
AUK/AC-10 /2018-01/ 05	Nomenclature of UG, PG and Ph.D. degree in Agriculture	Notification issued vide No. 180-89 dated 04-07-2018 Page No. 37
AUK/AC-10 /2018-01/06	To decide/formulate UG and PG rules and regulation for College of Agriculture, Kota	Notification issued vide No. 170-79 dated 04/07/2018 Page No. 38
AUK/AC-10 /2018-01/07	Approval of Board of Studies for faculty of Agriculture at Agriculture University, Kota	Notification issued vide No. 210-19 dated 4/07/2018 Page No. 39
AUK/AC-10 /2018-01/ 08	To decide semester wise course distribution and course curricula for UG, PG and Ph.D. degree programme in faculty of Agriculture	Notification issued vide No. 200-09 dated 04/07/2018 Page No. 40
AUK/AC-10 /2018-01/09	To decide payment seats in PG programme at College of Agriculture, Kota	Notification issued vide No. 190-89 dated 04/07/2018 Page No. 41
AUK/AC-10 /2018-01/ 10	To decide of fee structure for UG, PG and Ph.D. programme at College of Agriculture, Kota	Notification issued vide No. 3818-24 dated 28-6-2018 Page No. 42 to 48
AUK/AC-10 /2018-01/11	To approve the minutes of Board of Studies of College of Horticulture and Forestry, Jhalawar Notification issued on various agenda items of Board of Studies.	Notification issued vide No. 1431-38 dated 2/7/2018, No. 1420-30 dated 2/7/2018 & No. 1381-87 dated 2/7/2018 Page No. 49 to 53
AUK/AC-10 /2018-01/12	Extending facility of room cooler in hostels.	Permission has been granted by Dean as per fee structure.
AUK/AC-10 /2018-01/13	Modification in rule of special mid-term test(s).	Notification issued vide No.1389-99 dated 2/7/2018 Page No. 54
AUK/AC-10 /2018-01/14	To provide rent free accommodation to hostel wardens, Chief warden and ADSW	Notification issued vide No. 5138-48 dated 23/7/2018 Page No. 55

AUK/AC-10/2018-01/15	Special permission for comprehensive examination of minor courses.	Notification issued vide No. 1367-77 dated 2/7/2018 Page No. 56
AUK/AC-10/2018-01/16	One time relaxation in requirement of experience and other criteria for accreditation of teachers.	Notification issued vide No. 3745-84 dated 28/6/2018 Page No. 57
AUK/AC-10/2018-01/17	Proposal for reallocation of post of Assistant Professor, Soil Science to Assistant Professor, Post Harvest Technology	Notification issued vide No. 4390-4401 dated 06/07/2018 Page No. 58
AUK/AC-10/2018-01/18	Approval of essential qualifications, eligibility and score card of Technical Officer and Subject Matters Specialist (SMS) Meteorology in the Gramin Krishi Mausam Seva (GKMS).	Notification issued vide No. 3610-31 dated 25/06/2018 Page No. 59
AUK/AC-10/2018-01/19	Approval of subject code for newly offered subject.	Notification issued vide No. 3765-84 dated 28/06/2018 Page No. 60
AUK/AC-10/2018-01/20	To revise qualification for the post of Assistant Registrar	Notification issued vide No. 3610-31 dated 25/06/2018 Page No. 61
AUK/AC-10/2018-01/21	To approve the minutes of the committee constituted for finalizing the issue related to recruitment of teaching and non teaching post orders issued.	Notification issued vide No. 3657-77 dated 26/06/2018 & No. 3632-53 dated 25/06/2018 Page No. 62 to 69
AUK/AC-10/2018-01/T-1	Approval of dress code for students of College of Agriculture, Kota.	Notification issued vide No.160-69 dated 04/07/2018 Page No. 70


 Director Education,
 AU, Kota

AGENDA

AUK/AC-12/2019-01/02: Action taken report of 11th Academic Council meeting held on 22.09.2018

Action taken report of 11th meeting of the Academic Council held on 22.09.2018 in the meeting hall of Agriculture University, Kota is presented as under.

Agenda Item No.	Particulars	Action- taken
AUK/AC-11 /2018-02/01	To confirm the minutes of 11 th Academic Council held on 22.09.2018	Noted
AUK/AC-11 /2018-02/02	Action taken report of 11 th Academic Council meeting held on 22.09.2018	Confermed
AUK/AC-11 /2018-02/03	To approve and pass the grace for awarding degrees to graduates of different faculties, who have passed-out during academic session 2016-17 in the 2 nd Convocation of the University, scheduled to be held on 26 th September, 2018.	Degree awarded
AUK/AC-11 /2018-02/04	To approve the Gold Medals for awarding to the eligible meritorious graduates of all the faculties of the University for Graduate Degree Programmes for the academic session 2016-17 and conferring the same in the 2 nd Convocation of the University, scheduled to be held on 26 th September, 2018.	Gold Medals awarded
AUK/AC-11 /2018-02/05	To approve the Vice-Chancellor's Gold Medal for awarding to the eligible meritorious graduate amongst entire Graduate Degree Programmes for the academic session 2016-17 and conferring the same in the 2 nd Convocation of the University, scheduled to be held on 26 th September, 2018.	Gold Medals awarded
AUK/AC-11 /2018-02/06	To approve and pass the grace for awarding degrees to 15 Master's Degree holders, who have completed their requirement for passing the degree in the faculty of Horticulture and Forestry in the 2 nd Convocation of the University, scheduled to be held on 26 th September, 2018.	Degree awarded
AUK/AC-11 /2018-02/07	To approve the Chancellor's Gold Medal for entire Master's Degree Programme for the year 2017 to be conferred in the 2 nd Convocation of the University, scheduled to be held on 26 th September, 2018.	Gold Medals awarded
AUK/AC-11 /2018-02/08	To decide procedure and modalities for recruitment of driver, pump operator (plumber/fitter) and agromet observer.	Notification issued vide No. 11797-806 dated 21/12/2018 Page No. 38
AUK/AC-11 /2018-02/T-1	To approve the eligibility criteria for admission of students in M.Sc. (Forestry) Wildlife Sciences.	Notification issued vide No. 4308-19 dated 27/12/2018 Page No. 39
AUK/AC-11 /2018-02/T-2	Proposal for approval of one time relaxation in the criteria of number of student in Chancellor's Gold Medal. The minimum number of students may be 07 instead of 10 for awarding Chancellor's Gold Medal in M.Sc. programme.	Notification issued vide No. 372/382 dated 02/01/2019 Page No. 40

AUK/AC-11 /2018-02/T-3	Proposal for approval for written test for recruitment of lab attendant.	Notification issued vide No. 11790-96 dated 21/12/2018 Page No. 41
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Director Education,
AU, Kota

AGENDA

AUK/AC-13/2019-02/02: Action taken report of 12th Academic Council meeting held on 23.01.2019

Action taken report of 12th meeting of the Academic Council held on 23.01.2019 in the meeting hall of Agriculture University, Kota is presented as under.

Agenda Item No.	Particulars	Action- taken
AUK/AC-12/2019-01/01	To confirm the minutes of 12 th Academic Council held on 23 rd January, 2019	Confirmed
AUK/AC-12/2019-01/02	Action taken report of 12 th Academic Council meeting held on 23.01.2019	Noted
AUK/AC-12/2019-01/03	To approve the coding system for registration of students in different subjects of M.Sc. and Ph.D. Programme.	Notification issued vide No. 14558-68 dated 11/02/2019 Page No. 72-73
AUK/AC-12/2019-01/04	To approve the minimum credit hours for M.Sc. and Ph.D. degree programme.	Notification issued vide No. 14523-33 dated 08/02/2019 Page No. 74
AUK/AC-12/2019-01/05	Approval of minutes of Board of Studies of COA, Kota	Notification issued vide No. 14547-57 dated 08/02/2019 & No. 1262-77 dated 20/02/2019 Page No. 75-76
AUK/AC-12/2019-01/06	To approve the general instructions of State Level JET/Pre-PG/Ph.D. Entrance Examination 2019 for admission to Different degree programmes of UG/PG/Ph.D.	Notification issued vide No. 53-67 dated 19/02/2019 Page No. 77
AUK/AC-12/2019-01/07	Approval for starting M.Sc. Programme in Agriculture Extension & Communication at COA Kota	Notification issued vide No. 1281-95 dated 20/02/2019 & No. 83-97 dated 19/02/2019 Page No. 78-79
AUK/AC-12/2019-01/08	Approval of remuneration to the various faculty and supporting staff to be engaged in State Level JET/Pre-PG/Ph.D. Entrance Examination 2019	Notification issued vide No. 68-82 dated 19/02/2019 Page No. 80-81
AUK/AC-12/2019-01/09	To provide admission to meritorious students on merit basis under the B.Sc. (Hons.) Horticulture.	Notification issued vide No. 14547-57 dated 08/02/2019 Page No. 75
AUK/AC-12/2019-01/10	To initiate Ph.D. programme in discipline of Silviculture and Agro-Forestry with 2 seats	Notification issued vide No. 5215-29 dated 05/03/2019 Page No. 82
AUK/AC-12/2019-01/11	The remuneration for conducting written examination of non teaching cadre was reported for approval.	Reporting Item

AUK/AC-12 /2019-01/12	Inclusion and creation of supernumerary quota for J&K students under PMSSS in B.Sc. (Agriculture) Programme to be offered in Institutions/Universities approved by ICAR.	Letter issued vide No. 17221 dated 27/03/2019 & No. 3196-97 dated 02/07/2019 Page No. 83-84
AUK/AC-12 /2019-01/T- 01	Approval of rate of allowances for inter collegiate games-sports and Cultural programme.	Notification issued vide No. 15957-69 dated 06/03/2019 Page No. 85
AUK/AC-12 /2019-01/T- 02	Approval of remuneration for setting question paper with answer key for JET/Pre-PG/Ph.D. entrance Examination 2019.	Notification issued vide No. 696-708 dated 29/06/2019 Page No. 86
AUK/AC-12 /2019-01/T- 03	Approval for starting Ph.D. Programme in the Department of Plant Pathology at COA Kota	Notification issued vide No. 1432-45 dated 02/03/2019 Page No. 87
AUK/AC-12 /2019-01/T- 04	To confirm the minutes of the committee constituted vide University order No. F()AU/Kota/2018/11887-908 dated 27.12.2018 to decide the modalities/regulations for conferring "Best Teacher Award" as desired by ICAR and awarding 'Certificate of Appreciation' to the Faculty and employees of the University.	Reporting Item


Director Education,
AU, Kota

AGENDA

AUK/AC-14/2020-01/02: Action Taken Report on the proceedings of 13th meeting of Academic Council held on 16.07.2019.

Action Taken Report on the minutes of the 13th meeting of the Academic Council held on 16.07.2019 are presented as under.

Agenda Item No.	Particulars	Action- taken
AUK/AC-13/2019-02/01	To confirm the minutes of 13 th Academic Council held on 16 th July, 2019	Confirmed
AUK/AC-13/2019-02/02	Action taken report of 13 th Academic Council meeting held on 16.07.2019	Noted
AUK/AC-13/2019-02/03	To approve revised fee structure for Academic Session 2019-20.	Notification issued vide No. 12752-57 dated 20.01.2020 Page No. 15-18
AUK/AC-13/2019-02/04	To revise fee to be paid to external examiners for thesis evaluation.	Notification issued vide No. 12720-25 dated 18.01.2020 Page No. 19
AUK/AC-13/2019-02/05	To approve the various rates required to be paid for participation in Inter University cultural event.	Notification issued vide No. 12726-32 dated 18.01.2020 Page No. 20
AUK/AC-13/2019-02/06	To approve and pass the grace for awarding degrees to graduates of different Facultyies, who have passed-out during academic session 2017-18 in 3rd convocation of the University, scheduled to be held on 20th August, 2019 (Annexure I).	Awarded
AUK/AC-13/2019-02/07	To approve the Gold Medals for awarding to the eligible meritorious graduates of all the Facultyies of the University for Graduate Degree Programmes for the academic session 2017-18 and conferring the same in the 3rd Convocation of the University, scheduled to be held on 20th August, 2019 is given below.	Awarded
AUK/AC-13/2019-02/08	To approve the Vice-Chancellor's Gold Medal for awarding to the eligible meritorious graduate amongst entire Graduate Degree Programmes for the academic session 2017-18 and conferring the same in the 3rd Convocation of the University, scheduled to be held on 20th August, 2019 is given below.	Awarded
AUK/AC-13/2019-02/09	To approve and pass the grace for awarding degrees to 18 Master's Degree holders, who have completed their requirement for passing the degree in the Faculty of Horticulture and Forestry in the 3rd Convocation of the University, scheduled to be held on 20th August, 2019. (Details are in Annexure II).	Awarded

AUK/AC-13/ 2019-02/10	To approve the gold medals for Master's Degree Programme for the year 2018 to be conferred in the 3rd Convocation of the University, scheduled to be held on 20th August, 2019 is given below.	Awarded
AUK/AC-13/ 2019-02/11	To approve the Chancellor's Gold Medal for entire Master's Degree Programme for the year 2018 to be conferred in the 3rd Convocation of the University, scheduled to be held on 20th August, 2019.	Awarded
AUK/AC-13/ 2019-02/12	Approval of eligibility criteria for admission in Ph.D. (Silviculture and Agroforestry)	Reporting Item
AUK/AC-13/ 2019-02/13	To approve the changes/amendments/modifications etc. incorporated for State Level JET/Pre-PG/Ph.D. Entrance Examination 2019.	Notification issued vide No. 2831-38 dated 04.01.2020 Page No. 21
AUK/AC-13/ 2019-02/14	To approve the opening of online option form for all appeared candidates in M.Sc. (Home science), M.Sc. (Forestry) and M.Sc. (Fisheries Science) in State Level JET/Pre-PG/Ph.D. Entrance Examination 2019.	Deferred
AUK/AC-13/ 2019-02/15	Approval of semester wise Course distribution and course curricula for M.Sc. (Ag) Agricultural Extension & Communication in Faculty of Agriculture	Notification issued vide No. 2839-47 dated 04.01.2020 Page No. 22
AUK/AC-13/ 2019-02/16	Approval of semester wise Course distribution and course curricula for Ph. D. Plant Pathology in Faculty of Agriculture	Notification issued vide No. 2848-55 dated 04.01.2020 Page No. 23
AUK/AC-13/ 2019-02/17	Approval of colour of cover page for M.Sc. & Ph.D. thesis in Agriculture Faculty.	Notification issued vide No. 2856-63 dated 04.01.2020 Page No. 24

AGENDA

AUK/AC-15/2020-02/02: Action Taken Report on the proceedings of 14th meeting of Academic Council held on 06.02.2020.

Action Taken Report on the minutes of the 14th meeting of the Academic Council held on 06.02.2020 are presented as under.

Agenda Item No.	Particulars	Action- taken
AUK/AC-14/2020-01/01	To confirm the minutes of 14 th Academic Council held on 06 th February, 2020	Confirmed
AUK/AC-14/2020-01/02	Action taken report of 14 th Academic Council meeting held on 06.02.2020	Noted
AUK/AC-14/2020-01/03	Minutes of 2 nd meeting of Board of Studies of Faculty of Agriculture held on 30 th December, 2019	Notification issued vide No. 100-109 & 867-75 dated : 02.05.2020 Page No. 11-12
AUK/AC-14/2020-01/04	Minutes of 7 th meeting of Board of Studies of Faculty of Horticulture & Forestry held on 8 th January, 2020	Notification issued vide No. 3516-32 dated : 05.05.2020 Page No. 13
AUK/AC-14/2020-01/05	Minutes of meeting of all five Vice-Chancellors of SAUs of Rajasthan held on Oct 15, 2019.	Reporting Item
AUK/AC-14/2020-01/06	Withdrawal of quota of direct merit seats for under graduate admissions.	Notification issued vide No. 2405-17 dated : 06.06.2020 Page No. 14
AUK/AC-14/2020-01/07	Approval of ten percent reservation for EWS category students.	Notification issued vide No. 90-99 & 3482-98 dated : 02.05.2020 & 05.05.2020 Page No. 15-16
AUK/AC-14/2020-01/08	Approval of modifications in course content of various subjects under Faculty of Horticulture & Forestry.	Notification issued vide No. 3533-49 dated : 05.05.2020 Page No. 17
AUK/AC-14/2020-01/09	Approval of modifications in course content of various subjects under Faculty of Agriculture.	Notification issued vide No. 60-69 dated : 02.05.2020 Page No. 18
AUK/AC-14/2020-01/10	Apprehended the admissions in Ph.D. Plant Pathology & M.Sc. (Ag.) Entomology from academic session 2020-21 at COA Kota.	Notification issued vide No. 80-89 dated : 02.05.2020 Page No. 19
AUK/AC-14/2020-01/11	Restructuring the Courses Committees of different Departments of the Faculty of Agriculture.	Notification issued vide No. 70-79 dated : 02.05.2020 Page No. 20-21
AUK/AC-14/2020-01/12	Constitution of College Development Council for CoA, Kota.	Notification issued vide No. 2418-30 dated : 06.06.2020 Page No. 22

AUK/AC-14/ 2020-01/13	Panel of experts for various subjects.	Resubmitted as Agenda Item No. 7
AUK/AC-14/ 2020-01/14	Panel of PG Examiners.	Notification issued vide No.5502-13 dated : 20.07.2020 Page No. 23
AUK/AC-14/ 2020-01/15	Changing the name of the Department of Floriculture and Landscaping as per recommendation of the 5 th Deans Committee.	Notification issued vide No. 3499-3515 dated : 05.05.2020 Page No.24
AUK/AC-14/ 2020-01/16	Creating the Department of Social Science at the College of Horticulture and Forestry as per recommendation of Fifth Deans Committee.	Notification issued vide No. 3955-64 dated : 21.07.2020 Page No.25
AUK/AC-14/ 2020-01/17	Amendment in eligibility for contesting election for Student Union.	Notification issued vide No. 597-603 dated : 20.07.2020 Page No. 26
AUK/AC- 14/2020-01/18	Minutes of the meeting of the Faculty Chairmen of all SAUs of Rajasthan held on January 16, 2020 to finalize Guidelines and Syllabus of JET, Pre-PG and Ph.D. Entrance Examination-2020	Notification issued vide No. 1346-56 dated : 27.05.2020 Page No. 27
AUK/AC- 14/2020-01/19	Approval of "State Level JET/Pre-PG/Ph.D. Entrance Examination 2020" booklet, committees, remunerations, expert consultants, etc.	Notification issued vide No. 1357-67 dated : 27.05.2020 Page No.28
AUK/AC-14/ 2020-01/T-01	Approval for initiation of Ph.D. programme in Department of Horticulture at CoA, Kota.	Notification issued vide No. 1127-35 dated : 19.08.2020 Page No. 29

AUK/AC-16/2020-03/02: Action Taken Report on the proceedings of 15th meeting of Academic Council held on 06.10.2020.

Action Taken Report on the minutes of the 15th meeting of the Academic Council held on 06.10.2020 are presented as under.

Agenda Item No.	Particulars	Action Taken
AUK/AC-15/2020-02/01	Confirmation of the minutes of 15 th meeting of Academic Council held on 06.10.2020	Confirmed
AUK/AC-15/2020-02/02	Action Taken Report on the proceedings of 15 th meeting of Academic Council held on 06.02.2020.	Noted
AUK/AC-15/2020-02/03	Approval of formula to promote the students without conducting the Semester End Examinations of Second Semester Session 2019-20.	Notification issued vide No. 1570-79 dated : 08.12.2020 Page No. 13
AUK/AC-15/2020-02/04	Commencement of new Academic Session with online teaching.	Noted ✓
AUK/AC-15/2020-02/05	Approval of the revised fee structure for the 1 st Semester of Session 2020-21.	Notification issued vide No. 13457-63 dated : 15/12/2020 Page No. 14
AUK/AC-15/2020-02/06	Co-option to Academic Council.	Notification issued vide No. 13150-167 dated :07.12.2020 Page No:15
AUK/AC-15/2020-02/07	To Recommend Panel of Experts of various subjects for selection committee.	Panel of experts was submitted to RPSC committee. Committee has suggested to add more names in specific format.Hence,the agenda is again put back to Academic Council
AUK/AC-15/2020-02/08	Rescheduling of JET, Pre-PG and Ph.D. Entrance Examination – 2020	Noted
AUK/AC-15/2020-02/09	Panel of PG Examiners- Entomology.	Notification issued vide No. 663-668 dated : 10.12.2020 Page No:17
AUK/AC-15/2020-02/10	Reconstitution of Board of Studies for Faculty of Agriculture.	Notification issued vide No. 1785-92 dated : 09.12.2020 Page No:18
AUK/AC-15/2020-02/11	Subject wise distribution of newly created teaching posts for the constituent Colleges of AU, Kota.	Notification issued vide No. 13168-181dated : 7.12.2020 Page No:19-20
AUK/AC-15/2020-02/12	To conduct the meetings of the 'Screening cum Evaluation committees' and 'Selection Committees' for CAS through semi- online mode.	Notification issued vide No. 13182-195 dated : 7.12.2020 Page No:21
AUK/AC-15/2020-02/13	Approval of 'Recomposed <i>kulgeet</i> of the University.	Notification issued vide No. 691-700 dated : 26.11.2020 Page No:22

AUK/AC-15/ 2020-02/14	Minutes of Education Council meeting.	Noted.
AUK/AC-15/ 2020-02/15	Approval for certificate courses.	Notifications issued vide No. 1793-1801 dated : 9.12.2020 and vide No. 5041-49 dated 15/12/2020 Page no:23&24
AUK/AC-15/ 2020-02/16	To approve and pass the grace for awarding degrees to graduates of different faculties, who have passed-out during academic session 2018-19 in 4th convocation of the university scheduled to be held in the month of November or December, 2020.	Degrees Awarded
AUK/AC-15/ 2020-02/17	To approve the Gold Medals for awarding to the eligible meritorious graduates of all the faculties of the University for Graduate Degree Programme for the academic session 2018-19 and conferring the same in the 4th convocation of the university to be held in the month of November or December, 2020.	Gold Medals Awarded
AUK/AC-15/ 2020-02/18	To approve the Vice-Chancellor's Gold Medal for awarding to the eligible meritorious graduate amongst entire Graduate Degree Programme for the academic session 2018-19 and conferring the same in the 4th convocation of the university scheduled to be held in the month of November or December, 2020.	
AUK/AC-15/ 2020-02/19	To approve and pass the grace for awarding degrees to 15 Master's Degree holders, who have completed their requirement for passing the degree in the faculty of Horticulture and Forestry in the 4th convocation of the university scheduled to be held in the month of November or December, 2020.	Degrees Awarded
AUK/AC-15/ 2020-02/20	To approve the Vice-Chancellor's gold medal for entire Master's Degree Programme for the year 2019 to be conferred in the 4th convocation of the university scheduled to be held in the month of November or December, 2020.	Gold Medals Awarded
AUK/AC-15/ 2020-02/21	To approve the Chancellor's Gold Medal for entire Master's Degree Programme for the year 2019 to be conferred in the 4th convocation of the university scheduled to be held in the month of November or December, 2020.	



