Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut

2018-19

ANNUAL REPORT

वार्षिक प्रतिवेदन

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SARDAR VALLABHBHAI PATEL UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, MEERUT-250110 (U.P.) INDIA
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Annual Report 2018-19
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Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut

Preface

It is my pleasure to present you the Annual Report of the University for the year 2018-19. The key achievements included in the report would reveal that the academic year has been quite encouraging for making significant progress in the three objectives - education, research and extension of agriculture, set out in our mandate to conduct, promote and coordinate for rural development. We stepped up our efforts to deliver an outstanding learning experience for students while preparing them for their promising future in new ways. The academic year has been an exciting one since a great foundation for several initiatives particularly the starting of the three new colleges and establishment of the new Krishi Vigyan Kendra, was laid. Besides great efforts made in teaching and research that led to our students getting good placement, the University has satisfied the technological needs of the farming community through seed production, awareness creation using ICT such as mobiles, whatsapp, radio and TV talks, training, fairs/Kisan Melas, demonstrations, on-farm trials, farmers visits etc. to increase their income and livelihook. Attaining the 15th rank in the All India Agricultural Universities Ranking for 2018 conducted by the Indian Council of Agricultural Research (ICAR), New Delhi speaks about the University's progress