सचिव,
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क्रमांक : एफ.49(10)आरबी/2016/५७
दिनांक : 11 जून, 2020

कुलसचिव,
कृषि विश्वविद्यालय,
कोटा।

विषय: कृषि विश्वविद्यालय, कोटा के प्रस्तावित स्टेड्यूट्स (परिनियम) के संबंध में।

सन्दर्भ:-इस सचिवालय का पत्रांक 12148 दिनांक 08.05.2019 एवं आपका पत्रांक 15391-92 दिनांक 18.03.2020 एवं समसंख्यक पत्रांक 1014 दिनांक 18.05.2020

महोदय,

उपरोक्त विषयान्तर्गत इस सचिवालय के संदर्भित पत्र दिनांक 08.05.2019 के क्रम में आपके संदर्भित पत्रों के माध्यम से प्राप्त कृषि विश्वविद्यालय, कोटा के प्रस्तावित स्टेड्यूट्स (परिनियम) का माननीय राज्यपाल एवं कुलाधिपति महोदय द्वारा अनुमोदन प्रदान कर दिया गया है। उक्त स्टेड्यूट्स (परिनियम) की हस्ताक्षरित मूल प्रति(एक) संलग्न कर प्रेषित है।

संलग्न: उपरोक्तानुसार

भवदीय,


(सुबीर कुमार)

RKVY Projects

S. No.	Title	Principle Investigator	Duration	Sponsoring Agency	Amount (Rs. in lakhs)
1.	Skill Empowerment of Women in Dairy Cattle Management	Dr. M. K. Garg	2014-15 to 2016-17	RKVY, GOR	275.76
2.	Processing & value addition of seasonal foods for maximum profitability and income generation among rural youth of south east Rajasthan	Dr Mamta Tiwari,	2014-15 to 2018-19	RKVY, GOR	142.97
3.	Conservation, propagation and popularization of Chironji (<i>Buchanania lanzan Spreng.</i>) in South-Eastern Rajasthan	Dr. P. S. Chauhan,	2014-15 to 2018-19	RKVY, GOR	33.08
4.	Development of Integrated Farming System modal for enhancing livelihood security of small and marginal farmers in South-Eastern Rajasthan	Dr. J. P. Tatarwal	2016-17 to 2018-19	RKVY, GOR	93.44
5.	Coriander improvement for yield, quality and export for financial security to farmers of Hadoti region	Dr.Preeti Verma	2016-17 to 2018-19	RKVY, GOR	62.28
6.	Crop Residue of Management in wheat-soybean cropping system in south-eastern Rajasthan	Dr. R. S. Narolia	2016-17 to 2020-21	RKVY, GOR	28.39
7.	Development of fertigation schedules for vegetables and citrus crops under pressurized irrigation system in south-east Rajasthan	Er. I. N. Mathur	2016-17 to 2018-19	RKVY, GOR	38.95
8.	Strengthening of State Level Beekeeping Centre	Dr. K. N. Ojha	2014-15 to 2018-19	RKVY, GOR	134.84
9.	Establishment of centre excellence for enhancing productivity and value addition of garlic in south-east Rajasthan	Dr. K. M. Gautam/Dr D.K.Singh	2015-16 to 2017-18	RKVY, GOR	257.00
10.	Strengthening of infrastructure to enhance the quality seed production of soybean at research farms of AU, Kota.	Dr. Pratap Singh	2016-17 to 2018-19	RKVY, GOR	606.50
11.	Enhancing Breeder Seed Production through Farm Modernization	Dr. R. K. Shivran	2016-17 to 2018-19	RKVY, GOR	485.50

12.	Modernization of Phytosanitary Lab for Pesticides Residue Analysis	Dr. B. K. Patidar	2016-17 to 2018-19	RKVY, GOR	125.28
13.	Establishment of "Agriculture Technology and Management Quality Improvement Centre (ATMQIC) at Directorate of Extension Education, Agriculture University, Kota.	Dr. M. C. Goyal	2016-17 to 2018-19	RKVY, GOR	292.70
14.	Strengthening of infrastructure to enhance the quality seed production including planting material at K.V.K. Farms.	Dr. K. M. Gautam/ Dr.S.K.Jain	2016-17 to 2018-19	RKVY, GOR	511.00
15.	Standardization of crop geometry for enhancing quality tonnage and yield of annual and perennial drumstick in Kota district	Dr. Ram Raj Meena	2017-18to 2019-20	RKVY, GOR	47.28
16.	Establishment of sirohi goat demonstration unit for raising income and skill development of rural youth of South-Eastern Rajasthan	Dr.Mehendra Singh	2017-18 to 2020-21	RKVY, GOR	186.34
17.	Development of improved Agro-techniques for enhancing productivity and profitability of Quinoa (<i>Chenopodium quinoa</i>) and Chia (<i>Salvia hispanica</i>) in South-Eastern Rajasthan	Dr. J. P. Tatarwal	2017-18 to 2019-20	RKVY, GOR	70.94
18.	Popularization of strawberry cultivation in Jhalawar district of Rajasthan	Dr. I. B. Maurya	2016-17 to 2018-19	RKVY, GOR	59.38
19.	Evaluation of Organic Production System for Improving Soil health vis-a-vis Crop Productivity and Quality in the hadoti region of Rajasthan	Dr. B. S. Meena	2017-18 to 2021-22	RKVY, GOR	124.23
20.	Establishment of Bio-pesticide unit for rapid mass production of bio-agent (<i>Trichoderma viride</i>)	Dr. D. L. Yadav	2019-20	RKVY, GOR	156.00
Total					3731.86

Private Projects

(Rs. in lakhs)

S. No.	Project Title	Principle Investigator	Duration	Sponsoring Agency	Amount
1.	Evaluation of bio-efficacy, phytotoxicity of Bentazone 48 % SL against weed complex in Soybean	Dr. D. S. Meena	2015-16 to 2016-17	Sharda Cropchem. Ltd.	4.50
2.	Effect of Dhanzyme granules on yield of wheat	Dr. B. S. Meena	2015-16 to 2016-17	Dhanuka Agritech Ltd.	3.00
3.	Studies on bio-efficacy, phytotoxicity, carry over and residual effect of Diquat 20% SL (DESSICASH) in potato.	Dr. R. S. Narolia	2015-16 to 2016-17	Sharda Cropchem Ltd.	4.50
4.	Studies on bio-efficacy, phytotoxicity, carry over and residual effect of diquat 20 % SL (DESSICASH) in fresh peas	Dr. Baldev Ram	2015-16 to 2016-17	Sharda Cropchem Ltd.	4.50
5.	Efficacy of RDS 63 20 SC against Lepidopteron pests of Soybean	Dr. H. P. Meghwal	2015-16 to 2016-17	Du Pont, India	3.00
6.	F 1430 against weed spectrum-bio-efficacy studies soybean.	Dr. D. S. Meena	2015-16 to 2016-17	FMC India Pvt. Ltd.	4.50
7.	Residue Testing of Bentazone 48% SL on Soybean	Dr. B. K. Patidar	2015-16 to 2016-17	Sharda Cropchem. Ltd.	4.80
8.	Studies on bio-efficacy, Phytotoxicity, carry over and residual effect of Bentazone 48 % SL (BASHAZON) in maize	Dr. J. P. Tetarwal	2015-16 to 2016-17	Sharda Cropchem. Ltd.	3.00
9.	Studies in Bio-efficacy, Phytotoxicity, carry over and residual effect of Quinchliaoac 35 SC in direct seeded rice	Dr. Chandra Prakash	2016-17 to 2017-18	Sharda Cropchem. Ltd.	4.50
10.	Bio-efficacy data generation of Clothodim 25 % EC on Soybean crop.	Dr. D. S. Meena	2016-17 to 2017-18	Krishi Rasayan Export Pvt. Ltd, New Delhi	4.50
11.	Studies in Bio-efficacy, Phytotoxicity, carry over and residual effect of Quinchliaoac 35 SC in transplanted rice	Dr. Chandra Prakash	2016-17 to 2017-18	Sharda Cropchem. Ltd	4.50
12.	Testing of mustard hybrids	Dr. P. K. P. Meena	2016-17 to 2017-18	Bayer crop science Ltd.	6.00
13.	Bioefficacy of Etofnprox + Daifenthiuron 31 % WG against thrips, mites, white fly aphid and fruit borer, its effect on natural enemies and its phytotoxicity on chillies	Dr. B. K. Patidar	2016-17 to 2017-18	Sharda Cropchem Limited	3.00
14.	Studies on residual effect of diquate 20 % SL (DESSICASH) on succeeding crop after potato	Dr. R. S. Narolia	2016-17 to 2017-18	Sharda Cropchem Limited	0.75
15.	Studies on bio-efficacy, Phytotoxicity of fungicide "GPF 616 against the downy mildew of potato	Dr. C. B. Meena	2017-18 to 2018-19	UPL, Mumbai	3.00

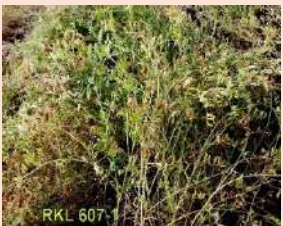






16.	Studies on bio-efficacy, Phytotoxicity of fungicide Azoxystrobin 8.3% + Mancozeb 66.7% WG (Advancer Glow) against the disease complex of potato	Dr. C. B. Meena	2017-18 to 2018-19	UPL, Mumbai	3.00
17.	Studies on bio-efficacy, of herbicide Pendimethalin 38.7% CS (Dost Super) on chickpea	Dr. Rajesh Kumar	2017-18 to 2018-19	UPL, Mumbai	3.00
18.	Testing of Forage sugargraze (Sorghum)	Dr. H. P. Meena	2017-18 to 2018-19	Advanta Limited, Hyderabad	3.00
19.	Bio-efficacy of Clethodim 12% EC for controlling of grassy weeds in Onion and its effect on succeeding crop	Dr. Rakesh Meena	2018-19 to 2019-20	Deccan Fine Chemicals (India) Limited	4.50
20.	Bio-efficacy of Clethodim 12% EC for controlling of grassy weeds in Soybean (Glycine max) and its effect on succeeding crop	Dr. Pratap Singh	2018-19 to 2019-20	Deccan Fine Chemicals (India) Limited	5.25
21.	Bio-efficacy of Clethodim 12% EC for controlling of grassy weeds in Cotton and its effect on succeeding crop	Dr. Pradeep Kumar	2018-19 to 2019-20	Deccan Fine Chemicals (India) Limited	4.50
23	Bio-efficacy of VALXTRA against Rust; Cercospora Leaf spot; Alternaria leaf spot and Pod Blight diseases in Soybean crop	Dr. C. B. Meena	2018-19 to 2019-20	Willowood chemicals	3.00
24.	Bio-efficacy of TEKNOX against Stem borer, Girdle beetle, Leaf miners, Semilooper, Leaf eating caterpillar and Stem fly in Soybean crop	Dr. B. K. Patidar	2018-19 to 2019-20	Willowood chemicals	3.00
25.	Bio-efficacy, Phytotoxicity and residue of Ethalfluralin 36 %EC on Soybean against weeds and its effect on succeeding crop	Dr. Chaman Jadon	2018-19 to 2019-20	SaraswartiAgro -chemicals Jammu, J&K	4.50
26.	Effect of Dhanvarsha on growth and yield of soybean	Dr. Chaman Jadon	2018-19 to 2019-20	DhanukaAgritech limited, Delhi	3.00
27.	Bio-efficacy of Liquid formulation of Stanes Bio-Cure B (Pseudomonas fluorescence) in controlling Sheath Blight in Rice	Dr. D. L. Yadav	2018-19 to 2019-20	T. Stanes and Company Limited	3.00
28.	Bio-efficacy evaluation of seed treatment fungicide Saaf- WS (Carbendzim 12 % +Mancozeb 63% WS) against the diseases of soybean-reg.	Dr. C. B. Meena	2018-19 to 2019-20	UPL Limited	3.00
29.	Bio-efficacy and phyto-toxicity evaluation of UPH 2916 against complex weed flora of Pigeon pea and its effect on succeeding crop	Dr. Baldev Ram	2018-19 to 2019-20	UPL Limited	4.50






30.	Bio-efficacy and phyto-toxicity evaluation of UPH 2916 against complex weed flora of Tomato and its effect on succeeding crop	Dr. Rakesh Yadav	2018-19 to 2019-20	UPL Limited	4.50
31.	Testing of fodder sorghum hybrids (Nutritop)- 1st year	Dr. H. P. Meena	2018-19	Advanta Limited, Hyderabad	1.50
32.	Bio-efficacy evaluation of fungicide “CUPROFIX DISPERS (Copper Sulphate 47.15 % + Mancozeb 30% WG)” on Pomegranate	Dr.Ladhu Ram	2018-19 to 2019-20	UPL Limited	3.00
33.	Bio-efficacy evaluation of fungicide “CUPROFIX DISPERS (Copper Sulphate 47.15 % + Mancozeb 30% WG)” on Mandarin	Dr. Hanuman Singh	2018-19 to 2019-20	UPL Limited	3.00
34.	Bio-efficacy of Picoxystrobin 7.05% + Propiconazole 11.71% w/w SC (Galileo way) against foliar diseases in Soybean.	Dr. D. L. Yadav	2018-19 to 2019-20	Dupont India Lmt	3.00
35.	Bio efficacy of Diflubenzuron 20%+Deltamethrin 2% SC against Spodoptera spp. and Helicoverpaarmigera in Chilli”-	Dr. B. K. Patidar	2018-19 to 2019-20	Arysta Life Science India Pvt lmt Mumbai	3.00
36.	Bio efficacy of Diflubenzuron 20%+Deltamethrin 2% SC against Spodoptera spp. and Helicoverpaarmigera in tomato	Dr. H. P. Meghwal	2018-19 to 2019-20	Arysta Life Science India Pvt lmt Mumbai	3.00
37.	Bio efficacy of Diflubenzuron 20%+Deltamethrin 2% SC against <i>Spodoptera spp.</i> and <i>Helicoverpaarmigera</i> in brinjal	Dr. B. K. Patidar	2018-19 to 2019-20	Arysta Life Science India Pvt ltd Mumbai	3.00
38.	Bio-efficacy evaluation of herbicide “UPH 110b” in potato	Dr. S. N. Meena	2018-19 to 2019-20	UPL Limited	6.00
39.	Bio-efficacy evaluation of herbicide “UPH 110b” in tomato	Dr. Rakesh Yadav	2018-19 to 2019-20	UPL Limited	6.00
40.	Bio-efficacy evaluation of herbicide “UPH 2916 in Potato	Dr. S. N. Meena	2018-19 to 2019-20	UPL Limited	6.00
41.	Bio-efficacy evaluation of fungicide “SaafWS ” in Pea	Dr. D. L. Yadav	2018-19 to 2019-20	UPL Limited	4.00
42.	Bio-efficacy evaluation of fungicide “Avancerglow (Azoxystrobin 8.3% + Mancozeb 66.7 % WG)” in onion	Dr. D. L. Yadav	2018-19 to 2019-20	UPL Limited	4.00
43.	Bio-efficacy evaluation of fungicide “Boscalid + Pyraclostrobin” in tomato	Dr. Chirag Gautam	2018-19	UPL Limited	2.00
44.	Bio-efficacy evaluation of fungicide “UPF 1317” in tomato	Dr. D. L. Yadav	2018-19 to 2019-20	UPL Limited	4.00
45.	Bio-efficacy evaluation of fungicide “UPF 1317 in chilli	Dr. C. B. Meena	2018-19 to 2019-20	UPL Limited	4.00
46.	Bio-efficacy evaluation of fungicide “UPF 116” in Potato	Dr. D. L. Yadav	2018-19 to 2019-20	UPL Limited	4.00



47.	Bio-efficacy evaluation of insecticide “Lancergold ” in chilli	Dr. H. P. Meghwal	2018-19 to 2019-20	UPL Limited	3.00
48.	Bio-efficacy evaluation of insecticide “Atabron” in chickpea	Dr. H. P. Meghwal	2018-19 to 2019-20	UPL Limited	4.00
49.	Bio-efficacy evaluation of “UPFI 116” as tuber treatment against insect-pests and diseases in Potato	Dr. D. L. Yadav	2018-19 to 2019-20	UPL Limited	4.00
50.	Bt Biozyme and Rejoice WG	Dr. H. P. Meena	<i>kharif</i> 2019-20	Crop Science	2.50
51.	Bio-efficacy of DAH-307 17.18% EC against weeds, its phytotoxicity on Groundnut and effect on succeeding crops	Dr. Versha Gupta	2019-20 to 2020-21	Dhanuka Agritech limited, Delhi	6.00
52.	“Bio-efficacy evaluation of ATABRON (Chlorfluazuron 5.4% EC) on pigeonpea” for two seasons	Dr. H. P. Meghwal	2019-20 to 2020-21	UPL Limited	4.00
53.	“Bio-efficacy evaluation of ATABRON (Chlorfluazuron 5.4% EC) on Soybean”	Dr. B. K. Patidar	2019-20 to 2020-21	UPL Limited	4.00
54.	Bio-efficacy, Phyto-toxicity & effect on natural enemies of UPI 619 against Spodoptera sp., Aphid, and Dimond Back Moth (DBM) of Cabbage	Dr. N. L. Meena	2019-20 to 2020-21	UPL Limited	4.00
55.	Bio-efficacy evaluation of herbicide of UPH 616 against weed flora of transplanted rice and its effect on succeeding crops for two years	Dr. Chandra Prakash	2019-20 to 2020-21	UPL Limited	6.00
56.	Bio-efficacy of Quinalophos 20% + Deltamethrin 1% against pests of chilli	Dr. N. L. Meena	2019-20 to 2020-21	M/s. Agro Life Science Corporation	4.00
57.	Bio-efficacy, Phyto-toxicity & effect on natural enemies of UPI 619 against Spodoptera sp., Helicoverpa sp., Aphid, Jassid & White fly of tomato	Dr. N. L. Meena	2019-20 to 2020-21	UPL Limited	4.00
58.	“Bio-efficacy evaluation of “ULALA (Flonicamid 50% WG) on soybean”	Dr. B. K. Patidar	2019-20 to 2020-21	UPL Limited	4.00
59.	Bio-efficacy, Phyto-toxicity & effect on natural enemies of GPI 418 on Soybean	Dr. B. K. Patidar	2020-21 to 2021-22	UPL Limited	4.00
60.	Bio-efficacy, Phyto-toxicity & effect on natural enemies of GPI 418- Sugarcane	Dr. N.L.Meena	2020-21 to 2021-22	UPL Limited	4.00
61.	Bio-efficacy, Phyto-toxicity & effect on natural enemies of GPI 818- Sugarcane	Dr. H.P. Meghwal	2020-21 to 2021-22	UPL Limited	4.00
Total					233.80

New varieties developed






Crop	Variety	Release in year	Characteristics	
Soybean	Kota Soya 1 (RKS 113)	CVRC 2016	<ul style="list-style-type: none"> • Medium tall variety having purple flower, light green leaves and brown hairs on stem & pods • Medium sized seed with yellow colour and brown hilum • Matures in 98-102 days • Seed yield of 22-25 q/ha • Oil content of 18-19 per cent • Tolerance to defoliators, stem fly, aphids and leafminer insects and bacterial pustule, YMV, bacterial blight, collar rot and rust diseases 	 
Urdbean	Mukundra Urd 2 (KPU 405)	CVRC2 013	<ul style="list-style-type: none"> • Semi-spreading, determinate growth habit, ovate shape of terminal leaflet and non hairy long pods • 6-9 seeds/pod and black colour bold seed size (> 5g/100 seed). • Matures in 70-74 days • Average yield 9-12 q/ha. • Moderately resistant to insects stem fly & white fly and diseases MYMV, leaf crinkle, web blight & powdery mildew. • Recommended for NWPZ in spring/summer seasons 	 
Urdbean	Kota Urd 3 (KPU 524-65)	SVRC 2019	<ul style="list-style-type: none"> • Recommended for Rajasthan state • Early & Synchronous maturing (72 days) in the state trials. • Main stem podding increases the number of pods per plant • Yield 10-12 q/ha • Bold (4.3 g/100 seed-weight), black and attractive seeds • Resistance to MYMV, Leaf spot and Anthracnose 	 
Urdbean	Kota Urd 4 (KPU 12-1735)	CVRC2 020	<ul style="list-style-type: none"> • Recommended for spring season in North Eastern Plain Zone of India • Early vigor with good biomass, large seed (4.37 g/ 100 seed weight), brown, attractive seed with dotted seed coat pattern and white cotyledons • Yield 12-14 q/ha • Resistance to Cercospora leaf spot and moderately resistant to MYMV and web blight. Less incidence of pod borer and maruca 	 






Lentil	Kota Masoor1 (RKL 607-1)	CVRC2 016	<ul style="list-style-type: none"> • Early variety suitable for rainfed situations of central zone in India • Light green foliage and 35-45 cm plant height • Bold seeds (2.73 g/100 seed weight) • Matures in 100-106 days • 14-16 q/ha grain yield of lentil • Moderately resistant to aphids & tolerant to wilt 	
Lentil	Kota Masoor 2 (RKL 14-20)	CVRC2 016	<ul style="list-style-type: none"> • An extra early variety suitable for rainfed situations of central zone in India • Light green foliage and 38-45 cm plant height • Bold seeds (3.1 g/100 seed weight) • Matures in 98-102 days • 14-16 q/ha grain yield of lentil • Moderately resistant to aphids & tolerant to wilt 	
Lentil	Kota Masoor 3 (RKL 605-03)	CVRC2 019	<ul style="list-style-type: none"> • Recommended for central zone of India. • Early vigor with good biomass to tolerate drought and terminal temperature, • Early maturity (105 days) • Yield 18-20 q/ha • Large seed (3.17 g/100 seed-weight), brown, attractive seeds with dotted seed coat pattern and orange cotyledons • Moderately resistant to wilt in Central Zone • Less incidence of pod borer and aphids 	 
Lentil	Kota Masoor4 (RKL 605-03)	CVRC2 020	<ul style="list-style-type: none"> • Recommended for central zone of India • Early vigor with good biomass • Maturity (112 days) • Yield 18-22 q/ha • Large seed (3.33 g/100 seed-weight), brown, attractive seeds with dotted seed coat pattern and orange cotyledons • Resistant to rust and Stemphylium blight and moderately resistant to wilt in central zone • Less incidence of pod borer and aphids 	 
Rajmash	Kota Rajmash 1 (RKR 1033)	CVRC2 015	<ul style="list-style-type: none"> • A high yielding variety (15-18 q/ha) • Matures in 100-105 days • Medium seed size (30.7 g/100 seed weight), brown attractive seeds with variegated seed coat • Resistance to angular leaf spot, anthracnose and also tolerant to wilt, bean common mosaic virus (BCMV) and <i>Alternaria</i> leaf spot diseases and aphids, whitefly & pod borer insects 	




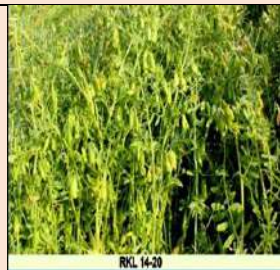
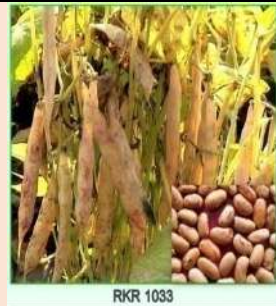
Field pea	Kota Matar 1 (KPF 101)	SVRC2 019	<ul style="list-style-type: none"> • Recommended for Rajasthan state • Early & Synchronous • Maturity (113 days) in the state trials. • Lodging resistance due to presence of tendrils and erect growth habit. • Bold(19.6 g/100 seed-weight), creamish white and attractive seeds. • Yield 19-21 q/ha • Resistance against powdery mildew, downy mildew and root knot nematodes 	
Chickpea	Kota Desi Chana-1 (RKG 13-515)	SVRC 2019	<ul style="list-style-type: none"> • Suitable for Late sown, irrigated conditions • Maturity: 105-115 days • Seed index: 18-20 g • Yield: 18-22 q/ha • Semi spreading, medium tall, light brown seed • Resistant to wilt and moderately resistant to dry root rot 	
Chickpea	Kota Kabuli Chana-1 (RKGK 13-271)	SVRC 2019	<ul style="list-style-type: none"> • Suitable for timely sown, irrigated conditions • Maturity: 110-120days • Seed index: 30-32 g • Yield: 18 q/ha • Semierect, medium tall, cream coloured, medium bold seed • Moderately resistant to wilt, dry root rot. 	
Chickpea	Kota Kabuli Chana-2 (RKGK 13-499)	CVRC 2020	<ul style="list-style-type: none"> • Suitable for irrigated conditions • Maturity: 135-149 days • Extra large seeded (40.7 g/100 seed weight), • Yield: Av. 17.3 q/ha &Pot. 32.0q/ha • Protein content: 20.38% • Resistant to wilt, dry root rot collar rot and moderately resistant to stunt 	
Linseed	Kota Barani Alsi 5 (RL 29005)	SVRC 2019	<ul style="list-style-type: none"> • Early variety suitable for rainfed situations in Rajasthan. • White flower colour and 53-55 cm plant height. • Bold seeds 7 g test weight. • Matures in 138-140 days. • Yield 11-13 q/ha • 35-36% oil content. • Moderately resistant to Alternaria blight & wilt and bud fly. 	

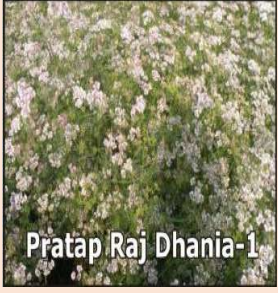





Linseed	Kota Barani Alsi 6(RL 15584)	CVRC (Identified in year 2020)	<ul style="list-style-type: none"> • Early variety suitable for irrigated situations of Zone II in India. • Blue flower colour and 60-65 cm plant height. • Dark brown seeds 7.13 g test weight. • Matures in 132-135 days. • Yield 12-17 q/ha and 36% oil content. • Moderately resistant to Alternaria blight, Powdery mildew, rust, wilt and bud fly. 	
	Kota Alsi 6 (RL 13165)	CVRC (Identified in year 2020)	<ul style="list-style-type: none"> • Medium Early variety suitable for rainfed situations of Zone I in India. • Blue flower colour and 60 cm plant height. • Brown seeds 9.17 g test weight. • Matures in 153 days. • Yield 12-14 q/ha and 32% oil content. • Moderately resistant to Alternaria blight, Powdery mildew, rust, wilt and bud fly. 	







Varieties tested and recommended

S. No.	Crop	Verities recommended for the zone	
Kharif 2016			
1.	Soybean	JS 20-34: Medium tall, white flower, dark green leaves, hairs on stem & pods. Medium size seed with yellow colour & black hilum. It matures in 85-90 days and gave average seed yield of 20-25 q/ha. It has tolerant to stem fly, stem borers & defoliators insects and charcoal rot, blights, bacterial pustules & leaf spots diseases.	
2.	Soybean	JS 20-29: Medium tall, white flower, dark green leaves, brown-yellow hairs on pods. Bold size seeds with yellow colour and black hilum. It matures in 90-95 days and gave average seed yield of 20-25 q/ha. It has tolerant to stem fly, stem borers and defoliators insects and yellow mosaic virus, charcoal rot, blights, bacterial pustules and leaf spots diseases.	
Rabi 2016-17			
3.	Wheat	HI 8713: It is a durum wheat variety & found suitable for late sown irrigated conditions. It has 90-100 cm plant height and profuse tillering. It has bold seed size having 48-52 g test weight, matures in 125-135 days and produced 50-58 q/ha grain yield.	
4.	Chickpea	GNG 1958: It is suitable for normal sown irrigated conditions. It has brown seed colour with 25-27g /100 seed weight. It matures in 120-125 days and produces 18-24 q/ha grain yield of chickpea.	
5.	Chickpea	CSJ 515: It is suitable for rainfed situations. It has small and brown colour seed with 15-17 g /100 seed weight. It matures in 120-125 days and produces 17-22 q/ha grain yield of chickpea. It is moderately resistant to dry root rot, wilt and collar rot and tolerant to <i>ascochyta blight</i> & <i>botrytis gray mould</i> (BGM).	

6.	Lentil	IPL-316: It is suitable for rainfed situations of central zone of India. It has light green foliage with dense pubescence on leaves and 30-40 cm plant height. Bold seeds having 3.0 g/100 seed weight. It matures in 110-115 days & produces 10-13 q/ha grain yield of lentil. It is tolerant to wilt & rust.	
7.	Lentil	Kota Masoor-1: It is an extra early variety suitable for rainfed situations of central zone in India. It has light green foliage and 35-45 cm plant height. Bold seeds having 2.73 g/100 seed weight. It matures in 100-106 days & produces 14-16 q/ha grain yield of lentil. It is moderately resistant to aphids & tolerant to wilt.	
8.	Sugarcane	CoPb 09181- It has long (2.0 to 2.5 meter) and thick stem (2.0 to 2.5 cm) having single cane weight (0.90 to 1.25 kg) and early maturing (300 days). Produces cane yield 85-90 t/ha and commercial sugar yield 10-11 t/ha. It has high sucrose content 17-19 %, suitable for cane juice and jaggery purpose. Found moderately resistance to red rot disease.	
Kharif 2017			
9.	Soybean	RKS 113- It is medium tall variety having purple flower, light green leaves and brown hairs on stem & pods. It has medium sized seed with yellow colour and brown hilum. It matures in 98-102 days and gave seed yield of 22-25 q/ha. It has oil content of 18-19 percent. It possesses tolerance to defoliators, stem fly, aphids and leafminer insects and bacterial pustule, YMV, bacterial blight, collar rot and rust diseases.	
10.	Arhar	PAU 881: It is medium plant height (200-210 cm), brown seed colour and 8-9 g seed weight of 100 seed. It matures in 135-140 days and gave average seed yield of 18-22 q/ha.	

Rabi 2017-18			
11.	Wheat	Raj 4238: It is a triticum wheat variety and found suitable for late sown irrigated conditions (up to 20 December). It has 98-102 cm plant height and profuse tillering. It possess bold seed size having 45-47 g test weight, matures in 110-115 days and produces 35-50 q/ha grain yield. It has high degree of resistance to black, brown and yellow rusts under natural and artificial condition.	
12.	Mustard	DRMRIJ 31 (Giriraj): It is found suitable for timely sown irrigated conditions. It has medium seed size having 1000 seed weight 4.83 g and 41.4 % oil content. It matures in 122-124 days and produces grain yield of 20-22 q/ha.	
13.	Mustard	NRCDR 2: It is also found suitable for timely sown irrigated conditions. It posses medium seed size having 1000 seed weight 4.26 g and 40.4 % oil content. It matures in 124-126 days and produces seed yield of 18-20 q/ha.	
14.	Lentil	Kota Masoor2: It is an extra early variety suitable for rainfed situations of central zone in India. It has light green foliage and 38-45 cm plant height. Bold seeds having 3.1 g/100 seed weight. It matures in 98-102 days & produces 14-16 q/ha grain yield of lentil. It is moderately resistant to aphids & tolerant to wilt.	
Rabi 2018-19			
15.	Rajmash	Kota Rajmash 1 (RKR 1033): It is an early maturing variety found suitable for central zone of India. It has medium size (30.7 g/100 seed weight) and brown colour seeds. It matures in 100-105 days produces 17-18 q/ha seed yield.It is resistant to angular leaf spot & anthracnose and tolerant to wilt, bean common mosaic virus & <i>Alternaria</i> leaf spot diseases.	

16.	Coriander	Pratap Raj Dhania 1 (RKD 18): It is suitable for irrigated and high fertility soil conditions of Rajasthan. It has pink flower and medium bold seeds. It matures in 100-105 days, produces 17-22 q/ha seed yield and have more than 0.40 % essential oil content. It is moderately resistant to stem gall & aphids and tolerant to powdery mildew. It also shows lodging resistance.	 Pratap Raj Dhania-1
17.	Sugarcane	Co 0238 (Karan 4): It is an early maturing variety (280-300 days) and having cane length 2.0-2.5 m & cane diameter 2.3 cm. It produces cane yield 78-81t/ha and commercial sugar yield 9.29 t/ha. It has high 18 per cent sucrose content. It is resistant to red rot and wilt disease.	
18.	Sugarcane	Co 09022 (Karan 12): -It is a midlate maturing variety (320-360 days) and produces cane yield 82-85 t/ha and commercial sugar yield 9.90 t/ha with 18.12 % sucrose. It is having single cane length 2.5-2.8 m & cane diameter 2.3 cm. It is resistant to red rot and wilt disease. It is suitable for water logged condition.	
Kharif-2019			
19.	Sesame	RT 346: This variety has stem branched, compact short internodal distance with early growth rapid & vigorous. It has 90-130 cm plant height & white seed coat colour. It matures in 74-84 days with yield potential 7-9 q & 50.2 % oil content.	
20.	Sesame	RT 351: This variety has stem branched, short internodal distance with early growth rapid & vigorous. It has 90-120 cm plant height & white seed coat colour. It matures in 78-92 days with yield potential 7-10 q & 49.7 % oil content.	
Rabi 2019-20			
21.	Coriander	RD 385 (Rajendra Dhania 1): It has 90 cm plant height and test weight 15-17 g. It matures in 117 days, produces 13-15 q/ha seed yield and have more than 0.45 % essential oil content. It is moderately resistant to stem gall disease.	

Kharif 2020			
22.	Soybean	NRC 127- It is medium tall variety, light green leaves and brown hairs on stem & pods. It has white flower, medium sized seed with yellow colour and black hilum. It matures in 97-101 days and gave seed yield of 20-23 q/ha. It has oil content of 18-19 per cent. It possesses resistance to YMV disease. Its seeds have kunitz trypsin inhibitor as an anti-nutritional factor for soybean food use.	
Rabi 2020-21			
23.	Chickpea	GNG 2144 (Teej): This <i>desi</i> chickpea variety bears dual flowers and pods and is suitable for late sowing (first week of December). The seed size is small (100 seed weight 16-17g) and matures in 125-130 days with the seed yield of 25 q/ha. The variety is tolerant to wilt, root rot and ascochyta blight and has 21.09% protein.	
24.	Chickpea	RKG 13-515 (Kota Desi Chana 1) is a medium bold seeded variety (100 seed weight 18-20 gram), matures in 105-115 days and yields 18-20 quintals per hectare. This variety was found resistant to moderate resistance to wilt and dry root rot disease.	
25.	Chickpea	RKKG 13-271 (Kota Kabuli Chana 1) is a medium bold seeded variety (100 seed weight 30-32 gram), matures in 110-120 days and yields 15-18 quintals per hectare. The variety was found moderately resistant to wilt and dry root rot disease.	
26.	Lentil	RKL 605-03 (Kota Masoor 3) is a bold seeded variety (100 seed weight 3.17 gram), matures in 105 days and yields 18-20 quintals per hectare. This variety was found medium resistant to wilt and has a less incidence of pod borer and aphids.	
27.	Field pea	Kota Matar1 (KPF 101): It is a bold shinning seed variety (100 seed weight 19.6 gram), matures in 113 days and yields 19-21 quintals per hectare. This variety was found tolerant to powdery and downy mildew and root knot nematode, lodging resistant due to the presence of tendrils.	
28.	Linseed	Kota Barani Alsi-5 (RL 29005): This variety was found suitable for rainfed situations of Rajasthan. It has white flowers and bold seeds. It matures in 132-135 days, produces 11-14 q/ha seed yield and has more than 36% oil content. It is moderately resistant to <i>Alternaria</i> blight, wilt diseases and bud fly insect.	

Technologies developed

S.No.	Crop	Technology developed
Kharif 2016		
1.	Rice	20-30 th June was found optimum time for direct sowing of rice with the variety Pusa Sugandha 4 and Pusa Sugandha 5
2.		For direct sown basmati rice recommended dose of nitrogen 120 kg/ha applied in 3 splits (1/3 rd N at 10-12 days after emergence, 1/3 rd N at tillering stage and 1/3 rd N at panicle initiation stage) was found appropriate and gave higher yield.
3.		Stem borer and leaf folder insects in paddy crop can effectively control with application of Profenofos 50 EC @ 1.0 l/ha at the initiation of pest and repeat spray, if required after 15-20 days of first spray.
4.		Leaf folder insects in paddy crop can effectively control with application of acephate 75 WP @ 500g/ha at the initiation of pest and repeat if required after 15-20 days of first spray.
5.	Soybean	Application of propaquizafop 2.5 % + imazethapyr 3.75 ME (Ready mix) @ 2.0 l/ha at 20-25 days after sowing (POE) effectively controlled grassy and broad leaved weeds in soybean.
6.	Cauliflower	Maximum curd yield of cauliflower was obtained by basal application of 25 % nitrogen & potash and 100 % phosphorus fertilizer (150:80:80 kg NPK/ha) and application of 75 % nitrogen & potash through fertigation after 15, 30, 45, 60 & 75 days after transplanting.
Rabi 2016-17		
7.	Wheat	Post emergence application of clodinfop propargyl 15% + metsulfuron methyl 1% (readymix) @ 52 g ai/ha dissolve in 500 litre water sprayed at 30-35 DAS (after first irrigation) effectively controlled grassy as well as broad leaved weeds and produces higher grain yield of wheat.
8.	Potato	Basal application of RDF (187.5:125:125 kg NPK/ha) and 0.1 % spray of Boric acid at 40 DAP and resulted maximum tuber yield with minimum tuber cracking in potato.
9.	Lentil	Application of recommended dose of fertilizer (20:40:20:20 kg NPKS/ha) and seed treatment with 1.0 g ammonium molybdate/kg seed & seed inoculation with rhizobium culture + PSB (<i>Bacillus polymixa</i>) + PGPR (RB 2) produces higher grain yield of lentil.
10.	Field pea	Application of recommended dose of fertilizer (20:40:20:20 kg NPKS/ha) and seed treatment with 1.0 g ammonium molybdate/kg & seed inoculation with <i>rhizobium</i> culture + PSB (<i>Bacillus polymixa</i>) + PGPR (RB 2) produces higher grain yield of fieldpea.

11.	Sugarcane	Application of soil test based fertilizer through inorganic sources of NPK (150 + 50 + 30 kg/ha) along with FYM 10 t/ha and soil inoculation with <i>Azotobacter</i> (12.5 kg/ha) + <i>PSB</i> (12.5 kg/ha) every year was found suitable for sustainable production of main and ratoon sugarcane.
12.	Mustard	Honeybees and other pollinators enhance number of siliqua/plant (39.5 %) and seed yield (27.0 %) of mustard.
Kharif 2017		
13.	Urdbean & mungbean	Application of pendimethalin 30 EC @ 1.0 kg ai/ha as pre emergence followed by imazethapyr 10 % SL @ 55 g/ha at 15-20 days after sowing (ensure sufficient moist condition in soil) effectively managed weeds and obtained higher grain yield of urdbean.
14.	Soybean	Two foliar spray of water soluble fertilizer NPK (19:19:19 or 17:44:00) @ 5 g/l water at 45 and 60 DAS obtained higher seed yield of soybean.
15.	Rice	Maximum yield of rice can be obtained under puddled condition by sprinkler irrigations (5-6 at 125% PE) at an interval of 8-9 days.
16.	Zaid okra	Zaid Okra grown after rabi fieldpea, apply 12-13 irrigations by sprinkler at an interval of 7-8 days (IW/CPE 1.0) and application of 100 % recommended dose of fertilizer (60 N:40 P ₂ O ₅ :40 K ₂ O kg/ha) produced higher yield of okra.
17.	Honey bee	Vax moth (<i>Galleria mellonella</i>) effectively managed by sulphur fumigation @ 5 g/comb up to 90 day after fumigation for honey production.
Rabi 2017-18		
18.	Wheat	In wheat crop, two foliar spray of thiosalicylic acid 100 ppm (first at boot leaf stage 75-80 DAS) and second at late milk stage 96-100 DAS harvest maximum grain yield, water use efficiency, net return and B:C ratio.
19.	Field pea	In fieldpea crop, irrigation at IW/CPE ratio of 1.0 (12-15 days interval) through mini sprinkler and each irrigation 3.5 hrs (close 15 minutes mini sprinkler in every 1.5 hrs) with 100 % recommended dose of fertilizer (20 N: 40 P ₂ O ₅ : 20 K ₂ O kg/ha) produced maximum grain yield and saved irrigation water.
20.	Sugarcane	Cane setts soaked in 100 ppm ethrel solution overnight before planting and three foliar spray of GA ₃ 35 ppm at 90, 120 & 150 day after planting was found effective for increasing millable cane, cane yield, commercial cane sugar yield and net return.
21.	IFS	Diversification and intensification of cropping system under integrated farming system modules for marginal and small farmers i.e. QPM (raised bed)-fennel (raised bed) or Soybean (short duration) + red gram (2:1 row)-oat (green fodder)-summer

		mungbean or Sweet corn-fieldpea-onion (transplanting) were found higher soybean equivalent yield, net return and B: C ratio as compared to predominant soybean-wheat cropping system.
22.	Honey bee	Honeybees and other pollinators through pollination exhibited additive effect for enhancing 29.16 per cent seed yield of fennel crop. Among pollinators, honeybees (<i>Apis mellifera</i>) alone through pollination enhances 14.99 per cent seed yield of fennel crop.
Kharif 2018		
23.	Soybean	Application of recommended dose of fertilizer i.e. 20 N : 40 P ₂ O ₅ : 40 K ₂ O kg/ha as basal and foliar spray of DAP 2 % at pod initiation recorded higher seed yield and net return of soybean.
24.		Application of pendimethalin 30 % EC + imazethapyr 2 % SL premix @ 960 g ai/ha (3000 ml/ha) as preemergence or Sulfentrazone + Clomazone 58 % WP (premix) @ 725 g ai/ha (1250 ml/ha) as preemergence was found effective for controlling grassy and broad leaved weeds in soybean.
25.		Application of Fluthiacet-methyl 10.3 % EC @ 121.3 g ai/ha + Non ionic surfactant (NIS) @ 0.25 % <i>fb</i> immediate spray of quizalofopethyl 5 EC @ 50 g a.i./ha at 15-20 DAS as post emergence was found effective for controlling grassy and broad leaved weeds in soybean.
26.	Rice	Sowing of rice variety Pusa Basmati (P 2511) under wet direct broadcast seeded condition gives higher net return and B: C ratio in comparison to normal transplanting and aerobic rice.
27.	Urdbean & Mungbean	Foliar spray of water soluble fertilizer NPK (18:18:18) @ 0.5 % at flower initiation obtained higher grain yield of urdbean.
28.		Sowing of urdbean in broad bed furrow (BBF) system with three rows gave higher urdbean yield under excess and scarce water conditions.
29.	Arhar	Pod borer and Maruka in pigeonpea crop can effectively control with application of chlorantraniliprole 18.5 EC @ 100 g/ha + NAA 40 ppm at flowering followed by Indoxacarb 15.8 EC @ 375 ml/ha at 15 days later after 1 st spray at the initiation of pest.
30.	Arhar	Adoption of integrated crop management practices (i.e. INM + IWM + IPM) gave higher grain yield of pigeonpea`
Rabi 2018-19		
31.	Chickpea	Pre emergence spray of pendimethalin 30 EC @ 1.0 kg ai/ha (commercial dose 3.3 lit/ha) or pendimethalin 38.7 CS @ 1.0 kg ai/ha (commercial dose 2.6 lit/ha) dissolved in 500 litre of water effectively control weeds and produces higher yield of chickpea.
32.	Lentil	Hydrogel 2.5 kg/ha drilled in furrows at a depth of 10 cm and lentil sown over & above in same line alongwith two foliar spray of

		NPK (19:19:19) @ 0.5 per cent at the time of flower initiation & pod development gives higher grain yield and net returns under rainfed/limited irrigation situations.
33.	Garlic	Garlic crop irrigated every third day based on 100 per cent of evaporated water by drip irrigation method and applying 100 per cent recommended doses of fertilizers (120:40:100) in combination of water soluble fertilizers viz., Urea (46:00:00), Potassium Sulphate (00:00:50), Urea Phosphate (17:44:00), Potassium Nitrate (13:00:46) and NPK (19:19:19) in 11 equal splits at an interval of 6-9 days, doses used were 207, 164, 70, 20 and 50 kg/ha, respectively. Application of 50 per cent of nitrogen, potash and 100 per cent of phosphorus should be in first 40 days (6 equal splits) and rest of the nitrogen and potash should be applied in next 35 days (5 equal splits). It has resulted in 17.9 per cent increase in bulb yield and saved 6.1 per cent irrigation water.
34.	Zaid mungbean	In zaidmungbean crop, sprinkler irrigation at IW/CPE ratio of 1.2 (8-10 days interval) for a period of 3.0 hrs per irrigation (close for 30 minutes sprinkler in every 1.5 hrs) with 125 % recommended doses of fertilizers (25 N: 50 P ₂ O ₅ : 37 K ₂ O kg/ha) and foliar spray of 100 ppm thiosalicylic acid at flowering stage increases 48.0 per cent grain yield and 9.4 per cent water use efficiency.
35.	Honey bee	Honeybees and other pollinators enhanced 18.12 per cent seed yield of radish crop through pollination. Among pollinators, honeybees (<i>Apis mellifera</i>) alone contributed 9.07 per cent increase in seed yield of radish.
36.	Ryegrass	Makhangrass sown @ 14 kg/ha seed has given maximum tonnage of green fodder yield (1087/ha).
Kharif 2019		
37.	Soybean	Defoliators in soybean crop can be effectively managed with application of Bt 127 SC @ 3 ml/litre water and obtained higher yield as compared to control.
38.	Urdbean	Application of sodium aciflorfen 16.5% + clodinafop propargyl 8% EC (ready mix) @ 187.5 g a.i./ha (commercial dose 750 ml/ha) at 15-20 DAS as postemergence was found effective for controlling grassy and broad leaved weeds in urdbean.
39.	Pigeonpea	Foliar spray of thiourea 500 ppm (0.5 g/l water) at flower initiation and pod development stage has given higher grain yield of pigeonpea.
40.	Maize	Application of topramezone 33.6 % SC @ 25.2 g a.i./ha (commercial dose 75 ml/ha) or tembotrione 42 % SC @ 120.75 g a.i./ha (commercial dose 287.50 ml/ha) at 15-20 DAS as post emergence was found effective for controlling grassy and broad leaved weeds in maize.

41.	Rice	Aerobic rice cultivation is recommended for the Kota zone.
42.	Crop residue management	In wheat-soybean cropping system, for wheat residue management just after combine harvesting irrigate the field and apply 25 kg urea/ha & 2.0 kg cellulolytic bacteria by mixing in well rotten 50 kg FYM/ha spread in the field and turnover the wheat residues.
40.	Maize	Application of topramezone 33.6 % SC @ 25.2 g a.i./ha (commercial dose 75 ml/ha) or tembotrione 42 % SC @ 120.75 g a.i./ha (commercial dose 287.50 ml/ha) at 15-20 DAS as post emergence was found effective for controlling grassy and broad leaved weeds in maize.
41.	Rice	Aerobic rice cultivation is recommended for the Kota zone.
42.	Crop residue management	In wheat-soybean cropping system, for wheat residue management just after combine harvesting irrigate the field and apply 25 kg urea/ha & 2.0 kg cellulolytic bacteria by mixing in well rotten 50 kg FYM/ha spread in the field and turnover the wheat residues.
Rabi 2019-20		
43.	Chickpea	Application of RDF (20 kg N: 40 kg P ₂ O ₅ /ha) followed by foliar spray of 0.5 % ZnSO ₄ + 0.1 % FeSO ₄ at pre flowering and pod formation stage was gave higher yield and monetary return of chickpea.
44.	Lentil	Application of 100 % RDF (20 N:40 P ₂ O ₅ :20 K ₂ O : 20 S kg/ha) at the time of sowing and seed treatment with ZnO 2 g & FeSO ₄ 2 g/kg seed followed by seed inoculation with biofertilizer LNm43a produces higher grain yield of lentil.
45.	Fieldpea	Application of 125% RDF (25 N: 50 P ₂ O ₅ : 25 K ₂ O : 25 S : 6.25 Zn kg/ha) at the time of sowing and subsequently foliar spray of NPK 19:19:19 @ 0.5% at pre flowering and pod initiation stage produces higher yield of fieldpea.
46.	Water Management (turmeric)	Planting of turmeric on broad bed furrow (2 rows on 75 cm) under drip irrigation (scheduled at 80 % CPE every 3 rd day) and fertigation of 120 kg nitrogen/ha through urea in 22 splits applied at planting to establishment (4 times 20 kg N), active vegetative stage (10 times 75 kg N), rhizome initiation stage (3 times 7.5 kg N) and rhizome maturation stage (5 times 17.5 kg N) obtaining higher tuber yield and net return.
47.	Water Management (Kalongi)	Application of recommended dose of fertilizers (30 N: 60 P ₂ O ₅ : 25 K ₂ O kg/ha) with irrigation at IW/CPE ratio 0.6 (2 irrigations, first at 45-50 DAS and second at 90-95 DAS) gave higher seed yield and net return of kalongi.

48.	Water Management (Wheat)	In zero tillage wheat, sprinkler irrigation at IW/CPE ratio of 0.8 (20-25 days interval) for a period of 4.5 hrs per irrigation (close for 30 minutes sprinkler in every 1.5 hrs) and seed hardening with CaCl ₂ (2%/kg seed) followed by foliar spray of KCl (0.2 %) at booting stage recorded higher grain yield and net return.
49.	Water Management (Clusterben-Chickpea)	In clusterbean-chickpea cropping system, sowing of clusterbean in <i>kharif</i> and chickpea in <i>rabi</i> on broad bed furrow (3 rows on 90 cm) and one irrigation applied at pod development stage to clusterbean & two irrigations applied at flowering and pod development stage to chickpea alongwith foliar spray of thiosalicylic acid 100 ppm at pod initiation was obtained higher yields of clusterbean, chickpea and clusterbean equivalent yield, system productivity and net return.
50.	Sugarcane	In sugarcane, paired row trench planting method (30: 120 cm row spacing) and application of organic mulching @ 6 tonnes/ha was found better in cane yield, commercial cane sugar and net monetary return. In sugarcane based cropping system, sugarcane-ratoon-soybean-wheat cropping system (trash incorporation through rotavator and <i>Trichoderma</i> @ 500 g/ton in corporation before sowing of soybean was found superior for increasing of organic carbon, water holding capacity, nutrient status of soil and increase in yield of wheat crop.
51.	IFS	Urdbean (Broad Bed) + Direct seeded rice (Furrow) – Vegetable pea (Broad Bed) + Coriander leafy (Furrow) - Spring mungbean and Soybean (short duration)-Mustard-Cowpea (green pods + fodder) cropping systems recorded higher soybean equivalent yield and net returns over existing soybean - wheat cropping system for income and nutritional security of small and marginal farmers under Integrated Farming Systems.
Kharif 2020		
52.	Mungbean	Application of sodium aciflourfen 16.5% + clodinafop propargyl 8% EC (ready mix) @ 187.5 g a.i./ha (commercial dose 750 ml/ha) at 15-20 DAS as postemergence was found effective for controlling grassy and broad leaved weeds in mungbean.
53.	Colocacia	Planting of colocacia on broad bed & furrow (2 rows) or ridge & furrow method with irrigation is applied at IW/CPE ratio 1.0 obtained higher rhizome yield.
Rabi 2020-21		
54.	Mustard	In irrigated areas mustard should be sown up to 30 October and row to row spacing 30 to 45 cm and plant to plant 10 cm.
55.		Application of 100 kg nitrogen, 50 kg phosphorus, 30 kg potassium, 50 kg sulphur and 30 kg zinc sulphate /ha was found

		effective for obtaining higher silique/plant, seed yield, net return and B: C ratio of mustard in Urdbean-Mustard cropping system in irrigated conditions.
56.		Soil application of hydrogel 2.5 kg/ha with recommended phosphatic fertilizer and one foliar spray of salicylic acid 200 ppm at flower initiation stage in standing crop was found beneficial for obtaining sustainable higher seed yield, WUE and B:C ratio of Indian mustard under restricted irrigation conditions.
57.	Intercropping	Chick pea + Mustard (5:2) inter cropping system gave higher chick pea equivalent yield net return which was also found suitable for mechanization
58.	Wheat	One irrigation skip at late tillering stage and foliar spray of putrescine 75 ppm at late tillering stage was recorded significantly higher grain yield (4375 kg ha ⁻¹), water use efficiency (15.62 kg ha-mm ⁻¹) and net return (Rs. 61286 ha ⁻¹) as compared to skip irrigation at booting and milk stage. While, one irrigation skip at late tillering stage and foliar spray of putrescine 25 ppm at late tillering stage was recorded significantly higher B: C ratio (2.13) as compared to higher doses of foliar spray of putrescine with skip irrigation at late tillering stage.
59.	Colocasia	Planting of colocasia on broad bed furrow (2 rows) with irrigation schedule at IW/CPE 1.0 gave higher tuber yield (209.0 q ha ⁻¹), water use efficiency (20.1 kg ha-mm ⁻¹), net return (Rs. 190322 ha ⁻¹) and B: C ratio (1.55) over IW/CPE 0.6 with flat planting.
60.	Ryegrass	Sowing of rye grass between 25 th October to 5 th November appear to be beneficial for obtaining higher green fodder, dry fodder net return and B:C ratio. Application of nitrogen @ 150 kg per ha gave significantly higher yield, net return and B:C ratio.

Horticulture technologies developed during last five years

S.No.	Crop	Technology developed
Kharif 2016		
1.	Cauliflower	Maximum curd yield of cauliflower was obtained by basal application of 25 % nitrogen & potash and 100 % phosphorus fertilizer (150:80:80 kg NPK/ha) and application of 75 % nitrogen & potash through fertigation after 15, 30, 45, 60 & 75 days after transplanting.
Rabi 2016-17		
2.	Coriander	30 th October to 15 th November was found optimum sowing time of coriander and recorded minimum incidence of stem gall disease and higher grain yield.
3.	Coriander	Stem gall disease of coriander effectively controlled by seed treatment with hexaconazole 5 EC or propiconazole 25 EC @ 2.0

		ml/kg seed and three foliar spray of hexaconazole 5 EC or propiconazole 25 EC @ 2.0 ml/litre water at 45, 60 & 75 days after sowing.
4.	Chilli	Thrips in chilli is effectively managed by seed treatment with imidacloprid 48 % FS @ 10 ml/kg seed followed by deeping of seedlings in imidacloprid 17.8 SL @ 2 ml/litre & foliar spray of diafenthiuron 50 % WP @ 1g/litre need based on 15 days interval at the initiation of insect.
5.	Grapes	Thrips in grapes is effectively controlled by three foliar spray of buprofezin 25 SC @ 1.0 ml/litre at flowering, fruit setting and 15 days after second spray.
6.	Guava	Guava wilt disease managed by three drenching of propiconazole 25 EC@1.5 ml/lit (at least 20-30 lit solution) at before on set of monsoon (last week of June), after withdrawal of monsoon (first week of October) and after harvesting (first week of April)
Rabi 2017-18		
7.	Potato	Thiomethoxam 25 WG @0.5g/l or Diafenthiuron 50 WP @1g/l was found most effective for reducing jassids population in potato.
8.	Coriander	Powdery mildew in coriander effectively managed by three spray of wettable sulphur 80 WP @3g/l water or organically three sprays of cow urine 10 l + 2 kg neem leaves solution (keep it for 6-7 days and use extract for spray) @ 10 ml/l at flower initiation, seed setting and 15 days after the 2 nd spray.
9.	Tomato	In tomato Alternaria blight effectively controlled by spray of mancozeb 63 % + carbendazim 12 % WP @ 2 g/l or mancozeb 64 % + metalaxyl 8 % WP @ 2 g/l at the time of disease initiation and repeat spray after 15 days interval.
10.	Tomato	Leaf curl disease in tomato effectively managed by three spray of thiomethoxam 25 WG @ 0.3 g/l at 15 days interval after transplanting.
Kharif 2018		
11.	Chilli	Maximum yield of chilli was obtained with application of 7.5 ton vermicompost + chemical RDF (70:48:50 NPK kg/ha). Full dose of vermicompost, phosphorous and potash and 50 % of nitrogen (35 kg) applied at the time of final land preparation and 50 % of nitrogen (35 kg) applied at 25-30 days after transplanting
12.	Chilli	Two sprays of Cymoxanil 8 % + Mancozeb 64 % WP @ 1.5 g/lit or Carbendazim 12 % + Mancozeb 63 % @ 2 g/lit at 15 days interval were found effective for controlling leaf spot disease in chilli.
13.	Okra	Four sprays of Diafenthiuron 50 WP @1.0 g/lit. or Acetamiprid 20 SP @ 0.2 g/lit were found effective in controlling yellow vein mosaic disease incidence and higher yield of okra.

Rabi 2018-19		
14.	Potato	Spray of Cyantraniliprole 10 % OD @ 600 ml/ha was found most effective for controlling sucking pests in potato. Repeat spray after 15 days, if needed.
15.	Tomato	Fruit borer in tomato can be effectively controlled by three sprays of NPV 250 LE/ha or Beauveriabassiana @ 5 ml/l at 15 days interval after incidence of insect.
Kharif-2019		
16.	Onion	Pendimethalin 30 EC @ 1.0 kg a.i./ha before transplanting followed by oxyflourfen 23.5 EC @ 0.240 kg a.i./ha at 30 DAT (days after transplanting) was found effective for controlling weeds and obtained higher yield of onion.
17.	Onion	Onion variety Bhima Raj and Bhima Red was found suitable in yield for the Kota zone.
18.	Onion	Black fly in mandarin can be controlled by foliar spray of imdacloprid 17.8 SL @ 0.5 ml/l water at initiation of pest followed by Fenpropathrin 30 EC @ 1.0 ml/l water at 15 days interval in the month of August.
19.	Orange	Black fly in mandarin can be managed by foliar sprays of bio-agent Lecanicilliumlecanii @ 5.0 ml/l water at 10-12 days interval in the month of August-September.
20.	Papaya	Sucking pest (white fly) in papaya can be effectively managed by three foliar sprays of bio-agent Lecenicilliumlecanii @ 5.0 ml/l water at 10 days interval.
Rabi 2019-20		
21.	Garlic	Application of pendimethalin 30 EC @ 1.0 kg a.i./ha as preemergence followed by oxyfluorfen 23.5 EC @ 0.240 kg a.i./ha at 30 days after planting was found effective for controlling weeds and produces higher yield of garlic. Post emergence application of oxadiargyl 6 EC @ 0.090 kg a.i./ha at 10 days after planting was found effective for controlling weeds and produces higher yield of garlic.
22.	Onion	Bhima Shubhra: It is a round shape variety of white onion. It is found suitable for rabi season. It matures in 120-125 days after transplanting. It has bulb weight 90-95 g and produces 500-600 q/ha. It has minimum percentage of bolting.
23.	Citrus	Citrus canker can be effectively control by 3 spray of 2-bromo-2-nitro propane 1,3-diol (Bacterinashak) @ 0.25 g/litre + copper oxychloride @ 3 g/litre of water first spray at disease initiation on leaves and second or third spray was done after 15 days interval.
Rabi 2020-21		
24.	Tomato	Transplanting of hybrid varieties of tomato is recommended at the spacing of 75X45 cm. Fertilizer doses of NPK (225:150:100) kg/ha is recommended for hybrid tomato varieties.

25.	Fenugreek	For the control of aphid in fenugreek spray of thaimethoxam 25 WG @ 0.5 gm/l is recommended. It may be repeated at 15 days' interval as per need.
26.	Coriander	For the control of aphid in coriander spray of Diafenthiuron 50 WP @ 1 gm/l or bio-pesticide azadirachtin 10000 PPM @ 2ml/l by using knapsack sprayer at 30 days after flower initiation is found effective. For the control of aphid in coriander spray of lantana leaf extract @ 10% +Parthenium leaf extract @ 10% + Dhatura leaf extract @ 10% is effective. It may be repeated at 10 days' interval as per need.
27.	Pomegranate	For the control of aphid in pomegranate foliar spray of bio agent Beauveria bassiana @ 5ml/l is effective. It may be repeated at 10 days interval as per need.

Research Paper Publication (NAAS rating 5 and above)

Year 2016

S. No.	Authors	Title	Journal/Publisher	NAAS rating
1.	Balram Meena, S.K Moond, R.R. Meena, Pravin Singh and Dhara Singh	Effect of Genotype and Planting Geometry on Flower Quality and Vase Life of Gladiolus (Gladiolus X Hybrids Horti)	<i>The BioScan</i> 11(4):2711-2714	5.26
2.	Dhaka, B. L. and Meena, G. S.	Identification of Constraints in Adoption of Improved Dairy Farming Practices in Bundi District of Rajasthan.	<i>Indian Journal of Extension Education</i> , 52 (1 & 2): 87-90	5.32
3.	Jat, M.L., Dagar, J.C., Sapkota, T.B., Singh, Y., Govaerts, B., Ridaura, S.L., Saharawat, Y.S., Sharma, R.K., Tatarwal, J.P., Jat, R.K, Hobbs, H. and Dtiirling, C.	Climate change and agriculture: Adaptation strategies and mitigation opportunities for food security in South Asia and Latin America.	<i>Advances in Agronomy</i> . 137: 127-236.	9.89
4.	Meena, B.S. and Baldev Ram	Effect of integrated nutrient management on productivity, soil fertility and economics of blackgram (<i>Vigna mungo</i>) varieties under rainfed condition.	<i>Journal of Legume Research</i> 39(2):268-273.	6.12
5.	Om Prakash Patidar, Chirag Gautam, Girish Tantuwai, Sunil Kumar, Ashok Yadav, Dharam Singh Meena and Arvind Nagar	RNA-guided Genome editing tool CRISPR-Cas9: its Applications and Achievements in Model and Crop Plants	<i>Journal of pure and Applied Microbiology</i> 10(4):	5.00(**)
6.	Pawan Kumar Pareek, P. Bhatnagar, J. Singh, M.C. Jain and M.K. Sharma	Nitrogen and vermicompost interaction on soil and leaf nutrient status of Kinnow mandarin in vertisols of Jhalawar District.	<i>Journal of Plant Nutrition</i> 39: 942-48	6.75
7.	Pravin Singh, Kavita Aravindakshan, I. B. Maurya, Jitendra Singh and D. K. Patidar	Effect of potassium and foliar zinc application on quality of sweet potato (<i>Ipomoea batatas</i> L.) Cv. Co-34 Under sub-humid condition of Rajasthan	<i>The BioScan</i> 11(2):1315-18.	5.26
8.	Regar, A. L., Thumar, B.V., Mahawer, L. N., Chawla, S. L. and Meena, N.K.	Effect of spacing and nitrogen on floral and vase life parameters of gladiolus (<i>Gladiolus grandiflorus</i> L.) Cv. American Beauty.	<i>The BioScan</i> . 11(1): 539-542.	5.26

9.	Sunil Kumar, M. Martin Luther, R. N. Meena, Vikram Kumar	Thermal requirements, heat use efficiency and plant responses of gum guar (<i>Cyamopsis tetragonoloba</i> cultivars under different environment.	<i>Journal of Agrometeorology</i> . Volume 18, Number 2, December 2016.	6.64
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Year 2017

S. No.	Authors	Title	Journal/Publisher	NAAS rating
1.	Alka Dev, Preeti Verma and Bheru Lal Kumhar	Genetic Character Variability Studies in Desi Chickpea (<i>Cicer arietinum</i> L.) Genotypes.	<i>Inte. J. Current Microbio. And Appl. Sci.</i> 6(4): 20 – 25.	5.38
2.	Alka Dev, Preeti Verma and Bheru Lal Kumhar	Genetic variability of agronomic traits of gram (<i>Cicer arietinum</i> L.) genotypes.	<i>Chemical Science Review and Letters</i> 6(22): 676 – 683.	5.21
3.	Arvind Nagar, Amish Kumar Sureja, Sandeep Kumar, A.D. Munshi, S. Gopalakrishnan and Rakesh Bhardwaj	Genetic Variability and Principal Component Analysis for Yield and its Attributing Traits in Pumpkin (<i>Cucurbita moschata</i> Duchesne Ex Poir.)	<i>Vegetos- An International Journal of Plant Research</i>	5.00
4.	Arya, C. K., Singh, Bhim, Purohit, R.C. and Dashora, L.K.,	Development of Rotational Water Allocation Plan for a Command Area of Som-Kagdar Irrigation Project	<i>Int. J. Curr. Microbiol. App. Sci.</i> , 6(8): 1808-1817	5.38
5.	Arya, C.K., Purohit, R.C., Dashora, L.K., Singh, P.K. and Kothari, M.	Estimation of Irrigation Water Requirement of Drip Irrigated Bell Pepper (<i>Capsicum annuum</i> L. var. Grossum) in Jhalawar District of Rajasthan.,	<i>Chemical Science Review and Letters. Vol</i> 6(21):225-230	5.21
6.	Arya, C.K., Purohit, R.C., Dashora, L.K., Singh, P.K. and Kothari, M.	Performance Evaluation of drip irrigation systems	<i>Int. J. Curr. Microbiol. App. Sci. Vol</i> 6(4):2287-2292	5.38
7.	B.K. Patidar, K. N. Ojha and I.U. Khan	Role of Honey bee (<i>Apis mellifera</i>) in Enhancing Yield of Mustard in Humid Region of Rajasthan, India.	<i>Inte. J. Current Microbio. And Appl. Sci.</i> ,6 (7):1879-1882.	5.38
8.	B.L. Dhaka, G.S.Meena and N.L.Meena	Reproductive performance of Buffaloes Under Field Conditions in Bundi District of Rajasthan.	<i>Inte. J. Current Microbio. And Appl. Sci.</i> 6 (4): 595-599	5.38
9.	Bacchu Singh, G.S. Meena, K.C.Meena, R.K.Meena, Bacchu Singh and Deepa Indoria.	Effect of a wonder herb Azolla on Buffaloes Milk Yield.	<i>Int. J. Curr. Microbiol. App. Sci.</i> , 6 (11): 1059-1066	5.38

10.	Bairwa, R.K., B.L. Dhaka, M.K. Poonia, B.L. Nagar and Balai, C.M.	Coriander a Potential Seed Spice Crop of Humid South Eastern Plains Zone of Rajasthan- A Review Article.	<i>International Journal of Current Microbiology and Applied Sciences</i> 6(4): 2385-2391	5.38
11.	Bola, P.K., Jain, S.K. and Anupama	Chitosan and Shelf Life of Fruits: A Review,	<i>Chemical Science Review and Letters</i> , 6(21), 371-375	5.21
12.	Choudhary A., A. Mishra, M.K. Rolaniya and M. Dhayal, R. Choudhary and Asha Sharma	African Marigold is response to foliar application of Zinc and Salicylic acid.	<i>Chem. Sci. Rev. Lett.</i> 6 (21): 305-308	5.21
13.	Deepa Indoria, Bharti, R. L. Solanki and Bacchu Singh Meena	Compact Study of knowledge Levels of Trained Farmers about Vegetable Cultivation Practices”	<i>Int. J. Curr. Microbiology. App. Sci</i> (2017) 6(9): 2329-2334.	5.38
14.	Dhaka, B. L. Meena, G. S., Meena, N. L., Bairwa, R. K. and Nagar, B. L.	Constraints Analysis in Adoption of Improved Dairy Farming Practices in Bundi District of Rajasthan.	<i>Chemical Science Review and Letters</i> 6(22), 995-999	5.21
15.	Dhaka, B. L.; Meena, G. S.; Bairwa, R. K. and Meena, N. L.	Supplementing Rural Livelihoods through Backyard Poultry Farming	<i>Int. J. Curr. Microbiol. App. Sci.</i> , 6(4): 1412-1415	5.38
16.	Dhaka, B.L., Bairwa, R.K, Meena, N.L., Meena, G.S., Chayal, K. and Nagar, B.L.	Training Needs Assessment of Women Farmers on Livestock Production Management in Bundi District of Rajasthan, India.	<i>International Journal of Current Microbiology and Applied Sciences</i> 6(6): 796-803	5.38
17.	Dr. Chamandeep Kaur, Prof. Archana Raj Singh and Dr.L. R. Choudhary	Utilization of Reproductive Health Care Programmes by Rural Women of Bikaner District, India	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706 Volume 6 Number 7 (2017)	5.38
18.	Dr. Chamandeep Kaur, Prof. Dhriti Solanki and Dr.L. R. Choudhary	Knowledge and Adoption of Improved Post Harvest Technologies of Maize by Farm Women of Agro-climatic Zone IV a of Rajasthan, India	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706 Volume 6 Number 7 (2017)	5.38
19.	Dr. Chamandeep Kaur, Prof. Dhriti Solanki and Dr.L. R. Choudhary	Gap in Knowledge and Adoption of Improved Maize Production Technologies among Farmers of Agro-Climatic Zone IV A of Rajasthan, India	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706 Volume 6 Number 8 (2017)	5.38
20.	Dr. L.R. Choudhary, Prof.B.S. Bhimawat and Dr. Chamandeep Kaur	Socio-psychological and Educational constraints constraints faced by agricultural research scholars while using internet of Agriculture Science in MPUAT, Udaipur (Rajasthan), India	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706 Volume 6 Number 7 (2017)	5.38

21.	G.S. Meena, B.L. Dhaka, Bacchu Singh, R.K. Meena and K.C. Meena	Effect of Azolla as feed supplement on milk yield in buffaloes	<i>Int. J. Curr. Microbiology. App. Sci.</i> 6(12): 3490-3494.	5.38
22.	GE Sachin, I B Maurya, Kavita A. and Ompraksah Sahu	Studies on Heterosis and Combining ability in Ridge Gourd (<i>Luffa acutangula</i> (L) Roxb)	<i>Int. J. Curr. Microbial. App. Sci</i> 6(10) xx-xx	5.38
23.	Harphool, Meena, P.K.P. and Kumhar, B.L	Performance of inter specific cotton hybrids under various plant geometries and nutrient levels	<i>Chemical Science Review and Letters</i> 6(23):1465-1467	5.21
24.	Indira Yadav , Jitendra Singh, Bharat Meena, Pravin Singh, Sanjay Meena, Shraddha Neware and D. K. Patidar	Strawberry yield and yield attributes after application of plant growth regulators and micronutrients on cv. Winter Dawn.	<i>Chemical Science Review and Letters</i> 6(21): 589-594	5.21
25.	Indira Yadav, Jitendra Singh , I. B. Maurya, Bharat Meena and Balram Meena	Influence of plant growth regulators on runner production and yield of strawberry (<i>Fragaria × ananassa</i> duch) cv. Winter dawn under green house condition.	<i>The Bio-Scan</i> 2(1): 255-58.	5.26
26.	Jat, M.L., Singh, V. Stirling, C.M, Jat, H.S., Tatarwal, J.P., Jat, R.K, Singh, R., Ridaura, S.L., and Shirsath, P. B.	Soil Processes and wheat cropping under emerging climate change scenarios in South Asia.	<i>Advances in Agronomy</i> 148: 111-129.	10.38
27.	Jetawat, R. S., Ratnoo, R. S., Singh, H. and Chandra Veer	Effect of fungicides against dry root rot of chilli caused by <i>Rhizoctonia solani</i> .	<i>International Journal of Chemical Studies</i> , 5(6): 2177-2178	5.31
28.	Khan IU, Verma P, Rathore BS, Verma JR and Sharma LK	Genetic variability for essential oil, polyphenols and antioxidant activity of coriander (<i>Coriandrum sativum</i> L.) genotypes grown in humid south eastern plain zone V of Rajasthan.	<i>International Journal of Chemical Studies</i> 5(5): 2292-2297.	5.31
29.	Khatik V.K. and Mishra A.	Influence of Growing Media and Indole Butyric Acid on Damask Rose Cuttings (<i>Rosa damascena</i> Mill.) var. Ranisahiba	<i>Vegetos</i> 30 (Special):262-266	5.0
30.	Khushboo Gupta, Mamta Tiwari, Gunjan Sanadya	Quality Assessment of Fresh Squashes through Organoleptic Analysis Hedonic Test	<i>International journal of current microbiology and applied science</i> September, 2017	5.38
31.	Lokesh Kumar Meena, Chandra Sen and Saket Kushwaha	Cluster Analysis to Form Similarity for Major Selected Crops in Rajasthan, India	<i>International Journal of Current Microbiology and Applied Sciences</i>	5.38

32.	Mamta Tiwari	Impact of Nutritional Practices on Rural Women through Series of Extension Games	<i>International journal of current microbiology and applied science</i> October, 2017	5.38
33.	Mamta Tiwari, Gunjan Sanadya, Khushboo Gupta	Skill development among youth under food processing training programmes	<i>International journal of current microbiology and applied science</i> August, 2017	5.38
34.	Manish Kumar Meena , MC Jain , Jitendra Singh And Manoj Kumar Sharma	Effect and economic feasibility of preharvest spray of calcium nitrate, boric acid and zinc sulphate on yield attributing character of Nagpur mandarin (Citrus reticulata blanco.)	<i>International journal of chemical studies</i>	5.31
35.	Meena, Harphool, Meena, P.K.P., Narolia, R.S. and Kumhar, B.L.	Grassy weed management in cotton under humid southern plain zone of Rajasthan	<i>Chemical Science Review and Letters</i> 6(22) :1018-1021	5.21
36.	Meena, Harphool, Meena, P.K.P. and Kumhar, B.L.	Evaluation of hirsutum cotton varieties under various fertility levels and plant geometries	<i>International Journal of Current Microbiology and Applied Science</i> 6(7) :541-544	5.38
37.	Meena, Harphool, Meena, P.K.P. and Kumhar, B.L.	Agronomic evaluation of promising pre-release inter specific cotton hybrids	<i>International Journal of Current Microbiology and Applied Science</i> 6(7) :725-728	5.38
38.	Meena, Harphool, Narolia, R.S., Singh, P., Meena, P.K.P. and Kumhar, B.L.	Response of different seed rate on the productivity of hybrid fodder sorghum (sugargraze) in south -east Rajasthan	<i>International Journal of Current Microbiology and Applied Science</i> 6(5):1978-1982	5.38
39.	Nagar A., Sureja, A.K., Kar A., Bhardwaj R., Krishnan S.G. and Munshi A.D.	Variability, Correlation and path Analysis Studies in Pumpkin (Cucurbita Moschata Duchesne ex Poir.)	<i>Chemical Science Review and Letters</i>	5.21
40.	Nagar K.K., A. Mishra, S.S. Patil and P.K. Bola	Statistical analysis on growth and quality on Gladiolus (<i>Gladiolus hybridus</i> Hort.)	<i>Chem. Sci. Rev. Lett.</i> 6 (21):309-314	5.21
41.	Nagar, A., Sureja, A.K. and Munshi A.D	DUS characterization of pumpkin (Cucurbita moschata Duchesne ex Poir.) genotypes	<i>Indian Journal of Agricultural Sciences</i>	6.17
42.	Nagar, A., Sureja, A.K., Munshi A.D., Bhardwaj, R. Kumar, S., Tomar, B.S.	Heritability, correlation and genetic divergence for different seed traits in pumpkin (Cucurbita moschata Duchesne ex Poir.)	<i>Indian Journal of Agricultural Sciences</i>	6.17
43.	Nagar, K.K., A. Mishra, S.S. Patil and P.K. Bola	Effect of planting dates and varieties on growth and flowering on gladiolus (<i>Gladiolus hybridus</i> Hort.) under sub humid zone of Rajasthan	<i>Chem. Sci. Rev. Lett.</i> 6 (21):376-381	5.21

44.	Nupur Sharma, Kaushik, M.K., Kumari, S. and Yadav, V.K.	Effect of QPM hybrids (<i>Zea mays</i> L.) on nutrient uptake and quality under different plant population and nutrient management practices.	<i>Journal of Pharmacognosy and phytochemistry</i> 6(4) : 239-241.	5.21
45.	Patidar, Dharmendra Kumar; Maurya, I.B.; Singh, Jitendra; Singh, Pravin, and Khatik, Vikas Kumar	Effect of boron, zinc, iron and their treatment combinations on growth and yield of gynoeocious cucumber under polyhouse condition.	<i>The Bioscan</i> 12(1): 619-23.	5.26
46.	Patil, S., Mishra, A., Nagar, K.K. and Kumar, C.	Evaluation of Chrysanthemum (<i>Chrysanthemum morifolium</i> Ramat) varieties for flowering traits under ecological conditions of Sub-humid zone of Rajasthan	<i>Chem. Sci. Rev. Lett.</i> 6 (22):1338-1342	5.21
47.	Poonia, M. K.; Singh, M.; Dhaka, B. L.; Bairwa, R. K. and Kumhar, B. L.	Impact of Front Line Demonstration on the Yield and Economics of Coriander in Kota District of Rajasthan, India.	<i>Int. J. Curr. Microbiol. App. Sci.</i> , 6(3): 2344-2348.	5.38
48.	Preeti Singh, Seema, S. P. Goswami, Sunita Choudhary and Sunil Kumar	The Role of Soil Microbes in Plant Nutrient Availability	International Journal of Current Microbiology and Applied Sciences. Volume 6 Number 2	5.38
49.	R.K. Nagar, S.B.S. Pandey, Amol Vasishth, P.S. Chauhan and J.S. Ranawat	Economics of <i>Aloe barbadensis</i> cultivation suitable for South-East Region of Rajasthan.	<i>The Pharma Innovation Journal</i> 6(9):303-305.	5.03
50.	R.K.Meena, B.L. Meena, B. S. Meena and Bachchu Singh	Extent of Adoption of Improved Production Practices of Mustard by the Farmers	<i>International Journal of Current Microbiology and Applied Sciences.</i> (2017)6(10): 2258-2264	5.38
51.	R.R. Meena, K.L. Jeengar, B.L. Meena, P. Bhatnagar and P.L. Meena	Analysis of Adoption and Constraints perceived by Mandarin Growers in Jhalawar district of Rajasthan state, India	<i>International Journal of Current Microbiology and Applied Sciences</i>	5.38
52.	S.M. Rahaman, Jyoti Bharti, Meera Kumari, L.K. Meena and S.L. Bairwa	Conceptualization of Vulnerability, its Linkages to Climate Change and Policy Implications	<i>International Journal of Current Microbiology and Applied Sciences</i>	5.38
53.	Seema, R. Meena, Sunita Yadav, S.S. Jatav, R.N. Meena and Sunil Kumar	Effect of Zinc Sulphate and Organics on Zinc Content and Yield of Spinach Grown in Inceptisol of Varansi	<i>International Journal of Current Microbiology and Applied Sciences</i>	5.38
54.	Sharma, N., Kaushik, M.K. and Yadav, T.K.	Response of quality protein maize hybrids (<i>Zea mays</i> L.) on growth parameters under different plant population and	<i>International journal of Chemical Studies</i>	5.31

		nutrient management practices		
55.	Sharma, S. A. Mishra, S.K. Moond, Vikee, and A.K. Sharma	Effect of Different Chemicals on Vase life of Gladiolus Varieties (<i>Gladiolus hybridus</i>)	<i>Journal of Pharmacognosy and Phytochemistry</i> .6(6):498-501	5.21
56.	Sharma, Y. K.; Singh, Jitendra; Bhatnagar P.; Chander, S; and Choudhary K. C.	Evaluation of Cape gooseberry (<i>Physalis peruviana</i> L.) under humid agro- climatic condition of Jhalawar	<i>Chemical Science Review and Letters</i> 6(22):1266-69.	5.21
57.	Shilpa Devi, Manish Kumar, Kuldeep Thakur, N K Bharat, R K Dogra, and Arvind Nagar	Variability, Correlation and Path Analysis in Pea (<i>Pisum Sativum</i> L.) Genotypes Under Western Himalayan Conditions	<i>Chemical Science Review and Letters</i>	5.21
58.	Singh Mahendra, M.K.Poonia, K.M.Sharma, M.C.Goyal and B.L.Kumhar	Yield gap analysis of mustard crop: A case study of village Chomakot in Kota district.	<i>Chemical Science Review and letters</i> , 6(22): 671-675	5.21
59.	Singh, R.R., Meena, L.K. and Singh, P.	High Tech Nursery Management in Horticultural Crops: A Way for Enhancing Income	<i>International Journal of Current Microbiology and Applied Sciences</i>	5.38
60.	Subhash Chander, M.C. Jain, P. K. Pareek P. K. Bola, R. R. Meena, Y. K. Sharma and Renuka	Effect of foliar feeding of borax,zinc sulphate and urea on fruiting and yield of guava (<i>Psidiumguajava</i> L.)Cvs. Lalit and Shweta under high density planting system	<i>Chemical Science Review and Letters</i>	5.21
61.	Sunita Choudhary, Manish Kushwaha, Seema, Preeti Singh, R. Sodani ³ and Sunil Kumar	Cow Urine: A Boon for Sustainable Agriculture	<i>International Journal of Current Microbiology and Applied Sciences</i> . Volume 6 Number 2 pp. 1824-1829	5.38
62.	Verma, M., Chaoudhry, M. R. Mahawar, A. K. Singh, S. P. and Meena, N. K.	Response of thiourea and zinc on quality characteristics and economics of cauliflower (<i>Brassica oleracea</i> var. botrytis L.).	<i>Chemical Science Review and Letters</i> 6(22): 1285-1289	5.21
63.	Vinod Suthar, K. Aravindakshan and P.K. Bola	Effect of sowing date and spacing on growth, yield and quality of broccoli (<i>Brassica oleracea</i> var. <i>italica</i>) var. Green Head	<i>Chem Sci Rev Lett</i> , 6(21): 209-212	5.21
64.	Yadav, T.K., Choudhary, R.S., Jat, G., Singh, D. and Sharma, N.	Effect of Weed Management Practices on Yield Attributes, Yield and Economics of Maize (<i>Zea mays</i> L.).	<i>Chemical Science Review and Letters</i> 6(23): 1452-56	5.21

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S. No.	Authors	Title	Journal/Publisher	NAAS rating
1.	Aditya Kumar Jayant, N.M. Poonacha, G.M. Devagiri, Vijay Kumar Yadav and Chauhan, P.S.	Effect of Seed Storage and Seed Treatments on Seedling Growth of <i>Garcinia gummi-gutta</i> (L.) Roxb. in Ponnampet, Western Ghat.	<i>Int. J. Curr. Microbiol. App. Sci.</i> 7(06): 3874-3880.	5.38
2.	Arjun Kumar Verma, Harish Verma, Mohmmad Yunus, Arvind Nagar and Sewa Ram Rundla	Wheat varieties for heat stress condition of Jhalawar, Rajasthan	<i>Indian Journal of Agronomy.</i>	5.46
3.	Arvind Nagar, Amish Kumar Sureja, Abhijit Kar, Rakesh Bhardwaj, S. Gopala Krishnan, Anilabha Das Munshi	Profiling of Mineral Nutrients and Variability Study in Pumpkin (<i>Cucurbita moschata</i>) Genotypes	<i>Agriculture Research</i>	5.90
4.	B.K. Patidar, N.R. Koli and C.B. Meena	Bio-Efficacy and Economics of Effective Dose of Combination and Alone of Insecticides against Insect-Pests of Rice.	<i>International Journal of Current Microbiology and Applied Sciences</i> 7 (8):192-198.	5.38
5.	Bacchu Singh, G.S. Meena, K.C.Meena and Navab Singh	Feeding and Health Care management Practices adoption by Sheep farmers in Karauli district of Eastern Rajasthan, India	<i>International Journal of Current Microbiology and Applied Sciences.</i> (2018) 7(2): 309-316.	5.38
6.	Bairwa, R. K., Dhaka, B. L., Meena, N. L, Meena, G .S. and Nagar, B.L.	On farm assessment of foliar application of soluble NPK on yield and economics of wheat at farmers fields in humid south eastern plain (V) of Rajasthan.	<i>IJ Sci. Environment and Technology.</i> 7(3):882-887	5.38
7.	Bhatnagar Prerak and Singh J.	Morphometric survey and evaluation of custard apple genotypes in South Eastern Rajasthan.	<i>International journal of chemical studies.</i> 6 (6): 1257-61.	5.31
8.	C.B Meena, P.Bhatnagar, R.R Meena, V.C Prahlad and Ashok Kumar	First report of Black pod in tamarind due to <i>Aspergillus niger</i> from India	<i>International Journal of Current Microbiology and Applied Sciences</i> 7(4):1127-1130	5.38
9.	Chaudhary, H.R. and Meghwal, H. P.	Efficacy of Spinatoram against green semilooper, <i>Chrysodeixis acuta</i> Walker infesting Soybean.	<i>Indian Journal of Entomology,</i> 80 (3): 652-653	5.89
10.	J Choudhary, Urmila, Mohan Lal Jat and Mohammed Mohsin	Impact of integrated nutrient management in enhancing productivity of barley (<i>Hordeum vulgare</i> L.) in Southern Rajasthan.	<i>International Journal of Chemical Studies</i> 2018; 6(5): 2363-2365	5.31

11.	K.C. Meena, B.L. Meena, G.S. Meena and Hukam Singh Kothyari.	An Impact Analysis of Frontline Demonstrations on Blackgram in Hadauti Region of Rajasthan, India.	<i>Int.J.Curr.Microbiol.App. Sci</i> 7(1): 1720-1727	5.38
12.	Kirti and Meena, L. K.	A Study on Aspiration Profile of Digital Natives	<i>Multilogic In Science.</i>	5.20
13.	Koli N.R., Patidar B.K., Manoj Kumar and Sandhya	Biparental Mating; A System of Intermating for Creating Genetic Variability in Segregating Generation for Crop Improvement.	<i>International Journal of Current Microbial Applied Science</i> 7(8): 3592-3598	5.38
14.	Lekha, Hemant Swami, SK Jat and KL Jeengar	Bio efficacy of Dinotefuran (20% SG) against major sucking pests of Brinjal.	<i>Journal of Entomology and Zoology Studies</i> , 6 (2), 1832-1837.	5.53
15.	Lekha, S. K. Jat, Hemant Swami and M.K. Mahla	Bio Efficacy of Newer Insecticide Tolfenpyrad (15% EC) Against Shoot and Fruit Borer of Brinjal.	<i>Chemical Science Review and Letters</i> , 7 (26), 625-630.	5.21
16.	Manish Kumar and Prahlad V.C.	Natural regeneration status of Dhav (<i>Anogeissus pendula</i> Edgew.) forests in Jhalawar forest division.	<i>Journal of Pharmacognosy and Phytochemistry</i> 7 (2),585-588	5.21
17.	Manisha Dhayal and Kavita Aravindakshan	Vermicompost, mycorrhiza and micronutrient mixture improve okra yield	<i>International Journal of Chemical Studies</i> 6(3)1795-1797	5.31
18.	Meena, B., S.K. Moond, A. Mishra, J.Singh and R.R. Meena	Effect of Genotype and Planting Geometry on Vegetative Growth, Flower Yield and Quality of Gladiolus (<i>Gladiolus hybridus</i>).	<i>Multilogic in Science</i> .8:543-546	5.20
19.	Meena, B.S., Meena, D.S. Meena, K.C. and Meena, C.B.	Enhanced Mustard Productivity and Profitability through Frontline Demonstrations in South-Eastern Rajasthan, India.	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706 Volume 7 (07):800-805.	5.38
20.	Meena, B.S., Meena, D.S., Narolia, R.S. and Meena, S.N.	Sustaining soil health and productivity of sugarcane (<i>Saccharum</i> species hybrid complex) plant-ratoon system through integrated use of organic and inorganic sources in clay loam soils of Rajasthan.	<i>Indian. Journal of Agronomy</i> Vol.63 (4):488-493.	5.46
21.	Meena, D.S., Chaman Jadon, C.B. Meena, B.S. Meena, B.L. Meena and Patidar, B.K	Impact Assessment of Improved Technology on Soybean Productivity in South Eastern Rajasthan, India.	<i>Int.J.Curr.Microbiol.App. Sci.</i>	5.38
22.	Meena, Harphool, Nagar, K.C., Kumhar, B.L. and Meena, B.S.	Improving use efficiency of inputs by drip irrigation in Bt cotton	<i>International Journal of Current Microbiology and Applied Science</i> 7(3): pp. 3632-3638	5.38

23.	Meena, Harphool, Meena, P.K.P., Nagar,K.C., Kumhar,B.L. and Meena,B.S.	Comparative efficacy of herbicides for weed management in soybean.	<i>Chemical Science Review and Letters</i> 7 (25):pp. 170-174	5.21
24.	Meena, Manoj Kumar, K Aravindakshan, Dhayal Manisha, singh Jitendra and Meena Shoji Lal	Effect of biofertilizers and growth regulators on growth attributes of cauliflower (Brassica oleracea var. Botrytis L.) cv. Pusa Paushja,	<i>Int. J. Current Microbiology and Applied sciences</i> , pp. 885-890.	5.38
25.	Meena, N. K. and Asrey, R	Tree age affects physico-chemical, functional quality and storability of Amrapali mango (Mangifera indica L.) fruits	<i>Journal of the Science of Food and Agriculture</i> 98 (9):3255-3262.	8.42
26.	Poonam, I B Maurya, Manoj Sharma, A.Kavita, Bhim Singh ,Bhuri Singh, Priyanka Kumawat and Anita Verma	Studies on genetic variability, heritability and genetic advance in turmeric (curcuma longa L.)	<i>Int.J. Curr.Microbiol.App. Sci.</i> 7(7):3169-3176	5.38
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28.	Prahlad V C	Natural regeneration status of Dhav (Anogeissus pendulaEdgew.) forests in Jhalawar forest division.	<i>Journal of Pharmacognosy and Phytochemistry</i> 7 (2)2018 585-588	5.21
29.	Prahlad V C	Stand structure and growth pattern of Deodar (CedrusdeodaraRoxb.Loud.) forests of Western Himalayas (India) 2018,	<i>International Journal of Current Microbiology and Applied Sciences</i> 7 (7) 1737-1745	5.38
30.	Ram, C. Ram L. and Kushwaha K.P.S.	Efficacy of fungicide, biocontrol agents and botanicals on severity of <i>cercospora</i> leaf spot of Pigeon pea.	<i>Int. J. Curr. Microbiol. App. Sci.</i> 7(08): 1727-1732.	5.38
31.	Ram, L. and Awasthi R. P.	Comparative Assessment of White Rust Disease in Improved Varieties of Indian mustard.	<i>Int. J. Curr. Microbiol. App. Sci.</i> 7(5): 1421-1438.	5.38
32.	Ramkishan Meena, Bacchu Singh, K.C. Meena, R. K.Meena, B.Singh and Prakash Gurjar	Performance of Frontline Demonstration on Sesame (<i>Sesamum indicum L.</i>) in Karauli District Of Rajasthan	<i>International Journal of Current Microbiology and Applied Sciences.</i> (2018) 7(3): 1507-1511.	5.38
33.	Ranawat, J. S. Pandey, S. B. S., Singh, J. Nayak, D and Pushpanjali	Doubling the farmer's income through intercropping turmeric (<i>Curcuma longa L.</i>) under mandarin based agroforestry system in South- Eastern Rajasthan.	<i>Journal of Pharmacognosy and Phytochemistry.</i> 7 (4): 2560-2563.	5.21

34.	Singh, K., Rawal, P., Singh, H., Jat, S. L., Meena, V. K. and Tanwar B. S.	Survey, estimation of losses and symptomatology in major cabbage growing areas of Rajasthan by <i>Alternaria</i> leaf spot disease.	<i>Journal of Pharmacognosy and Phytochemistry</i> , 7(5): 2393-2395.	5.21
35.	Singh, S.P., Singh, H.P., Kumari, M and Meena, L.K.	Assessment of Variations in Yield Gap and Constraints analysis in the Sugarcane Production in Bihar	<i>International Journal of Current Microbiology and Applied Sciences</i> (2018)	5.38
36.	Singh, Y., Bhatnagar, P., Meena, N.K. and Gurjar, S.C	The effect of foliar spray of Zn, Cu and B on physico-chemical parameters of sweet orange (<i>Citrus sinensis</i> L.) cv. Mosambi.	<i>Journal of Pharmacognosy and Phytochemistry</i> 7(6):1606-1610	5.21
37.	Singh, Y., Thakur N. and Meena, N. K	Studies on the effect of foliar spray of Zn, Cu and B on growth, yield and fruit quality of sweet orange (<i>Citrus sinensis</i> L.) cv. Mosambi	<i>International Journal of Chemical Studies</i> 6(5): 3260-3264	5.31
38.	SK Jat and BS Rana	Occurrence of common aphidophagous natural enemies on blackgram	<i>Journal of Entomology and Zoology Studies</i> -6 (2)	5.53
39.	Sunil Kumar, Meena, R. N., Banjara, T. B., Kumar, V., Hemalatha, K., Singh, H., Kumar, S. and Kashyap, S. K.	Effect of different tillage practices and summer green manuring on growth indices of wheat under irrigated condition of Eastern Uttar Pradesh.	<i>Journal of Pharmacognosy and Phytochemistry</i>	5.38
40.	Sunita Jhjhra, L.K Dashora, J.Singh, P.Bhatnagar, A.Kumar and C.K Arya	In vitro propagation of Strawberry (<i>Fragaria x anannasa</i> Duch.)	<i>International Journal of Current Microbiology and Applied Sciences</i> 7(10): 3030-35.	5.38
41.	Vikee, Jain, S.K., Sharma, S. and Kumari, N.	Studies on the physico-chemical changes in minimally processed Nagpur Mandarin fruits during storage	<i>Int. J. Curr. Microbiol. App. Sci.</i> (2018) Special Issue 7: 968-975	5.38
42.	Yadav V.K., Jain M.C., Sharma M.K. and Suman M.	Effect of Micronutrients spray on physical and chemical characteristics of Pomegranate (<i>Punica granatum</i> L.) cv. Sindhuri.	<i>International Journal of Current Microbiology and Applied Sciences</i> , Special issue-7:998-1005.	5.38

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S. No.	Authors	Title	Journal/Publisher	NAAS rating
1.	Abhilasha Sharma, Deepak Rajpurohit, Devendra Jain, Preeti Verma, and Arunabh Joshi	Molecular characterization of coriander (<i>Coriandrum sativum</i> L.) genotypes using random amplified polymorphic DNA (RAPD) markers.	<i>Journal of Pharmacognosy and Phytochemistry</i> 8(3): 4770-4775.	5.21

2.	Bahariya, J., Pandey, S.B.S., Nagar, B., Singh, J. and Arya, C.K.	Influence of FYM Application on Curcumin Content and Economics of Cultivation on Intercropping Turmeric (<i>Curcuma longa</i> L.) under Mandarin based Agroforestry System in South-Eastern Rajasthan.	<i>Journal of Pharmacognosy and Phytochemistry</i> 8(6): 1853-1858.	5.21
3.	Baheti, B. L., Bhati, S. S. and Singh, H.	Efficacy of Different Oil-Cakes as Soil Amendment for the Management of Root-knot Nematode, <i>Meloidogyne incognita</i> Infecting Okra (<i>Abelmoschus esculentus</i> L.)	<i>Int. J. Curr. Microbiol. App. Sci.</i> 8(12): 799-808	5.38
4.	Bairwa, R.K., B.L. Dhaka, B.L. Nagar and Mahajani, K.	On Farm Assessment of Direct Seeded Rice (DSR) Technology in Humid South-Eastern Plain of Rajasthan, India.	<i>International Journal of Current Microbiology and Applied Sciences</i> 8 (07): 2492-2498	5.38
5.	BL Nagar and DL Yadav	Effect of different levels of NPK fertilizer on Potato tuber yield in South eastern Rajasthan.	<i>Chemical Sciences Review and Letters.</i> 8(32): 195-199	5.21
6.	BL Nagar DL Yadav and Jagdish Singh	Response of different cultivars of Potato to various soil moisture regimes under South Eastern Rajasthan.	<i>Indian J. Hort.</i> 77(1) 218-221	6.11
7.	BL Nagar, DL Yadav, Baldev Ram, RS Narolia	Performance of potato varieties for growth, yield and yield attributing in south eastern Rajasthan.	<i>Journal of Experimental Biology and Agricultural Sciences.</i> 7(5)438-441.	5.07
8.	BL Nagar, DL Yadav, RS Narolia and Rajendra Kumar Yadav	Effect of different dose of nitrogen on various varieties of potato in South Eastern Rajasthan.	<i>Int.J.Curr.Microbiol.Ap p.Sci.</i> , 8(8)1081-108.	5.38
9.	Carpenter S, Jain MC, Singh J, Bhatnagar P and Arya, C. K.	Effect of foliar spray of gibberellic acid and urea on yield and quality of guava (<i>Psidium guajava</i> L.) cv.-L-49.	<i>International Journal of Chemical Studies</i> , 7(1): 205-207	5.31
10.	Dr Priyanshu Tripathi and Dr Renu Mogra	Organoleptic and Nutritional evaluation of value added noodles from amaranth seed flour	<i>International Research Journal of Pure and Applied Chemistry</i> 1167-1174	5.40
11.	Dr. Chamandeep Kaur, Prof. Dhriti Solanki and Dr. L. R. Choudhary	Constraints Faced by the Farm Families in Adoption of Post Harvest Technologies of Maize	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706 Volume 8 Number 12,2019	5.38
12.	Dr. Chamandeep Kaur, Prof. Dhriti Solanki and Dr.L. R. Choudhary	Constraints in Adoption of Post Harvest Technologies in Maize Crop Faced by Farm Families of Udaipur and Chittorgarh District of Rajasthan, India	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706 Volume 8 Number 12 (2019) November	5.38

13.	Dr. Chamandeep Kaur, Prof. Dhriti Solanki and Dr. L. R. Choudhary	Gap in Knowledge and Adoption of Post Harvest Technologies of Maize among Farmers and Farm Women	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706 Volume 8 Number 12 (2019)	5.38
14.	Dr. L.R. Choudhary, Prof. B.S. Bhimawat and Dr. Chamandeep Kaur	Preference of Internet on Other Media for Getting Information and Usage of Different Search Engines by Agricultural Research Scholars while using Internet of Agriculture Science in MPUAT, Udaipur (Rajasthan),	<i>International Journal of Current Microbiology and Applied Sciences</i> India. ISSN: 2319-7706 Volume 8 Number 02 (2019)	5.38
15.	Dr. L.R. Choudhary, Prof. B.S. Bhimawat and Dr. Chamandeep Kaur	Purpose of using Internet and Preference of Location for Access to Internet by Agricultural Research Scholars while using Internet of Agriculture Science in MPUAT, Udaipur (Rajasthan), India	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706 Volume 8 Number 02 (2019)	5.38
16.	Jigmet Yangchan, M.S. Raghuvanshi, Anil Kumar and Arya, C. K. ,	Climate Change Induced Impact on Water Resource of Ladakh Cold Arid Region.,	Int. J. Curr. Microbiol. App. Sci. 8(05): 1996-2009. doi: https://doi.org/10.20546/ijcmas.2019.805.232	5.38
17.	KM Sharma, M.C.Goyal, M Singh & AK Sharma	Enhancement of soybean (Glycine max. L) productivity & profitability through front line demonstrations in Kota district of Rajasthan, India	<i>International Journal Of Current Microbiology & Applied Science</i> 8(4): 1808-1813	5.38
18.	KM Sharma, M.C.Goyal, M Singh & AK Sharma	Impact of front line demonstrations on productivity & profitability of black gram (<i>Vigna mungo</i>) in Kota district of Rajasthan, India	<i>International Journal of Current Microbiology & Applied Science</i> 8(4):871-877	5.38
19.	Koli N.R. and Manoj Kumar	Combining ability analysis for grain yield and components traits in aromatic rice (<i>Oryza Sativa</i> L.) under transplanting condition	<i>Journal of Pharmacognosy and Phytochemistry</i> 8(3):778-780	5.21
20.	Koli N.R., Manoj Kumar, Sandhya, Meena R.K. and Patidar B.K.	G x E interactions, sustainability index and their comparison in rice (<i>Oryza sativa</i> L)	<i>International Journal of Chemical Studies</i> 7(3):940-941	5.31
21.	Mahajani, K., Jain S and Dhaka B.L.	Portion Size Estimation of Indian Flats Breads in Terms of Weight.	<i>International Journal of Current Microbiology and Applied Sciences.</i> 8(2): 815-82	5.38
22.	Mahaveer Suman and P. Bhatnagar	A review on proactive pomegranate one of the healthiest foods.	International Journal of Chemical Studies, Vol. 7(3), pp:189-194	5.31

23.	Meena K. K, Singh J, Bhatnagar P, Carpenter S and Jhajhra S.	Performance of cape goosberry (<i>Physalis peruviana</i> L.) genotypes for growth and yield parameters.	<i>International Journal of Chemical Studies</i> . 7(2): 1673-1674.	5.31
24.	Meena, R. N., Ghilotia, Y. K. and Sunil Kumar	Influence of planting pattern & sulphur levels on yield & quality of castor (<i>Ricinus communis</i>) under eastern UP condition	<i>Indian Journal of Agronomy</i>	5.46
25.	Mohammad Yunus and C. P. Desai	Functional relationship between independent variable and scientists	<i>International journal of current microbiology and applied sciences</i>	5.38
26.	N.R. Koli, Manoj Kumar, Sandhya, R.K. Meena, D.S. Meena and Harphool Meena	Studies on Genetic Variability, Heritability and Genetic Advance in Elite Genotypes of Sugarcane (<i>Saccharum officinarum</i> L.)	<i>International Journal of Current Microbiology and Applied Sciences</i> 8 (8):1255-1259	5.38
27.	N.R. Koli, P.K.P. Meena, Manoj Kumar and Sandhya	Response of Environment and Stability on Grain Yield in Promising Genotypes of Rice (<i>Oryza sativa</i> L.)	<i>International Journal of Current Microbiology and Applied Sciences</i> 8(7):2170-2175	5.38
28.	Preeti Verma, Mohan Lal Yadav, C.B. Meena and D.L. Yadav	Stem gall disease of Coriander: Causes and Integrated Management.	<i>Int. J. Curr. Microbiol. App. Sci.</i> 8(11): 2573-2580.	5.38
29.	Preeti Verma, R.K. Solanki, Abhay Dashora and R.K. Kakani	Genetic variability and correlation analysis in <i>Nigella</i> (<i>Nigella sativum</i> L.) assessed in South Eastern Rajasthan.	<i>Int. J. Curr. Microbiol. App. Sci.</i> 8(3): 1858-64.	5.38
30.	R. S. Meena, B. S. Meena, B. L. Nagar and A. K. Verma	Bio Efficiency of Diquat Applied in Potato and their Carry over Effect on Succeeding Maize Crop in South Eastern Rajasthan	<i>International Journal of Pure and Applied Bioscience</i>	4.74
31.	Sharma K.M., M.C. Goyal Mahendra Singh, and Anil Kumar Sharma	Enhancement of Soybean (<i>Glycine max</i> L.) Productivity and Profitability through Front Line Demonstrations in Kota District of Rajasthan, India	<i>Int.J.Curr.Microbiol. App.Sci.</i> 8(04): 1808-1813.	5.38
32.	Shoji Lal Meena, Kavita Aravindakshan, C.K. Arya, Kamlesh Kumar Meena and Manoj Kumar Meena	Effect of Bioregulators and Boron on growth attributes of cabbage (<i>Brassica oleracea</i> var. <i>capitata</i> L.) cv Golden Acre.	<i>International Journal of Chemical Studies</i> ,7(3):1540-1543	5.31
33.	Singh, H., Ratnoo, R. S., Trivedi, A., Jain, H. K., Saharan, V. and Sharma, F. L.	Effect of plant defense activators on white rust of mustard cv. RH-747 under artificial epiphytotic conditions.	<i>Int. J. Curr. Microbiol. App. Sci.</i> 8(10): 1113-1122.	5.38
34.	Sunil Kumar, Meena, R. N., Singh, R. K., Srivastava, V. K., Vikram Kumar and Hemalatha, K.	Productivity & profitability of maize (<i>Zea mays</i>) as influenced by tillage practices and grain manuring under eastern UP condition	<i>Indian Journal of Agronomy</i>	5.46

35.	Tripathi, P., Mogra, R. and Meena, R. K.	Assessment of functional properties of amaranth seed flour	<i>International Journal of chemical studies</i> (2019) 7(6) 1353-1356	5.31
36.	Verma, Narendra Kumar, Bhatnagar Prerak, Singh J, Sharma, M K, Chopra Rahul and Ashok Kumar.	Growth and development dynamics of Guava cv. L-49 plants under consortium of vermicompost and phosphorus solubilizing bacteria.	<i>International Journal of Chemical Studies</i> ;7 (5): 1316-1322.	5.31
37.	Y. Singh and P. Bhatnagar	A review on horticulture in augmenting human health metabolism and disease prevention.	<i>International Journal of Chemical Studies</i> , 7(3):3553-3563	5.31
38.	Y. Singh and P. Bhatnagar	A review on insight of immense nutraceutical and medicinal potential of custard apple (<i>Annona squamosa</i> Linn.).	<i>International Journal of Chemical Studies</i> , 7(2):1237-1245	5.31
39.	Yadav Vijay Kumar, Chauhan, P.S., Chauhan, D.S., Mahato Shubhasis and Jayant Aditya Kumar	Status of large mammalian species in Ugam beat of Nanda Devi Biosphere Reserve (NDBR), Uttarakhand, India.	<i>Journal of Entomology and Zoology Studies</i> . 7(1): 541-44.	5.53

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S. No.	Authors	Title	Journal/Publisher	NAAS rating
1.	Arya, C. K., Singh Bhim and Sharma, M. K.	Effect of different tillage practices and cropping systems on crop productivity.	<i>International Journal of Current Microbiology and Applied Sciences</i> . 9(10): 2880-2884.	5.38
2.	Ashok Kumar Meena, Sandhya Kulhari, Manoj Kumar, N. R. Koli, Yamini Tak, Deepak Meena and Neetu Meena	Studies on Genetic Variability and Character Association in Linseed (<i>Linum usitatissimum</i> L.) Genotypes	<i>International Journal of Current Microbiology and Applied Sciences</i> 9(7): 3949-3957	5.38
3.	Asrey R., Kumar K., Sharma R.R, Meena, N. K.	Fruit bagging and bag colour affects physico-chemical, nutraceutical quality and consumer acceptability of pomegranate (<i>Punica granatum</i> L.) arils.	<i>Journal of Food Science and Technology</i> ,57(4): 1469-1476	7.85
4.	B.S. Meena, Deepa Indoria, R.D. Meena and S.S. Meena	Interrelation between spices and chronic diseases: A Review	<i>International Journal Seed Spices</i> 10(1):65-72	5.36
5.	Bacchu Singh, Deepa Indoria, K. C. Meena and G. S. Meena.	Training Needs of Tribal Farm Women in Dairy Farming in Eastern Rajasthan.	<i>International Journal of Current Microbiology and Applied Sciences</i> 9(5): 3302-3305	5.38

6.	Bacchu Singh, K.C. Meena, Deepa Indoria, and G.S.Meena	Adoption of Improved Sheep rearing Practices in The Eastern Part of Rajasthan , India	<i>International Journal of Current Microbiology and Applied Sciences</i> , 9 (5): 271-277	5.38
7.	Baghel, M, A. Nagaraja, Srivastav M., Meena N. K., Senthil , M. K., Kumar A., Sharma, R.R	Pleiotropic influences of brassinosteroids on fruit crops: a review	Plant Growth Regulation	8.47
8.	Bhatnagar Prerak, Sharma, M. K. and Singh Yogendra	Analysis of pomological traits amongst Jamun genotypes in scrub forests of Jhalawar district.	<i>Journal of Pharmacognosy and Phytochemistry</i> ; 9(2): 1905-1910.	5.21
9.	Chauhan Kanica, Sharma K.R. and Dutt Bhupender	Variation in hot and cold water soluble extractive content in gymnosperms from Western Himalayas	<i>Journal of Pharmacognosy and Phytochemistry</i> 9(5):1151-1154	5.21
10.	Choudhary, K., Dhakare, B.B. and Meena, N. K.	Vegetative and quality parameters of custard apple as affected by pruning intensities and time.	<i>Journal of Crop and Weed</i> . 16(2):139-146	5.28
11.	Dahima, A., Doshi, A. and Singh, H	Screening of Antifungal Activity of <i>Pleurotus pulmonarius</i> , <i>Pleurotus florida</i> and <i>Shizophyllum commune</i>	<i>Int. J. Curr. Microbiol. App. Sci.</i> 9(4): 997-1004	5.38
12.	Deepak Meena , Manoj Kumar, Sandhya , N. R. Koli , Yamini Tak and Ashok Kumar Meena	Assessment of Correlation and Path Coefficient Analysis for Yield and it's Attributing Traits in Rice (<i>Oryza sativa</i> L.) Genotypes	<i>International Journal of Current Microbiology and Applied Sciences</i> 9(7): 3845-3851	5.38
13.	Dr Priyanshu Tripathi and Dr RenuMogra	Organoleptic and Nutritional evaluation of value added noodles from amaranth seed flour	<i>International Research Journal of Pure and Applied Chemistry</i> 21(13):39-47	5.40
14.	Dr.Chamandeep Kaur, Dr.B.L.Meena, Dr.L.R.Choudhary	"Factor Affecting on Utilization of Reproductive Health Care Programmes in Rajasthan"	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706 Volume 9 Number 6 (2020) July	5.38
15.	Hari Om Meena, P.K.P. Meena, Khajan Singh, H.P. Meena and Deepak Meena	Genetic Divergence Analysis in Indian Mustard [<i>Brassica juncea</i> (L.) Czern&Coss.]	<i>Int.J.Curr.Microbiol.App. Sci.</i> 9(10): 2185-2192	5.38
16.	Jitendar Kumar Meena, Khajan Singh, PKP Meena, Rajesh Kumar and Deepak Meena	Studies on Genetic Variability, Correlation and Path Analysis in Lentil (<i>Lens culinaris</i> Medik.) Genotypes	<i>International Journal of Current Microbiology and Applied Sciences</i> , 9(9): 2078-2087	5.38

17.	Karan Singh, C. B. Meena, Chirag Gautam, B. K. Patidar and Koli. N. R.	Nutritional and Epidemiological Requirements for Growth and Sclerotia Formation by <i>Sclerotium rolfsii</i> (Sacc.) Causing Collar Rot of Chickpea (<i>Cicer aretinum</i> L.).	<i>Int.J.Curr.Microbiol.Ap p.Sci.</i>	5.38
18.	KM Sharma, M Singh, M.C. Goyal & RR Meena	Enhancement of yield & economic returns of wheat (<i>Triticum aestivum</i> L.) through front line demonstrations in Kota district of Rajasthan	Journal of Pharmacognosy & phytochemistry May-june,9(3) :970-973.	5.21
19.	Koli N. R., Meena R. K., Manoj Kumar, Meena P. K. P., Meena S. N and Jatav R. S.	Genotype x Environment Interactions, Adaptability with Sustainability Index and their Comparison in Release Varieties of Sugarcane (<i>Saccharum officinarum</i> L.) under South Eastern Plain Zone of Rajasthan	International Journal of Current Microbiology and Applied Sciences 9(8):1143-1149	5.38
20.	Kumar, D., Chauhan, P.S., Pandey, S.B.S., Bhatnagar, P., Sharma, M.K. and Nagar, B	Phytodiversity Characterization of Mukundara Hills Tiger Reserve.	<i>International Journal of Current Microbiology and Applied Sciences</i> 9(07): 2037-2047.	5.38
21.	L.K Meena, P.Bhatnagar, M.K Sharma and J.Singh	Effect of foliar spray of zinc and iron on floral characters expression and yield attributing parameters of guava cv.L-49 in vertisols of Subhumid plains of South Eastern Rajasthan	<i>International Journal of Chemical Studies</i> , 8(4): 123-126.	5.31
22.	Lali Jat, NS Rana, RK Naresh, BP Dhyani, Purushottam, Dimple, M L Jat, and Raju	Effect of integrated nutrient management on yield of wheat (<i>Triticum aestivum</i> L.) under in Indo-Gangetic Plains	<i>Journal of Pharmacognosy and Phytochemistry</i> , 9(6): 1378-1383	5.21
23.	Lokesh Kumar Meena, P.Bhatnagar, J.Singh, Rahul Chopra and P.Solanki	Correlation amongst yield and quality attributes of guava fruit in response to foliar feeding of zinc and iron in Vertisols of Jhalawar district	<i>The Pharma Innovation Journal</i> , 9(6): 349-351.	5.03
24.	Mahaveer Suman and Ashok Kumar	Effect of plant growth regulators and fertigation on growth of pomegranate cv. Sinduri under high density planting system in Sub-humid plains of South Eastern Rajasthan	Toxicology International (Paper accepted and published in Dec, 2020)	5.23
25.	Mahaveer Suman and MC Jain	Influence of Plant Growth regulators and fertigation on yield and economics feasibility of Pomegranate (<i>Punica granatum</i> L.) cv. Sinduri under high density planting system	<i>Journals of Entomology an Zoology Studies</i>	5.53

26.	Mawar, R., Sharma, D and Ram, L	Potential of bio-control agents against Ganoderma lucidum causing basal stem rot in mesquite (<i>Prosopis cineraria</i>) in arid regions of India.	Journal of forestry research DOI: https://doi.org/10.1007/s11676-020-01161-3	7.16
27.	Meena, B.S., Narolia, R.S., Meena, L.K., Meena, K.C. and Meena, S.N.	Evaluation of hydrogel and salicylic acid application effect on yield, quality, economics and water-use efficiency of Indian mustard (<i>Brassica juncea</i>) in restricted irrigation condition of S-E Rajasthan.	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706 Volume 9 (05):3274--3283.	5.38
28.	Meena, B.S., Patidar, B.K., Meena, L.K., Meena, S.N. and Meena, K.C.	Yield, quality and economics of Indian mustard (<i>Brassica juncea</i>) under different nutrient supply in clay loam soils of Rajasthan.	<i>Journal of Pharmacognosy and Phytochemistry</i> 9(4): 656-659.	5.21
29.	Meena, Bharat Lal, Meena, D. S., Ram Baldev, Sharma, M. K., Gautam Chirag and Nagar Gajendra.	Effect of herbicidal weed control on growth and yield of soybean.	<i>International Journal of Current Microbiology and Applied Sciences.</i> 9(10): 2880-2884.	5.38
30.	Meena, Harphool, Singh, P., Meena, S.N., Yadav, D.L. and Meena, N.L.	Performance of hybrid fodder sorghum (Sugargraze).	<i>International Journal of Current Microbiology and Applied Sciences</i> 09 (5):pp.1601-1606	5.38
31.	Meena, A. Ashutosh Mishra, P. Bhatnagar, Ladhu Ram, and Hanuman Singh	Efficacy of bio-control agent on growth and flowering in Chrysanthemum (<i>Dendranthema grandiflora</i>) cv. Marigold.	<i>International Journal of Chemical Studies.</i> 8(5):685-692	5.31
32.	Meenu Kumari Meena, C. B. Meena, D. L. Yadav, H. P. Meghwal, Sandhya and Karan Singh	<i>Oxysporum</i> sp. <i>Lentis</i> caused Lentil Wilt.	<i>Int.J.Curr.Microbiol.Ap p.Sci.</i>	5.38
33.	Meghwal, Surender and Chauhan, Kanica	Variation in fibre dimensions of some angiosperm woods of South-east Rajasthan	<i>The Pharma Innovation Journal</i> 9(10): 557-559	5.03
34.	Minita Sharma, P.S Chauhan, S.B.S Pandey, P.Bhatnagar, M.K Sharma and Bhuvnesh Nagar	Effect of seed treatments on plus tree of <i>Buchanania lanzan</i> in South Eastern Rajasthan	<i>Journal of Pharmacognosy and Phytochemistry</i> , 9(4): 301-303.	5.21
35.	P.Bhatnagar and Y.Singh	Analysis of pomological traits amongst Jamun genotypes in scrub forests of Jhalawar district	<i>Journal of Pharmacognosy and Phytochemistry</i> ,9(2): 1905-1910	5.21
36.	Praveen Kumar Chachaiya, BK Patidar, Yamini Tak and CB Meena	Common laboratory tols, mistakes and precautions	<i>International Journal of Chemical Studies</i> 8(4): 3675-3679	5.31

37.	Priyanka Kumari Meena, D. L. Yadav, C. B. Meena, B. K. Patidar and Pratap Singh	Efficacy of Bio-agents and Media against the Early Blight of Potato	<i>Int.J.Curr.Microbiol.Ap p.Sci.</i>	5.38
38.	R. R. Meena, C. B. Meena, K. L. Geanger, A. Kotmire, K. C. Meena and A. K. Verma	Tripling the Income of Rural Youth through Protected Cultivation Structures Repair : A Success Story	<i>International Journal of Current Microbiology and Applied Sciences</i>	5.38
39.	Ramawatar, M.C. Jain, Prerak Bhatnagar, SBS Pandey, Vinod Yadav and Narendra Kumar Verma	Effect of organic manures, inorganic fertilizers and biofertilizers on growth parameters of guava (<i>Psidiumguajava</i> L.) cv. Sardar in MrigBahar crop of sub humid agro ecological zone of Rajasthan	<i>International Journal of Chemical Studies</i>	5.31
40.	Ravindra Kumar Meena, Prerak Bhatnagar, Jitendra Singh, Rahul Chopra and Hem Raj Chhipa	Correlation dynamics among growth, development and soil parameters in response to Vermicompost and PSB on Jamun cv. Goma Priyanka in Vertisols of Jhalawar district	<i>Journal of Pharmacognosy and Phytochemistry</i> 9(4): 1950-52	5.21
41.	Ravindra Kumar Meena, Prerak Bhatnagar, Jitendra Singh, Rahul Chopra and Hemraj Chhipa	Multiple correlation studies among growth, development and soil parameters under utilization of vermicompost and PSB on Jamun cv. Goma Priyanka in vertisols of South Eastern Rajasthan.	<i>International Journal of Chemical Studies</i> 8(4): 3726-3728	5.31
42.	Sarita Bagri, J. Singh and Kalpana Choudhary	Effect of dates of transplanting and crop geometries on growth, yield and quality of cape gooseberry.	<i>Indian Journal of Horticulture</i> 77 (1): 101-05.	6.11
43.	Sharma, A., Meena, B.S., Meena, R.K., Yadav, R.K., Patidar, B.K., Dhayal, S. and Kumar, R.	Response of nitrogen, phosphorus and potassium on quality parameters and economics analysis of Indian mustard (<i>Brassica juncea</i> (L.) Czern and Coss).	<i>Journal of Pharmacognosy and Phytochemistry</i> 9(5): 911-913.	5.21
44.	Sharma, A., Meena, B.S., Meena, R.K., Yadav, R.K., Patidar, B.K., Dhayal, S. and Kumar, R.	Effect of different levels of nitrogen, phosphorus and potassium on growth, yield attributes and yield of Indian mustard (<i>Brassica juncea</i> (L.) Czern and Coss) in S-E Rajasthan.	<i>International Journal of Current Microbiology and Applied Sciences</i> ISSN: 2319-7706, 9 (09) :2216-2221.	5.38
45.	Sharma, K.M., Singh, M., Goyal, M.C. and Meena R.R	Enhancement of yield and economic returns of Wheat (<i>Triticum aestivum</i> L) through Frontline demonstrations in Kota district of Rajasthan.	<i>Journal of Pharmacognosy and phytochemistry;</i> 9(3): 970-973	5.21

46.	Sharma, Minita, Chauhan, P.S., Pandey, S.B.S., Bhatnagar, P, Sharma, M.K. and Nagar, Bhuvnesh.	Seed germination behaviour and seedling attributes of <i>Buchanania lanzan</i> (Spreng.) in South-Eastern Rajasthan.	<i>The Pharma Innovation Journal</i> ; 9(1): 123-128.	5.03
47.	Yadav Ravi, Pandey, S.B.S., Chopra, Rahul, Chauhan, Kanica and Singh, Bhupendra.	Economics of Teak (<i>Tectona grandis</i>) plantation with different spacing and organic inputs in semi-arid region of Rajasthan.	Journal of Pharmacognosy and Phytochemistry 9(5): 3272-3275	5.21

Research Paper Publication (NAAS rating : 3-5)

Year 2016

S. No	Authors	Title	Journal/Publisher	NAAS rating
1.	Koli N.R., Kumhar B. L., Mahawar R., Bagri R.K. and Prakash C.	Selection of stable genotypes on the basis of stability parameters and sustainability index in rice (<i>Oryza. sativa</i> L.)	<i>Electronic Journal of Plant Breeding</i> 7 (4): 967-971.	4.97
2.	Koli N. R., Bagri R. K., Meena B.S. and Kumhar B.L.	Studies on stability parameters and sustainability index for selecting stable genotypes of sugarcane (<i>Sacc.officinarum</i> L.)	<i>Electronic Journal of Plant Breeding</i> 7 (1): 137-139	4.97
3.	Meena M. K., Jain M.C., Singh J., Sharma M., Singh B. and Maurya I.B.	Effect of Pre-harvest spray of calcium nitrate, boric acid and zinc sulphate on yield and quality of Nagpur mandarin (<i>Citrus reticulat</i> Blanco)	<i>Hort Flora Research Spectrum</i> , 5(2):112-119.	3.78
4.	Bhatnagar P, Singh J., Chauhan, P. S., Sharma M.K., Meena C.B. and Jain M.C	Carbon assimilation potential of Nagpur Mandarin (<i>Citrus reticulat</i> Blanco)	<i>International Journal of Science, Environment and Technology</i> Vol.5 (3), pp: 1402-1409.	3.98
5.	Bhatnagar P. and Sharma M.K.	Nutritional status of Malta orchards in Bikaner District	<i>Hort Flora Research Spectrum</i> , 5(3): 201-205.	3.78
6.	Preeti Verma, R.K. Solanki, A. Dashora and R.K. Kakani	Genetic variability in fenugreek (<i>Trigonella foenum graecum</i> L.) as expressed under South Eastern region of Rajasthan state	<i>International Journal of Seed Spices</i> 6(1): 93 – 95.	3.91
7.	Preeti Verma, R.K. Solanki and R.K. Kakani	Differential response of coriander (<i>Coriandrum sativum</i> L.) genotypes to selfing and sibmating	<i>International Journal of Seed Spices</i> 6(2): 100 – 102.	3.91
8.	Preeti Verma and R.K. Solanki	Coriander (<i>Coriandrum sativum</i> L.): Diverse uses in food, agriculture and industry.	<i>Indian Journal of Arecanut, Spices & Medicinal Plants</i> 18 (3): 41 – 46.	1.55

9.	Kalidasu Giridhar, Suryapedi Suryakumari, Kantipudi Nirmal Babu, CK, Tankmani, Eleswarapu Diwakar Sastri, Gopal Lal, S Singh, SK Tehlan, VP Pandey, Dharendra Singh, AK Singh, Dinesh Patel, Preeti Verma and Ritesh Patel	Mega environment analysis and cultivar selection for resources optimization.	<i>International Journal of Bio resources and stress management</i> . 7: 798-806.	4.65
10.	Meena, B.S., Meena, G.S. and Meena, K.C.	Impact study on climate resilient technology demonstrated in NICRA village- Chomakot in Vertisol of Rajasthan.	<i>Journal of Progressive Agriculture</i> , Vol.7 (1):42-46.	2.89
11.	Meena, B.S. and Kumar,P.	Improving productivity, nutrient uptake, quality and sustainability of sugarcane (<i>Saccharum</i> spp. Hybrid complex) varieties through nutrient management of NPK in clay loam soil of Rajasthan.	<i>Indian Journal of Sugarcane Technology</i> 30 (02):104-109.	2.70
12.	Bairwa, R. K., Dhaka, B. L. and G.S.Meena.	Enhancing Mustard production through frontline demonstration.	<i>Bhartiya Krishi Anusandhan Patrika</i> 31(3), 235-237 / (0303-3821)	3.07
13.	Dhaka, B. L., Meena, G. S. and R. K. Bairwa.	Training needs of dairy farmers in Bundi district of Rajasthan.	<i>Bhartiya Krishi Anusandhan Patrika</i> 31(4),304-305 / (0303- 3821)	3.07
14.	Indira Yadav, Jitendra Singh and Bharat Meena	effect of growth regulators and micronutrients on growth and production of strawberry (<i>Fragaria x ananassaduch</i>) cv. winter dawn	<i>The Ecoscan</i>	4.65
15.	Indira Yadav and Bharat Meena	use of plant growth regulators in fruit crops: a review	<i>Progressive Research: An International Journal</i> 3.84	3.84
16.	Indira Yadav, Shraddha Neware and Pravin Singh	use of zinc and boron micro nutrients in horticultural crops— a review	<i>Progressive Research: An International Journal</i> 3.84	3.84
17.	Bharat Meena, Kavita Arvindakshan, Pravin Singh, Indira Yadav and Dk Patidar	Effect of soaking and foliar application of salicylic acid and ethrel on growth, yield and biochemical traits of garlic (<i>Allium sativum</i> L) cv G-282	<i>International Journal of Farm Sciences</i>	4.01
18.	Jitendra Singh, L.K. Dashora, P. Bhatnagar and Bhim Singh	Impact of pruning on rejuvenation of declining Nagpur mandarin (<i>Citrus reticulata</i> Blanco.) orchard.	<i>Indian J. of Agroforestry</i> 18 (1): 53-57.	4.53
19.	Lal Chand Mehta , Jitendra Singh , P.S.	Biomass accumulation and carbon storage in six-year-old	<i>The Indian Forester</i> 142 (6): 563-568	4.38

	Chauhan , Bhim Singh and R.K. Manhas	<i>Citrus reticulata</i> .Blanco. Plantation.		
20.	P. Bhatnagar, M.C. Jain and Jitendra Singh	Physiological fruit drop in ambebahar of Nagpur mandarin (<i>Citrus reticulata</i> Blanco.)	<i>Int. J. of Science, Envnt. and Technology</i> , 5 (5) :2885 –90.	3.98
21.	Singh, J., Prerak Bhatnagar and C.B. Meena	Physico-chemical characterization of guava cultivars under Sawai madhopur conditions of Rajasthan.	<i>HortFlora Research Spectrum</i> .5 (3): 224-27.	3.78
22.	Bhatnagar P., Singh J., Jain M.C. and Meena C.B.	Prospects and potential of custard apple in Rajasthan,	<i>HortFlora Res. Spectrum</i> . 5 (4): 331-334.	3.78
23.	Pandey, Swapil; Tewari, Girja Shanker; Singh, Jitendra; Rajpurohit, Deepak; and Kumar, Gopal	Efficacy of mulches on soil modifications, growth, production and quality of strawberry (<i>Fragaria x ananassa</i> Duch)	<i>Intenational Journal of Science and Nature</i> 7 (4): 813-20.	3.70
24.	Indira Yadav, Jitendra Singh and Bharat Meena	Effect of growth regulators and micronutrients on growth and production of strawberry (<i>Fragaria x ananassa</i> cv. winter dawn	<i>The Ecoscan</i> , Special issue Vol. IX: 315-318.	4.65
25.	P. Bhatnagar, M.C Jain and J. Singh	Physiological drop in Ambebahar of Nagpur mandarin	<i>International Journal of Science, Environment and Technology</i> (5): 2885-2890	3.98
26.	P. Bhatnagar, J. Singh, M.C Jain and C.B Meena	Prospects and potential of Custard apple in Rajasthan	<i>HortFlora Research Spectrum</i> 5 (4):331-334.	3.78
27.	P. Bhatnagar	Growth pattern and bio-chemical dynamics of acid lime cv.Kagzi in Jhalawar district.	<i>HortFlora Research Spectrum</i> 5 (4):316-319.	3.78

Year 2017

S. No	Authors	Title	Journal/Publisher	NAAS rating
28.	Pravin Singh, Kavita Aravindakshan, I. B. Maurya, Jitendra Singh, Bhim Singh and M. K. Sharma	Effect of potassium and zinc on growth, yield and economics of sweet potato (<i>Ipomoea batatas</i> L.) cv. CO-34.	<i>Journal of Applied and Natural Science</i> 9 (1): 291 -97.	4.84
29.	Singh, Jitendra and Choudhary Kalpana.	Pollination and pollenization in fruit crops	<i>Indian Journal of Arid Horticulture</i> 12 (1-2):1-9	2.84
30.	Jat K.C., Bhatnagar P, Singh J, Jain M.C., Jain S.K., Sharma M.K. and Singh B.	Survey and Evaluation of Physico-chemical characteristics of Guava (<i>Psidium guajava</i> L.) cv. L-49 growing in Jhalawar district.	<i>Hort Flora Research Spectrum</i> , 6(3):163-167.	3.78
31.	Preeti Verma, Meena, D.S., Jadon, C. and Singh, D.K.	Effect of sowing time and management practices on	<i>International Journal of Seed Spices</i> 7(1): 79-81.	3.91

		incidence of stem gall and seed yield of coriander.		
32.	Abhay Dashora and Preeti Verma	Hints for quality seed production of seed spices.	<i>Indian Journal of Arecanut, Spices & Medicinal Plants.</i> 19(3): 16 – 19.	1.55
33.	Preeti Verma, R.K. Solanki and Abhay Dashora	Coriander: A dominating seed spice of South Eastern Rajasthan.	<i>Indian Journal of Arecanut, Spices & Medicinal Plants.</i> 19(4): 29 – 32.	1.55
34.	Meena, B.S.Tetarwal, J.P., Meena, D.S. and Pratap Singh.	On farm wheat (<i>Triticum aestivum</i>) productivity, profitability and soil health as influenced by different sowing and nutrient management practices in vertisols of south-eastern Rajasthan	<i>Annals of Agricultural Research</i> New Series 38 (1): 38-49.	4.01
33.	Meena, B.S., Joshi, Neeshu ,Meena,S. N. and Meena,R. K.	Effect of seaweed sap application on growth, yield, juice quality and economics of sugarcane in Rajasthan .	<i>Indian Journal of Sugarcane Technology</i> 32(02): 90-94.	2.70
34.	Bola, P.K., Jain, S.K. and Anupama	Efficacy of calcium chloride, carboxymethyl cellulose and chitosan on the shelf-life of strawberry (<i>Fragaria x ananassa</i> D.).	Green farming, 8(4): 995-998	4.38
35.	Mamta Tiwari, Gunjan Sanadya	A study on needs of Food Processing and Value-Addition in South-east region in Rajasthan	The Journal of Rural and Agricultural Research (1): 85-87	3.89
36.	Mamta Tiwari, Gunjan Sanadya, Khushboo Gupta	Rural youth empowerment through food processing and skill development activities	The Journal of Rural and Agricultural Research	3.89
37.	MamtaTiwari, Khushboo Gupta, Gunjan Sanadya	Organoleptic Acceptability and Popularity of Nutritious Fruit Candies	The Journal of Rural and Agricultural Research	3.89
38.	MamtaTiwari, Khushboo Gupta, Gunjan Sanadya	Fortified Protein rich Soya Product "NutraMeal- Shakti Aahar" and its Sensory, Nutritional & Microbiological Analysis	Asian Journal of Home Science Vol.-12 No.-2	4.44
39.	Mamta Tiwari, Gunjan Sanadya	Integrated farming for sustainable development	Agriculture updates Vol.-12 No.-4	4.39
40.	Asheesh Sharma, P.Bhatnagar and Santosh Kumar	Study the correlation effect of Integrated nutrient sources and their interaction on soil properties of custard apple (<i>Annona squamosa</i>) field	<i>International Journal of Pure and Applied Bioscience</i> 5(3):xxx-xxx	4.74
41.	P. Bhatnagar	Seasonal variations in Plant Environmental Parameters of custard apple cv.Raidurg	HortFlora Research Spectrum 6(4): 240-246.	3.78

42.	Meghwal, M. L., Dalal, S. R. and Meena, N. K.	Pulp concentration and storage conditions affect level of ascorbic acid and organoleptic properties of guava nectar.	Journal of Plant Developmental Sciences 9(2): 107-112	4.57
43.	Meghwal, M. L., Dalal, S. R. and Meena, N. K.	Changes in chemical constituents of guava nectar cv. 'Lalit' during different storage conditions	Research Journal of Agricultural Sciences 8 (2): 404-407	4.54
44.	Meena, J. S., Meena, M. L. Meena, N. K. and Meena, S	Effects of integrated nutrient management on plant growth and curd attributes of broccoli cv. KTS-1	Research Journal of Agricultural Sciences 9 (1): 107-110	4.54
45.	Meena, J. S., Meena, M. L. Meena, N. K. and Meena, R.K	Impact of integrated nutrient management on yield and quality of broccoli (<i>Brassica oleracea</i> L. var. <i>italic</i> Plenck) cv. KTS-1.	Journal of Plant Developmental Sciences 9(4): 371-374.	4.57

Year 2018

S. No	Authors	Title	Journal/Publisher	NAAS rating
46.	Mahajani, K., Jain S. and Sharma K.	Standardization of portion size for meat and poultry products	Trends In Biosciences 11(36)	3.91
47.	Sharma K., Wadhawan N. and Mahajani K	A Comparative Study on Colour Retention Properties of Dried Aonla and Tomato Using Solar Dryers	Trends in Biosciences 11(36),3941-3946	3.91
48.	Koli N.R., and Patidar B.K.	Effectiveness of selection response on F3 and F4 generations for grain yield and yield attributing traits in aromatic rice (<i>Oryza. sativa</i> L.)	Electronic Journal of Plant Breeding 9(1): 368-371	4.97
49.	Bhatnagar Prerak, Singh J, Meena C. B. and Sharma M.K.	Crop improvement studies in custard apple cultivars.	Hort Flora Research Spectrum, 7(2):133-136.	3.78
50.	Bhatnagar Prerak, and Sharma Manoj Kumar	Soil nutrient dynamics of Guava (<i>Psidium guajava</i> L.) cv. L-49 orchards in Vertisols of Jhalawar district.	Hort Flora Research Spectrum, 7(3):210-216.	3.78
51.	Meena, B.S., Meena, D.S. Narolia, R.S. and Meena, R. K.	Effect of ethrel and gibberelic acid application on emergence, growth, yield, juice quality and economics of sugarcane (<i>Saccharum officinarum</i>).	Annals of Agricultural Research New Series 39 (3): 258-264.	4.01
52.	Ram, Baldev and Punia, S S.	Effect of seed priming and foliar urea spray on yield and economics in lentil (<i>Lens culinaris</i>) under rainfed condition.	International Journal of Agricultural Sciences 10 (8): 5801-5803	4.82
53.	Ram, Baldev, Punia, S S and Katiyar, P. K.	Effect of sulphhydryl bioregulator sprays on yield and economics in lentil (<i>Lens culinaris</i>) under vertisols	<i>Journal of Food Legumes</i> 31 (1): 24-27	4.97

54.	Gunjan Sanadya, Mamta Tiwari, Khushboo Gupta	Opportunities & Empowerment among rural youth through Small Scale Soya Processing Unit of Paneer (Tofu)	Asian Journal of Home Science Vol.-13 No.-1	4.44
55.	Mamta Tiwari, Gunjan Sanadya	Sustainable development through woman entrepreneurship	Asian Journal of Home Science Vol.-13 No.-1	4.44
56.	Mamta Tiwari	Nutraceuticals for upliftment of agriculture economy nutritional status and therapeutic recognition	Agriculture updates Vol.-13 No.-1	4.39
57.	Mamta Tiwari, Gunjan Sanadya	Agro based Minor fruits Value Addition for Up-gradation by quality assessment & acceptance through hedonic scores of organoleptic attributes	Agriculture updates Vol.-13 No.-1	4.39
58.	P. Bhatnagar and C.B Meena	Genetic diversity of Wild land races of Bael for rootstock purpose in South Eastern Rajasthan	<i>HortFlora Research Spectrum</i> 7(1): 47-51.	3.78
59.	K.C Jat, P.Bhatnagar, Manish Kumar and K.C Choudhary	Correlation dynamics under Survey of Physico-chemical characteristics of Guava (<i>Psidium guajava</i> L.)	<i>International Journal of Science, Environment and Technology</i> 7(1):153-159.	3.98
60.	C.B Meena, I. B Maurya, P. Bhatnagar and Ashok Kumar	Black rot is a great menace to Strawberry cultivation	<i>International Journal of Science, Environment and Technology</i> 7(2) : 517-520	3.98
61.	Prerak Bhatnagar	Morphological and Pomological Characterization of Lasoda to Assess the Superior Genotypes in Rajasthan	<i>HortFlora Research Spectrum</i> 7(4):280-285	3.78
62.	P.Bhatnagar, J.Singh, C.B Meena and M.K Sharma	Crop Improvement Studies in Custard apple cultivars	<i>HortFlora Research Spectrum</i> 7(2):133-136	3.78

Year 2019

S. No	Authors	Title	Journal/Publisher	NAAS rating
63.	Manoj Kumar, Sandhya, Koli N.R, Chandra Prakash and Ravi KishanSoni	Genetic variability, Heritability and Genetics Advance studies for yield and its contributing traits in Rice [<i>Oryza sativa</i> L.]	<i>Indian Res. J. Genet. & Biotech.</i>	4.95
64.	Tetarwal, J.P., Ram Baldev, Nagar, R.K. and Choudhary G.R..	Sustainable and intensive cropping systems for humid ecologies of South-Eastern Rajasthan., New Series,	Ann. Agriculture Research Vol. 40 (3) : 333-337	4.01
65.	Tetarwal, J.P., Ram Baldev, Bijarnia, Anju and Kumawat, Roshan	Efficacy of new herbicide in irrigated linseed (<i>Linum usitatissimum</i> L.)	Ann. Agriculture Research, New Series, Vol. 40 (4): 288-293 (2019).	4.01
66.	Preeti Verma, S. S. Punia and Rajesh Kumar	Stability analysis in chickpea (<i>Cicer arietinum</i> L.) for higher productivity and sustainability in South Eastern Rajasthan.	<i>Int. J. Agric. Sci.</i> 11(7): 8196-97.	4.82

67.	Preeti Verma, S.S. Punia and R.K. Shivran	Genetic variability and association studies in double podded lines of chickpea (<i>Cicer arietinum</i> L.).	<i>The Journal of Rural and Agricultural Research</i> 19 (2): 73-75.	3.89
68.	Meena, R. K., Meghwal, H. P., Khanswa, S. L. and Meena, B.L.	Training needs of farmer's towards improved production practices of mustard in Karauli District of Rajasthan.	<i>International Journal of Advances in Agricultural Science and Technology</i> , 6 (6): 20-29	3.77
69.	Ram, Baldev, Punia, S S, Tetarwal, J P and Narolia, R S.	Effect of foliar nutrition and hydrogel on soil moisture, growth, yield and economics of lentil under <i>vertisols</i>	<i>Journal of Food Legumes</i> 32 (2): 97-100	4.97
70.	Yadav, R. and Jain, S.K.	Physico-chemical and Sensory Quality Characteristics of Mandarin (<i>Citrus reticulata</i> Blanco.) wine as affected by Initial TSS and Sulphur Dioxide Concentration of the Must	<i>International Journal of Food and Fermentation Technology</i> , 9 (1): 41-46	4.03
71.	Singh Jitendra and Prerak Bhatnagar	Status of citrus decline in mandarin (<i>Citrus reticulata</i> Blanco) orchard in Jhalawar (Rajasthan)	<i>HortFlora Research Spectrum</i> 8(1&2): 43- 44	3.78

Year 2020

S. No	Authors	Title	Journal/Publisher	NAAS rating
72.	Jitendar Kumar Meena, Khajan Singh, PKP Meena, Rajesh Kumar and Deepak Meena	Studies on Genetic Variability, Correlation and Path Analysis in Lentil (<i>Lens culinaris</i> Medik.) Genotypes	<i>Int. J. Curr. Microbiol. App. Sci.</i> (2020) 9(9): 2078-2087	
73.	Sharma, K.M., Goyal, M.C., Singh, M., and Sharma, A.K.	Enhancement of Mustard (<i>Brassica juncea</i>) Productivity and Profitability through Front Line Demonstrations in Kota district of Rajasthan	<i>Ind. J. Pure App. Biosci.</i> 8 (2), 108-113	4.74
74.	Sharma, K.M., Singh, M., Goyal, M.C. and Sharma, A.K.	Scaling-up of Chickpea (<i>Cicer arietinum</i> L.) Productivity and Profitability through Cluster Front Line Demonstrations and Pulse Seed Hub in Kota district of Rajasthan	<i>Ind. J. Pure App. Biosci.</i> 8(2), 212-218	4.74
75.	Sharma, K.M. and Singh, Mahendra	Assessment of water soluble NPK foliar nutrition in Wheat (<i>Triticum aestivum</i> L.) through on-farm testing for improving yield and economic returns.	<i>International Journal of Science, Environment and Technology</i> ; 9(3):510-515	3.98
76.	M.C. Goyal, K.M. Sharma, Mahendra Singh, Akash Tanwar and A.K. Sharma	Impact of Front Line Demonstrations on Productivity and Profitability of Major Food Grain Crops at Tribal Farmers' Fields in Kota District of Rajasthan	<i>Ind. J. Pure App. Biosci.</i> 8(4), 215-220	4.74

77.	Kumawat, R, Shivran, AC, Ram, Baldev, Tetarwal, JP, Yadav, BD and Bijarnia, A.	Productivity and profitability of mustard (<i>Brassica juncea</i>) and lentil (<i>Lens esculenta</i>) intercropping system influenced by different levels of fertility	<i>Annals of Agricultural Research New Series</i> 41 (1): 1-6	4.01
78.	GS Meena, RK Bairwa, K Mahajani And BS Meena	Effect of Supplement Feeding of Shatavari on Lactating Buffaloes.	<i>Journal of AgriSearch</i> , 7(3):182-184	4.41
79.	S.K.Bairwa, Nawab Singh, Harish Verma and Ram Asarey	Analysis of attitude fruit grower towards guava (<i>Psidium guajava</i>) cultivation in Sawai madhopur district of Rajasthan, India	<i>Current Horticulture</i>	3.71
80.	Mahajani, K.	Physicochemical, Functional Properties and Proximate Composition of Tamarind Seed	<i>Journal of Agri Search</i> 7(01)	4.41

Teachers Attended / Symposia / Workshops / Seminar / Training during last five years

Year 2015-16

S. N.	Name of participant	Funding Agency	Title	Duration days
1.	Dr. Bhim Singh	Indian Society of Agricultural Statistics, New Delhi	Participated in 69 th Annual Conference of the Indian Society of Agricultural Statistics held at University of Kota, Kota (Rajasthan)	3 days
2.	Dr. R.K. Shivran	Bankok, Thailand	International conference on Innovative approaches in applied science and technologies	5 days
3.	Dr. Amol Vasishth	State Forest Research Institute, Jabalpur	Recent advances in Research and development in medicinal & aromatic plants – A Country Scenario	02 Days
4.	Dr. Navab Singh	DEE, SKRAU, Bikaner (Rajasthan).	Workshop on Capacity Building on Training Management	02 Days
5.	Dr. Navab Singh	DEE, MPUAT, Udaipur (Rajasthan).	training programme on “Agri-tourism”	03 Days
6.	Dr. Navab Singh	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior, M.P.	ISEE National Seminar on Extension Innovations and Methodologies for Market-led Agricultural Growth and Development,	04 Days

Year 2016-17

1.	Dr. Navab Singh	Institute of Agricultural Sciences, Banaras Hindu University, Varanasi (UP).	ISEE Golden Jubilee National Seminar - 2015 on Strategy to Drive Skill Based Agriculture Development Forward for Sustainability and Rural Employability”	03 Days
2.	Dr. Manoj Sharma	Udaipur	National level workshop on Soil Health Card Scheme	03 Days
3.	Dr. Baldev Ram	BAU, Ranchi (Jharkhand)	21 th Annual Group Meet on Kharif Pulses AICRP on MULLaRP & Pigeonpea 2015	3 days
4.	Dr. S. S. Punia	BAU, Ranchi (Jharkhand)	21 th Annual Group Meet on Kharif Pulses AICRP on MULLaRP & Pigeonpea 2015	3 days
5.	Dr. S. S. Punia	PAU, Ludhiana (Punjab)	Annual Rabi Pulses Group Meet on AICRP, MULLaRP & Chickpea	3 days
6.	Dr. Baldev Ram	IIPR, Kanpur (UP)	Group meet on Mungbean, Urdbean, Cowpea & Guar for Spring, Summer & Rice Fallow Cultivation	2
7.	Dr. Baldev Ram	ICAR-ATARI, Jodhpur	Sensitization Workshop Cum Training Programme on Pulses Crop	2

8.	Dr. Preeti Verma	ICRISAT, Patancheru (Telangana)	Chickpea Scientists Meet	2
9.	Dr. Preeti Verma,	PAU, Ludhiana (Punjab)	Annual Group Meet of Rabi Pulses	2
10.	Sh. A.K. Jain	PAU, Ludhiana (Punjab)	Annual Group Meet of Rabi Pulses	2
11.	Dr. R.K. Shivran	PAU, Ludhiana (Punjab)	Annual Group Meet of Rabi Pulses	2
12.	Dr. Preeti Verma	IISR, Kozhikode	Annual Workshop of Spices	3
13.	Dr. Preeti Verma	Dr. YSRHU, Tadepalligudem (AP)	Annual Review Meeting of CSS - MIDH	2
14.	Dr. Veena Bhatnagar	COA, Indore (MP)	Annual Workshop of AICRP on Linseed	2
15.	Dr. Chandra Prakash	DRR, Hyderabad	Annual Workshop of AICRP on Rice	5
16.	Dr. N.R. Koli	DRR, Hyderabad	Annual Workshop of AICRP on Rice	5
17.	Dr. Pratap Singh,	TNAU, Coimbatore (TN)	Biennial Workshop of AICRP on IWM	4
18.	Dr. R.S. Narolia,	TNAU, Coimbatore (TN)	Biennial Workshop of AICRP on IWM	4
19.	Dr. Harphool Meena	TNAU, Coimbatore (TN)	Biennial Workshop of AICRP on IWM	4
20.	Er. I.N. Mathur	TNAU, Coimbatore (TN)	Biennial Workshop of AICRP on IWM	4
21.	Dr. Harphool Meena	CSKHPKV, Palampur (HP)	Short course training on fertigation	10
22.	Dr. D.S. Meena	DRMR, Bharatpur at SIAM, Durgapura, Jaipur	22 nd Annual Group Meet of Rapeseed & Mustard	2
23.	Sh. R.K. Mahawar	DRMR, Bharatpur at SIAM, Durgapura, Jaipur	22 nd Annual Group Meet of Rapeseed & Mustard	2
24.	Dr. S.K. Trivedi	GBP UA&T, Pantnagar (UK)	Annual Group meet of Potato Workers	3
25.	Dr. B.S. Meena	Sugarcane Research Institute (RAU), Pusa Samstipur (Bihar)	Annual Group meet of AICRP on Sugarcane	2
26.	Dr. Pramod Chaudhary	Sugarcane Research Institute (RAU), Pusa Samstipur (Bihar)	Annual Group meet of AICRP on Sugarcane	2
27.	Dr. Arun Sharma	SKDAU, SK Nagar (Gujrat)	All India Wheat & Barley Research Workers Meet	4
28.	Dr. J.M. Dhakar	SKDAU, SK Nagar (Gujrat)	All India Wheat & Barley Research Workers Meet	4
29.	Dr. J.P. Tatarwal	IARI, New Delhi	National Dialogue on "Efficient Nutrient Management for Improving Soil Health"	2

30.	Dr. Baldev Ram	IARI, New Delhi	National Dialogue on “Efficient Nutrient Management for Improving Soil Health”	2
31.	Dr. J.P.Tetarwal	ICAR-IIFSR, Modipuram, Meerut (U P)	Technical Programme Review Workshop of AICRP-IFS	2
32.	Dr. J.P.Tetarwal	ICAR-CSSRI, Karnal (Haryana)	International Training Workshop on “Approaches for integrated analysis of agricultural systems in South-Asia: field, to farm, to landscape scale”	6
33.	Dr. J.P.Tetarwal	ICAR-IISS, Bhopal (MP)	21 days winter school on “Advance soil biological approaches for enhancing carbon sequestration and mitigate climate change”	21
34.	Dr. J C Sharma	Birsa Agriculture University, Ranchi (Jharkhand)	Annual Group Meeting	3
35.	Dr. P.K.P. Meena	Birsa Agriculture University, Ranchi (Jharkhand)	Annual Group Meeting	3
36.	Dr. H.R. Chaudhary	PDKV, Amravati (Maharashtra)	Annual Group Meet of Soybean	3
37.	Dr. Abhay Dashora	PDKV, Amravati (Maharashtra)	Annual Group Meet of Soybean	3
38.	Dr. D.S. Meena	PDKV, Amravati (Maharashtra)	Annual Group Meet of Soybean	3

Year 2017-18

1.	Dr. Baldev Ram,	ICAR, New Delhi & UAS, Bengaluru	National Conference on “Sustainable and Self-Sufficient Production of Pulses through an Integrated Approach	2
2.	Dr. S. S. Punia,	ICAR, New Delhi & UAS, Bengaluru	National Conference on “Sustainable and Self-Sufficient Production of Pulses through an Integrated Approach	2
3.	Dr. P.K.P. Meena	ICAR, New Delhi & UAS, Bengaluru	National Conference on “Sustainable and Self-Sufficient Production of Pulses through an Integrated Approach	2
4.	Sh. S.N. Meena	ICAR, New Delhi & UAS, Bengaluru	National Conference on “Sustainable and Self-Sufficient Production of Pulses through an Integrated Approach	2
5.	Dr. Baldev Ram,	ICAR, New Delhi	Annual Group Meet on Kharif Pulses of AICRP on Pigeonpea, MULLaRP & Arid Legumes	3
6.	Dr. S. S. Punia,	ICAR, New Delhi	Annual Group Meet on Kharif Pulses of AICRP on Pigeonpea, MULLaRP & Arid Legumes	3
7.	Dr. P.K.P Meena	ICAR, New Delhi	Annual Group Meet on Kharif Pulses of AICRP on Pigeonpea, MULLaRP & Arid Legumes	3

8.	Sh. S.N.Meena	ICAR, New Delhi	Annual Group Meet on Kharif Pulses of AICRP on Pigeonpea, MULLaRP & Arid Legumes	3
9.	Dr. H.R. Chaudhary	ICAR	Annual Group Meeting of AICRP on Soybean	3
10.	Dr. Abhay Dashora	ICAR	Annual Group Meeting of AICRP on Soybean	3
11.	Dr. D.S. Meena	ICAR	Annual Group Meeting of AICRP on Soybean	3
12.	Abhay Dashora	Govt. of India	Review Meeting on Spices and Aromatic Plants under MIDH implemented through DASD	2
13.	Dr. B.S. Meena	ICAR	Annual Group Meet of AICRP on Sugarcane	2
14.	Dr. Pramod Chaudhary	ICAR	Annual Group Meet of AICRP on Sugarcane	2
15.	Dr. B.S. Meena,	Career Point University, Alaniya, Kota	National Conference on Strategies and Innovations in Agricultural and Horticultural sciences	2
16.	Dr. Baldev Ram,	Career Point University, Alaniya, Kota	National Conference on Strategies and Innovations in Agricultural and Horticultural sciences	2
17.	Dr. J.P. Tatarwal	Career Point University, Alaniya, Kota	National Conference on Strategies and Innovations in Agricultural and Horticultural sciences	2
18.	Dr. R.S. Narolia	Career Point University, Alaniya, Kota	National Conference on Strategies and Innovations in Agricultural and Horticultural sciences	2
19.	Dr. Chandra Prakash	IIRR, Hyderabad and IGKV, Raipur	Annual Rice Research Group Meet	3
20.	Dr. N.R. Koli	IIRR, Hyderabad and IGKV, Raipur	Annual Rice Research Group Meet	3
21.	Dr. S.S. Punia	ICAR	Winter School Designing and analysis of Cropping Experiments	21
22.	Dr. Baldev Ram	ICAR	Workshop- Rabi Group Meet on AICRP on MULLaRP Crops	2
23.	Dr. Baldev Ram,	ICAR/ISA	4 th International Agronomy Congress “Agronomy for Sustainable Management of natural Resources, Environment, Energy and Livelihood Security to Achieve Zero Hunger Challenge	5
24.	Dr. J.P. Tatarwal,	ICAR/ISA	4 th International Agronomy Congress “Agronomy for Sustainable Management of natural Resources, Environment, Energy and Livelihood Security to Achieve Zero Hunger Challenge	5
25.	Dr. R.K. Shivran,	ICAR/ISA	4 th International Agronomy Congress “Agronomy for Sustainable Management	5

			of natural Resources, Environment, Energy and Livelihood Security to Achieve Zero Hunger Challenge	
26.	Dr. B.S. Meena,	ICAR/ISA	4 th International Agronomy Congress “Agronomy for Sustainable Management of natural Resources, Environment, Energy and Livelihood Security to Achieve Zero Hunger Challenge	5
27.	Dr. D.S. Meena,	ICAR/ISA	4 th International Agronomy Congress “Agronomy for Sustainable Management of natural Resources, Environment, Energy and Livelihood Security to Achieve Zero Hunger Challenge	5
28.	Dr. Harphool Meena,	ICAR/ISA	4 th International Agronomy Congress “Agronomy for Sustainable Management of natural Resources, Environment, Energy and Livelihood Security to Achieve Zero Hunger Challenge	5
29.	Dr. R.S. Narolia	ICAR/ISA	4 th International Agronomy Congress “Agronomy for Sustainable Management of natural Resources, Environment, Energy and Livelihood Security to Achieve Zero Hunger Challenge	5
30.	Dr. (Mrs.) Chaman Jadon	ICAR/ISA	4 th International Agronomy Congress “Agronomy for Sustainable Management of natural Resources, Environment, Energy and Livelihood Security to Achieve Zero Hunger Challenge	5
31.	Dr. Baldev Ram	ICAR	Workshop- “Group Meet on Mungbean, Urdbean, Cowpea and Guar for Spring, Summer & Rice Fallow Cultivation”	2
32.	Dr. S. S. Punia	ICAR	Workshop- “Group Meet on Mungbean, Urdbean, Cowpea and Guar for Spring, Summer & Rice Fallow Cultivation”	2
33.	Dr. Baldev Ram	ICAR	Short training programme on “Forage Resource Management for Sustainable and Economic Livestock Production”	10
34.	Dr. J.M. Dhakar	ICAR	Annual Workshop of Wheat & Barley at	4
35.	Dr. Arun Sharma	ICAR	Annual Workshop of Wheat & Barley at	4
36.	Sh. A. K. Jain,	ICAR	Annual Group Meet of AICRP on Chickpea	3
37.	Dr. Preeti Verma	ICAR	Annual Group Meet of AICRP on Chickpea	3
38.	Dr. R. K. Shivran	ICAR	Annual Group Meet of AICRP on Chickpea	3
39.	Dr. Preeti Verma	ICAR	Annual Group Meet of AICRP on Spices	3

40.	Dr. Pramod Kumar	ICAR	Annual Research Workers' Group Meeting on Linseed	3
41.	Dr. D.S. Meena	ICAR	Winter School entitled "Recent development in Organic agriculture Key to Sustain Production of Agro-system"	21
42.	Dr. D. S. Meena	ICAR	23 rd Annual Workshop of AICRP Rapeseed-Mustard to held at from	2
43.	Sh. R. K. Mahawar	ICAR	23 rd Annual Workshop of AICRP Rapeseed-Mustard to held at from	2
44.	Dr. J. P. Tetarwal	CCAFS Flagship Project CIMMYT	Workshop on "Farming Systems Analysis: Quantitative Tools to Explore Future Farming Systems Options and Formalize Trade-offs and Synergies for their Sustainable Intensification in South Asia	4
45.	Dr. J. P. Tetarwal	ICAR	Training on Carbon Sequestration and Green House Gas Measurement in IFS Models of AICRP on Integrated farming Systems	3
46.	Dr. J. P. Tetarwal	ICAR	IV (XXXII of Project) Biennial Workshop of AICRP on Integrated Farming Systems	3
47.	BS Meena	ICAR	Annual Group Meet of AICRP on Sugarcane	2
48.	Dr. H.P. Meghwal	PC Unit, AICRP on Honeybees and Pollinators, New Delhi	Biennial Group Meet on AICRP on Honeybees and Pollinators	3

Year 2018-19

1.	Dr. M K Poonia	State level workshop on Mandarine	Jhalawar, organised by SIAM Jaipur	3
2.	Dr. K.M.Sharma	Training on Oilseed production Technology	ATARI, Jodhpur	2
3.	Dr. Mahendra Singh	Zonal Workshop of KVKs of zone VI	AAU, Anand	3
4.	Dr. Mahendra Singh	National Workshop on Oilseed & Pulse production	ICAR, NASC, New Delhi	2
5.	Dr. Mahendra Singh	National Seminar on Indian Agriculture in Post Reform Era issues and Challenges	Bansthali Vidyapith	2
6.	Dr. K.M.Sharma	Two days training on "Scientific cultivation of mustard"	DRMR, Sewar, Bharatpur	2
7.	Dr. M. K. Poonia	Training to update the knowledge	IIVR, Varansi	15
8.	Dr. M K Poonia	"Advances in Genetic	Indian Institute of Vegetable Research,	10

		Enhancement of Underutilized Vegetable Crops	Varanasi	
9.	Dr. M K Poonia	orientation of master trainer for ASCL training	ATARI-Jodhpur	3
10.	Dr. Mamta Tiwari	GRAM programme & exhibition of value addition processed product	Jaipur	3
11.	Dr. Mamta Tiwari	Exhibition placed in Agriculture conference	IARI, New Delhi	6
12.	Dr. N.N.Tripathi	orientation of master trainer for ASCL training	Agriculture University, Raipur	3
13.	Dr. M K Poonia	Mandarin cultivation technology	COE, Nanta, Kota	3
14.	Dr. R.R. Meena	Use of Technical Termonogy In Higher Education	JNVU, Jodhpur	2
15.	Dr. R.R. Meena	Oilseed production technology	ATARI, Jodhpur	2
16.	Dr. Navab Singh	Seminar on “Enhancement of seed spice productivity in Rajasthan”	Supari & Masala Research Institute, Kalikat, Kerala, organized by CH&F, Jhalawar	2
17.	Dr. B.L. Meena	Seminar on “Enhancement of seed spice productivity in Rajasthan”	Supari & Masala Research Institute, Kalikat, Kerala, organized by CH&F, Jhalawar	2
18.	Dr. A.K. Verma	National Conference on Strategies & Innovations in Agricultural and Horticultural Science	Career Point University, Kota (Rajasthan)	2
19.	Dr. Ram Raj Meena	Organic production of vegetable crops	IHITC, Jaipur	2
20.	Dr. A.K. Verma	Front Line Demonstration (cluster demonstration) under NMOOP Mustard training	DRMR, Sevar, Bharatpur	2
21.	Dr. A.K. Verma	Zonal workshop cum training	ATARI, Jodhpur	2
22.	Dr. R.R. Meena	An International- 7th Indian Horticulture congress 2016 at New Delhi	IARI, New Delhi	4

23.	Dr. A.K. Verma	4th International Agronomy Congress	IARI, New Delhi	5
24.	Dr. A.K. Verma	4th International Agronomy Congress	IARI, New Delhi	5
25.	Dr. R. R. Meena	Cluster Seminar on “Citrus Production technology”	COE, Kota	3
26.	Dr. Arjun K. Verma	State level mid review and planning workshop of KVKs of Rajasthan	Banasthali Vidhyapith, Vanasthali	2
27.	Dr. B.L. Meena	State level workshop on Mandarin	Krishna Palace, Jhalawar	3
28.	Dr. Navab Singh	Participated in training programme on “Recent advances in dairy management” organized by DEE, AU, Kota under ICAR technological backstopping	DEE, AU, Kota	2
29.	Dr. R.R. Meena	National seminar at JNVU, Jodhpur	Jodhpur	2
30.	Dr. R.R. Meena	Two days’ workshop on MNOP at ATARI, Jodhpur	ATARI, Jodhpur	2
31.	Dr. Ram Asarey	Zonal Workshop of KVKs	Aanand	3
32.	Dr. Harish Verma	Two days training on scientific production technology of rapeseed mustard	DRMR, Sewar, Bharatpur	2
33.	Dr. B.L. Meena	Workshop cum training programme on pulses	ATARI, Jodhpur	2
34.	Dr. B.L. Meena	Winter school	CCSHAU, Hisar	21
35.	Dr. Ram Asarey	Workshop of KVKs	KVK, Vanasthali	2
36.	Dr. K.C. Meena	International Extension Education Conference	BHU, Varanasi	4
37.	Dr. K.C. Meena	Training on oilseed production	ATARI Jodhpur	2
38.	Dr. D.K. Singh	Zonal workshop of KVKs	AU Anand	3
39.	Dr. D.K. Singh	Mid review and action plan workshop	KVK Vansthli	2
40.	Dr. T.C. Verma	Training to trainer on Bee keeping	CAZRI Jodhpur	3

41.	Dr. K.C. Meena	Climate change adoption and mitigation strategies for sustainable agriculture	SKNAU, Jobner	10
42.	Dr.B.S.Meena	National Conference on strategies & innovations in Ag.& Hort.Science	Career point Univ.Kota	2
43.	Dr.Bachchu Singh	Zonal Workshop of KVK's Zone VI	UAS,Anand	3
44.	Dr.Ram Kishan Meena	Workshop cum training on pulses	Director ICAR-ATARI Jodhpur	2
45.	Dr.Bachchu Singh	State level Mid Review & Planning workshop for KVK's of Rajasthan	KVK, Vanasthali	2
46.	Dr.B.S.Meena	Winter School	Deptt. of Ext. Education, RCA,MPUA&T Udaipur	21

Year 2019-20

1.	Dr. Ram Raj Meena	Participation	Akhil Bharitya Jaivik Krishi Maha kumbha	2
2.	Dr. Arjun Kumar Verma	Participation	10 th National workshop of KVKs	2
3.	Dr. Arjun Kumar Verma	Participation	Krishi Unnati Mela 2018	3
4.	Dr. Arjun Kumar Verma	Participation and presentation of annual progress report 2017-18	Zonal Workshop of KVKs	3
5.	Dr. Sewa Ram Rundala	Participation, presentation and discuss for progress report of CFLD	Pulses Production Technology Meeting	2
6.	Dr. Harish Verma	For trainer in Bee Keeper	Training of Trainers under skill development programme of ASCI sponsored by ATARI, Jodhpur	3
7.	Mr. Arvind Nagar	For trainer in Nursery worker	Training of Trainers under skill development programme of ASCI sponsored by ATARI, Jodhpur	3
8.	Dr. Mohmmad Yunus	Participation	ICAR sponsored Winter School on "Extension and Communication Approaches For Sustainable Agriculture"	21
9.	Dr. Sewa Ram Rundala	Orientation training	Orientation Training Programme for Strategies to improve the Performance of	5

			officers involved in Soil Health Card Scheme	
10.	Dr. Ashutosh Mishra	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
11.	Dr. Virendra Singh	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
12.	Dr. P.S. Chauhan	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
13.	Dr. S.B.S. Pandey	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
	Dr. P. Bhatnagar	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
14.	Dr. Prahlad V.C.	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
15.	Dr. Kavita A	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
16.	Dr. C.K. Arya	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
17.	Dr. Ashok Kumar	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
18.	Dr. Navale Mansi	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
19.	Sh Bhuvnesh Nagar	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
20.	Dr Rahul Chopra	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
21.	Sh Ladhu Ram	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
22.	Sh Nirmal K. Meena	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
23.	Sh. Hanuman Singh	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2

24.	Sh. Rajesh K. Sharma	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
25.	Dr. Hemraj Chhipa	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
26.	Dr. Anil K. Gupta	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
27.	Dr. Kanika Chauhan	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
28.	Dr. Bhuri Singh	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
29.	Dr. Priyanka Solanki	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
30.	Dr. Suresh K. Jat	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
31.	Dr. Anchal Sharma	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
32.	Dr. S. K. Jain	CHF, Jhalawar	National seminar on “Technological Advancement in Horticulture for 21th Century	2
33.	Dr. P.S. Chauhan	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
34.	Dr. Kavita A.	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
35.	Dr. C.K. Arya	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
36.	Dr. Navale Mansi	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
37.	Dr. Rahul Chopra	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
38.	Sh. Ladhu Ram	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
39.	Sh. Nirmal K Meena	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
40.	Sh. Hanuman Singh	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
41.	Sh. Rajesh K Sharma	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
42.	Dr. Hemraj Chhipa	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
43.	Dr. Anil K.Gupta	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2

44.	Dr. Kanika Chauhan	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
45.	Dr. Bhuri Singh	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
46.	Dr. Priyanka Solanki	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
47.	Dr. Anchal Sharma	CHF, Jhalawar	Workshop on “Hi-Tech Horticulture	2
48.	Dr Suresh Bairwa	AU, Kota	Modern Horticulture Techniques	2
49.	Miss Priyanshu,	KVK, Anta	National Seminar onion, garlic and potato	2
50.	Roop Singh	KVK, Anta	National Seminar onion, garlic and potato	2
51.	Dr S. L . Kaswan	KVK, Badgaon	NFSM, Oil seed	2
52.	Dr Bachchu Singh,	KVK, Karauli	IPM Training	5
53.	Dr R K Meena,	KVK, Karauli	IPM Training	5
54.	Dr B. S. Meena,	KVK, Karauli	IPM Training	5
55.	Dr S L Kaswan,	KVK, Karauli	IPM Training	5
56.	Dr Suresh Bairwa	KVK, Karauli	IPM Training	5
57.	RoopSingh	KVK, Karauli	IPM Training	5
58.	Miss Priyanshu Tripathi	KVK, Karauli	IPM Training	5
59.	Dr. Navale Mansi	ICAR-NAARM	Workshop on Development of soft skills for entrepreneurship among agri-graduates	2
60.	Dr. C.K. Arya	CTAE, MPUAT Udaipur	Summer School on Up-scaling of water productivity in arid and semi-arid area for sustainable agriculture	21
61.	Dr P Bhatnagar	SKRAU, Bikaner	Winter School on Hi-Tech approaches for production and value addition of horticulture crops in arid and semi-arid regions	21
62.	Dr. P.S. Chauhan	CHF, Jhalawar	Training programme on Personality Development	2
63.	Dr. Navale Mansi	CHF, Jhalawar	Training programme on Personality Development	2
64.	Dr. Rahul Chopra	CHF, Jhalawar	Training programme on Personality Development	2
65.	Sh. Hanuman Singh	CHF, Jhalawar	Training programme on Personality Development	2
66.	Sh. Rajesh K Sharma	CHF, Jhalawar	Training programme on Personality Development	2
67.	Dr. Hemraj Chhipa	CHF, Jhalawar	Training programme on Personality Development	2

68.	Dr. Kanika Chauhan	CHF, Jhalawar	Training programme on Personality Development	2
69.	Dr. Priyanka Solanki	CHF, Jhalawar	Training programme on Personality Development	2
70.	Dr. Anchal Sharma	CHF, Jhalawar	Training programme on Personality Development	2
71.	Dr. Anju V	CHF, Jhalawar	Training programme on Personality Development	2
72.	Dr Kanika Chauhan	College of Agriculture, Jodhpur	Training Programme on Precision Water Management in High Value Crop: An option for efficient use of water for doubling farmers income in Arid region	8
73.	Dr Priyanka Solanki	College of Agriculture, Jodhpur	Training Programme on Precision Water Management in High Value Crop: An option for efficient use of water for doubling farmers income in Arid region	8
74.	Dr. Neetha P	IIFM, Bhopal	Training Programme on Environmental leadership and life skills for women scientist	5
75.	Dr B S Meena	MPUAT, Udaipur	Summer School	21
76.	Dr S L Kaswan	ATARI, Jodhpur	Training on progress of pulses	2
77.	Dr Suresh Bairwa	ARS, Kota	Orientation Programme	21
78.	Dr. Subhash Aswal	SKNAU, Jobner	Winter school on soil health improvement through horticultural crops	21
79.	Dr. Subhash Aswal	KVK, Anta	District Seminar on Horticultural crops	2
80.	Dr. Subhash Aswal	KVK, Udaipur	NFSM Workshop on Oilseeds technology	2
81.	Dr.D.K. Singh	CH&F, Jhalawar	National seminar on technology advanced in Horticulture for 21st Century	2
82.	Dr.D.K. Singh	MPUAT, Udaipur	Annual Zonal Workshop of KVK's	3
83.	Dr.D.K. Singh	MPUAT, Udaipur	QRT Workshop	3
84.	Dr. Sunil Kumar	AU, Kota	Orientation programme	21
85.	Dr. Sunil Kumar	AU, Jodhpur	Zonal Workshop cum training on pulses	3
86.	Dr. Subhash Aswal	ATARI, Jodhpur	NFSM Workshop on Pulse technology	2
87.	Dr. Subhash Aswal	KVK, Anta	District Seminar on Horticultural crops	2
88.	Nupur Sharma	KVK, Anta	National Seminar	2
89.	Nupur Sharma	SKARU, Bikaner	National Seminar on Entrepreneur and Innovation in Agriculture for socio economic empowerment of farmers	2
90.	Nupur Sharma	AU, Kota	Orientation Course at AU, Kota	21
91.	Nupur Sharma	ATARI, Jodhpur	Zonal workshop on NFSM Pulses	2
92.	Nupur Sharma	ATARI, Jodhpur	Zonal workshop on NFSM Pulses	2

93.	Dr. B.L. Meena	MPUAT, Udaipur	Annual Zonal Workshop	3
94.	Dr. K.C. Meena	SKARU, Bikaner	National seminar on holistic approach for agricultural growth in changing rural scenario	3
95.	Dr. Chamandeep Kaur	AU, Kota	Orientation Course at AU, Kota	21
96.	Dr. Kirti	New Delhi	Extension Approaches for Integrating Technological Options and Institutional Arrangement for Doubling Farmers Income	21
97.	Dr. Lokesh Kumar Meena	New Delhi	Recent Advances in Statistical Modelling and Forecasting for Agricultural Data Analysis	21
98.	Dr. Lokesh Kumar Meena,	Kota	National Workshop on Pigeonpea	3
99.	Dr. Kirti,	Kota	21 days orientation course on Agriculture Education Research and Extension Management	21
100.	Dr. Lokesh Kumar Meena	Kota	21 days orientation course on Agriculture Education Research and Extension Management	21
101.	Dr. Baldev Ram	KVK, Anta (Baran)	National seminar on “Strategic Management of Production & PHT of Garlic, Onion & Potato (GOP) for Doubling Farmer Income in Changing Climatic Scenario”	2
102.	Dr. Mamta tiwari	KVK, Anta (Baran)	National seminar on “Strategic Management of Production & PHT of Garlic, Onion & Potato (GOP) for Doubling Farmer Income in Changing Climatic Scenario”	2
103.	Gunjan Sandhya	KVK, Anta (Baran)	National seminar on “Strategic Management of Production & PHT of Garlic, Onion & Potato (GOP) for Doubling Farmer Income in Changing Climatic Scenario”	2
104.	Dr. Baldev Ram	Agriculture University, Kota	Annual Pigeonpea Group Meet 2019	2
105.	Dr. S. C. Sharma	Agriculture University, Kota	Annual Pigeonpea Group Meet 2019	2
106.	Sh. S. N. Meena	Agriculture University, Kota	Annual Pigeonpea Group Meet 2019	2
107.	Dr. B.S. Meena	Agriculture University, Kota	Annual Pigeonpea Group Meet 2019	2
108.	Dr. Baldev Ram	IGKV, Raipur (CG)	Chief Scientist Meet of AICRP on IWM	3
109.	Dr. Rajendra	IGKV, Raipur (CG)	Chief Scientist Meet of AICRP on IWM	3
110.	Kumar Yadav	IGKV, Raipur (CG)	Chief Scientist Meet of AICRP on IWM	3
111.	Dr. Baldev Ram	College of Agriculture (Agriculture	Model Training on “Precision Water Management in High Value Crops: An Option for Efficient use of Water for	8

		University), Mandor, Jodhpur (Raj.)	Doubling Farmers Income in Arid Region”	
112.	Dr. Rajendra Kumar Yadav	ICAR- Indian Agricultural Statistical Research Institute (IASRI), New Delhi.	Summer School on “Statistical advances in designing agricultural experiments and data analysis”	21
113.	Dr. Rajendra Kumar Yadav	Banaras Hindu University, Varanasi (UP)	National Seminar on “84 th Annual convention of ISSS”	4
114.	S. N. Meena	MPUAT, Udaipur	CRAFT training on Research and Development in organic farming: current status and way forward	21
115.	Dr. H. R. Chaudhary,	ICAR-IISR, Indore (MP)	QRT meeting of AICRP on Soybean	2
116.	Dr. D. S. Meena	ICAR-IISR, Indore (MP)	QRT meeting of AICRP on Soybean	2
117.	Sh. B. L. Meena	ICAR-IISR, Indore (MP)	QRT meeting of AICRP on Soybean	2
118.	Dr. B.S. Meena	Ranoli	Mustard workshop	3
119.	Dr. B.S. Meena	Bhopal	Short courses	10
120.	Dr S. L. Yadav	IARI, New Delhi	XIV Agricultural Science Congress “Innovation for Agricultural Transformation	4
121.	Dr Khajan Singh Dr. S.L. Yadav	ANGRU, Lam, Guntur	Annual Group Meet on Rabi MULLaRP & Arid Legumes	3
122.	Dr Khajan Singh Dr. S.L. Yadav	Agriculture University, Kota	Annual Group Meet on Pigeonpea	3
123.	Dr Khajan Singh Dr S. L. Yadav	BARC, Trombay, Mumbai	Annual Group Meet on Mungbean, Urdbean, Cowpea and Guar for spring, & Rice fallow cultivation	2
124.	Dr. Manoj Kumar	Agriculture University, Kota	Orientation course-I	21
125.	Ms. Yamini Tak	Agriculture University, Kota	Orientation course-I	21
126.	Dr. Rakesh Kumar Yadav	Agriculture University, Kota	Orientation course-I	21
127.	Dr. Chaman Kumari Jadon	Agriculture University, Kota	Orientation course-I	21
128.	Gunjan Sanadhya	Agriculture University, Kota	Orientation course-I	21
129.	Dr Khajan Singh	Agriculture University, Kota	Orientation course-II	21
130.	Dr S. L. Yadav	Agriculture University, Kota	Orientation course-II	21

131.	Dr. D. L. Yadav	Agriculture University, Kota	Orientation course-II	21
132.	Sh. Chirag Gautam	Agriculture University, Kota	Orientation course-II	21
133.	Dr. Sandhya	Agriculture University, Kota	Orientation course-II	21
134.	Rajesh Kumar	Agriculture University, Kota	Orientation course-II	21
135.	Rajendra Kumar Yadav	Agriculture University, Kota	Orientation course-II	21
136.	Dr. H. P. Meghwal	School of Agricultural Science and Rural Development, Medziphema, Nagaland	Biennial Group meeting of AICRP on Honeybee and Pollinators	2
137.	Dr. DS Meena,	Annual Workshop Birsa Agricultural University,	Jharkhand 49th All India Soybean Research Project at Shri Bharat Lal Meena	3
138.	Dr. H.R. Chaudhary	Annual Workshop Birsa Agricultural University,	Jharkhand 49th All India Soybean Research Project at Shri Bharat Lal Meena	3
139.	Dr. M. K. Sharma	Rajasthan Agricultural Research Institute (RARI) Durgapura, Jaipur	ICAR sponsored winter school on “Advances in organic manure production and bio gas technology for entrepreneurial development and empowerment of farmers”	21
140.	Dr. N. R. Koli	UAS, Dharwad	Annual Group Meeting of AICRP on Sugarcane	3
141.	Dr. N. R. Koli	ICAR-IARI, Regional Station, Indore	Annual Group Meeting of AICRP on Wheat and Barley	3
142.	Dr. B. L. Nagar	NTPC, Anta organized by KVK. Anta, AU, Kota and NHRDF, Kota.	Horticulture	2
143.	Dr. B. L. Nagar	DEE, AU Kota.	Modern Horticulture Techniques	2
144.	Dr. B. L. Nagar	JNKVV, Jabalpur	Annual group Meeting of AICRP on Potato	2
145.	Dr. D. L. Yadav	JNKVV, Jabalpur	Annual group Meeting of AICRP on Potato	2
146.	Dr. B. L. Nagar	MPUAT, Udaipur	Up scaling of water productivity in arid and semi arid areas for sustainable agriculture	21
147.	Dr. B. L. Nagar	RARI, Jaipur	IPASSARD	3
148.	Dr. D. L. Yadav	AAU, Anand	West Zone ICAR meeting	3
149.	Dr. R.K. Meena	DOR, MPUAT, Udaipur.	Participation in CAFT, training on “Productivity, Economics and	21

			Environmental performance in organic Agriculture”	
150.	Dr. J.P. Tetarwal	CH&F, Jhalawar, Agriculture University, Kota	National Seminar on Technological Advancement in Horticulture for 21 st Century	2
151.	Dr. J.P. Tetarwal	Bidla Auditorium, Jaipur	National Conference Promoting Integrated Agriculture System, Discussing Prospects and Challenges, Increasing Farmers' Income Through Integrated Farming System	2
152.	Dr. J. P. Tetarwal	CH&F, Jhalawar, Agriculture University, Kota	National Seminar on Technological Advancement in Horticulture for 21 st Century	2
153.	Dr. J. P. Tetarwal	PAU, Ludhiana	Writing Lab Exercise ICAR-IIFSR, CIMMYT & WUR under AICRP on IFS	8
154.	Dr. J. P. Tetarwal	Montevideo, Uruguay	6 th International Symposium for Farming Systems Design, Oral paper presentation on “ <i>Resource optimization using farm design for addressing background science of farming systems prototype: A case of Rajasthan India</i> ”	4
155.	Dr. J. P. Tetarwal	Junagarh Agriculture University, Junagarh (Gujrat)	Annual Group Meet of AICRP-IFS	3
156.	Dr Chandra Prakash	ICAR-IIRR, Hyderabad	QRT Meeting from 2012-2017.	2
157.	Dr. Manoj Kumar	ICAR-IIRR, Hyderabad	QRT Meeting from 2012-2017.	2
158.	Dr Chandra Prakash	ICAR-IIRR, Hyderabad	54 th Annual Rice Group meet	3
159.	Dr. Manoj Kumar	ICAR-IIRR, Hyderabad	54 th Annual Rice Group meet	3
160.	Dr. Sandhya	CSAUA&T, Kanpur (UP)	Annual Workshop of AICRP on Linseed-2019	3
161.	Dr. Sandhya	ICAR-IASRI, New Delhi	21 days training programme on “Statistical advances in designing agricultural experiments an data analysis”	21
162.	Dr. Rajendra Kumar Yadav	ICAR-IASRI, New Delhi	21 days training programme on “Statistical advances in designing agricultural experiments an data analysis”	21
163.	Dr. Preeti Verma	BAU, Ranchi (JH)	Annual Group Meet of AICRP on Chickpea	3
164.	Sh. S. N. Meena	BAU, Ranchi (JH)	Annual Group Meet of AICRP on Chickpea	3

165.	Dr. Mamta Tiwari	NIPHM, Hyderabad	Training Programme Post Harvest Technology	5
166.	Gunjan Sanadhaya	NIPHM, Hyderabad	Training Programme Post Harvest Technology	5
167.	Gunjan Sanadhaya	Agriculture University, Kota	Orientation course	5
168.	Dr. Kirti	Agriculture University, Kota	Orientation course	21
169.	Dr. Lokesh Kumar Meena,	Agriculture University	Orientation course	21
170.	Dr. Lokesh Kumar Meena,	Agriculture University	Orientation course	3
171.	Dr. Kirti,	Agriculture University	Orientation course	21
172.	Dr. Lokesh Kumar Meena	Agriculture University	Orientation course	21



कृषि विश्वविद्यालय, कोटा
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No.F. AU/Kota/2019/ 10631 - 32

Date 7/12/19

To.

Deputy Director General (Agril. Edn.),
Indian Council of Agricultural Research,
Kirshi Anusandhan Bhawan-II,
Pusa, New Delhi 110012

Sub. Compliance report of Accreditation program of Agriculture University, Kota

This has reference to your letter no. F. No. Edn. 11/5/2016-EQR dated 18.11.2016 on the subject cited above. Please find enclosed herewith Compliance Report Action Taken Report on the observation of Peer Review Team and Sectoral Committee of the National Agricultural Education Accreditation Board of ICAR for the Accreditation of Agriculture University, Kota.

Encl.: As above

Yours faithfully,


Registrar

Copy to:

1. PS to HVC, AU, Kota for kind information with enclosure .


Registrar



**Action Taken Report on the
Observations of Peer Review Team and
National Agricultural Education
Accreditation Board, ICAR, New Delhi**

Submitted by



Agriculture University, Kota

**Action taken report on the observation of PRT and
National Agricultural Education Accreditation Board, ICAR, New Delhi**

Governance	
S.No.	Observation of PRT
1.	<p>Though name of the University is Agriculture University, it is currently not offering any Academic Programme in agriculture instead, it is offering programme in Horticulture and Forestry. Hence, immediate steps needed to be taken justifying the programme and name of the University in conformity to each other.</p>
	Action taken
	<p>On bifurcation from MPUAT, Udaipur the newly constituted Agriculture University, Kota inherited the programme being operated in the jurisdiction of six districts. The programs included.</p> <p>Education: One constituent College of Horticulture & Forestry and two non affiliated Colleges on Agriculture.</p> <p>Research: Four research stations and 12 AICRPs.</p> <p>Extension: Six KVKs.</p> <p>A new College of Agriculture, Kota has been started from the Academic Session 2018-19 vide sanction no. ए.4(26)कृवि-3/2018, दिनांक 10.04.2018 from Government of Rajasthan. The college is offering U.G., PG. & Ph.D. programmes in different disciplines of the Agriculture faculty as per details given as under vide Notification No. एफ() / कृवि / कोटा / एन. / 2018 / 714-22, दिनांक 27.04.2018.</p>
2.	<p>Composition of existing selection committee for the recruitment of statutory officers and faculty is unwieldy. The Committee opines that this should be limited to five members.</p>
	Annexure- 1-2
	<p>The existing composition of selection committee for the recruitment of statutory officers and faculty is well defined in the University Act. and statutes, schedule V. "The Rajasthan University Teachers and officers (Selection for appointment) Act, 1974 (as amended from time to time)", and it is applicable in all the universities in state including SAU's of the state.</p>
3.	<p>The Mission statement, goals and objectives of the University and constituent College need to be revisited by considering agro-climatic zone and cropping pattern of the University jurisdiction area and problems faced by the farming community.</p>
	Annexure-3
	<p>The Mission statement, Goals and Objectives of the University and college have been revised.</p>
	Annexure-4

4.	Regarding financial resource, the internal revenue generation is about 5-6% during last few years. The facilities and resources of the University should be optimally exploited for generation of internal resource through: Production and sale of quality seed, planting materials and value added products Effective linkage with the industries for transfer to technologies.	The necessary measures have been undertaken. Efforts have been made to improve internal revenue generation through optimal utilization of resources. At present, the internal revenue generation of the University has been increased to about 25% of the total budget.
Academics		
1.	The nomenclature of UG programmes should be changed as per the recommendations of Dean's Committee of ICAR, B.Sc. (Horticulture) may be renamed as B.Sc. (Hons) Horticulture and B.Sc. (Forestry) may be changed as B.Sc. (Hons) Forestry.	The nomenclatures of UG programmes have been changed as per the recommendation of Dean's committee of ICAR vide Notification No. CHF/IWR / Academic/ 2017/185-91 dated 27.04.2017 and F.O/DEAN/ COA/2018/180-89 dated 04.07.2018 Annexure 5-6
2.	It has been observed by the Team that the activities of RAWE and Experiential Learning have not been implemented in true spirit of the Dean's Committee Recommendations. The PRT strongly recommends implementing these components as per Students READY programme encompassing student's internship in processing plants, seed production units and exposure to high-tech cultivation, landscaping floral art making and nursery management.	The RAWE program for the Faculty of Horticulture & Forestry is efficiently operated through the well established units of (a) Protected cultivation (b) Hydroponics (c) Nursery management (d) Honeybee rearing and processing (e) Food Processing Further, the ELU on "Raising quality planting material for forestry has been approved by ICAR.
3.	The Faculty in College of Horticulture and Forestry should be strengthened in accordance with the recommendations of the Dean's committee. Efforts are required to maintain the faculty ratio on the pattern of 1:2:3 of Professors, Associate Professors and Assistant Professors respectively in each Department.	<ul style="list-style-type: none"> ● In this context, 28 new posts have been sanctioned by State Govt. vide letter No. प.3(47)कृषि-3/2018 दिनांक 04.08.2017 ● Moreover, the Govt. of Rajasthan accorded the permission to fill up the vacant positions of the University vide letter no. प.3(20)कृषि-3/2016 दिनांक 02.12.2016, प.3(20)कृषि-3/2016 दिनांक 06.09.2017 एवं प.3(20)कृषि-3/2016 दिनांक 12.07.2018. Most of the posts have been filled and recruitment process of the remaining vacant positions is under process. Annexure 7-10

Students Development													
1.	<p>The Personality Development Counselling and Placement Cell need to be established with dedicated manpower for effective delivery of the required functions such as communication skills, coaching for JRF/SRF, campus placements and In-plant training.</p> <p>Considering the academic programme of Horticulture and Forestry, the students should be involved in university developmental activities such as tree plantations and landscaping.</p>												
2.	<p>The students are regularly engaged in plantation and landscaping activities. More than 500 plants have been planted in the campus. An arboretum of forestry species (A to Z) has also been planted comprising two plants each of 125 forest species by the students.</p> <p style="text-align: right;">Annexure 11-12</p>												
Faculty development													
1.	<p>The teaching faculty should be provided adequate training in pedagogy. The faculty needs to be trained in their own discipline through CAFT/summer school.</p>												
2.	<p>The faculty of the university is being deputed for attending summer/winter schools/CAFT trainings for their skilling up of knowledge. The faculty deputed in such programme in previous years is as under:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>S.No.</th> <th>Year</th> <th>No. of Faculty deputed</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2017-18</td> <td>07</td> </tr> <tr> <td>2.</td> <td>2018-19</td> <td>45</td> </tr> <tr> <td>3.</td> <td>2019-20</td> <td>30</td> </tr> </tbody> </table> <p>The faculty is encouraged to submit the project proposals to various funding agencies from time to time. After accreditation, the following projects were sanctioned by different funding agencies to this university:</p> <ol style="list-style-type: none"> 1. Popularization of strawberry cultivation in Jhalawar district of Rajasthan. 2. Conservation, popularization, propagation and popularization of Chirongi in South Eastern Rajasthan. 3. Innovation grant for Hi-tech Horticulture (Component IC) under NAHEP, ICAR running from 2018-19. 4. Skill empowerment of women in dairy cattle management. 5. Processing & value addition of seasonal foods for maximum profitability and income generation among rural youth of south east Rajasthan. 6. Strengthening of State Level Beekeeping Centre. 7. Establishment of centre of excellence for enhancing productivity and value addition of garlic in south-east Rajasthan. <p style="text-align: right;">Annexure 13-15</p>	S.No.	Year	No. of Faculty deputed	1.	2017-18	07	2.	2018-19	45	3.	2019-20	30
S.No.	Year	No. of Faculty deputed											
1.	2017-18	07											
2.	2018-19	45											
3.	2019-20	30											

	<p>8. Development of Integrated Farming System modal for enhancing livelihood security of small and marginal farmers in South-Eastern Rajasthan.</p> <p>9. Crop Residue Management in Wheat-Soybean cropping system in south-eastern Rajasthan.</p> <p>10. Development of fertigation schedules for vegetables and citrus crops under pressurized irrigation system in south – east Rajasthan.</p> <p>11. Standardization of crop geometry for enhancing quality tonnage and yield of annual and perennial drumstick in Kota district.</p> <p>12. Establishment of Sirohi goat demonstration unit for raising income and skill development of rural youth of South-Eastern Rajasthan.</p> <p>13. Development of improved Agrotechniques of enhancing productivity and profitability of Quinoa (<i>Chenopodium quinoa</i>) and Chia (<i>Salvia hispanica</i>) in South-Eastern Rajasthan.</p> <p>14. Popularization of strawberry cultivation in Jhalawar district of Rajasthan.</p> <p>15. Evaluation of Organic Production System for Improving Soil health vis-a-vis Crop Productivity and Quality in the hadoti region of Rajasthan.</p>												
<p>3. Though ICAR extends financial support, the University has not been able to implement Best Teacher Award to recognize and encourage the faculty who are doing excellent job. The Team recommends that the Best Teacher Award should be instituted and given annually. Further, other awards such as Best Scientist, Best Extension worker and Best Research publication may be initiated.</p>	<p>The University has implemented Best Teacher Award from Academic Session 2018-19 vide office order no. F ()/AU/Kota/2018/11887-908 dated 27.12.2018. The provisions are being made for instituting other awards also.</p> <p style="text-align: center;">Annexure 16</p>												
<p>4. The following staff/facilities need to be created at the College of Horticulture and Forestry on top priority:</p> <ul style="list-style-type: none"> • Strengthening of Laboratory technicians and field assistants • Examination Hall 	<p>The State Govt. vide letter no. प. 3(47)/कृषि-3/2016 दिनांक 04.08.2017 has sanctioned 04 posts of Lab Assistant, 03 posts of Agriculture Supervisor, 02 posts of Forest Guard, 01 post of Library Assistant and 01 post of Care taker.</p> <p>Further, following infrastructure facility at College of Horticulture and Forestry, Jhalawar was also been sanctioned.</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Category</th> <th>No. of quantity</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Class rooms</td> <td>02</td> </tr> <tr> <td>2.</td> <td>Examination Hall</td> <td>01</td> </tr> <tr> <td>3.</td> <td>Library</td> <td>01</td> </tr> </tbody> </table>	S.No.	Category	No. of quantity	1.	Class rooms	02	2.	Examination Hall	01	3.	Library	01
S.No.	Category	No. of quantity											
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2.	Examination Hall	01											
3.	Library	01											

<p>4. Farm office cum laboratories 01</p> <p>5. Establishment of forensic Lab 01</p>	<ul style="list-style-type: none"> • Adequate hostels for Boys and Girls • Medical facility • Games & sports facilities <p>The expansion of existing girls hostel was done and the capacity was increased from 24 to 56 girls. Similarly, a new hostel is under construction local arrangement has been made.</p> <p>The following games & sports facilities have been created;</p> <table border="1"> <tr><td>1. Cricket cum football ground</td><td>01</td></tr> <tr><td>2. 400 m running track</td><td>01</td></tr> <tr><td>3. Basket ball court</td><td>01</td></tr> <tr><td>4. Kabaddi court</td><td>01</td></tr> <tr><td>5. Volley ball ground</td><td>01</td></tr> <tr><td>6. Outdoor badminton court</td><td>02</td></tr> <tr><td>7. Tennis</td><td>02</td></tr> </table> <ul style="list-style-type: none"> • Crop cafeteria for showcasing horticultural and forestry plant materials • College Canteen • Placement Cell <p>The college canteen is functioning regularly.</p> <p>Training and Placement Cell under DSW has been activated.</p>	1. Cricket cum football ground	01	2. 400 m running track	01	3. Basket ball court	01	4. Kabaddi court	01	5. Volley ball ground	01	6. Outdoor badminton court	02	7. Tennis	02
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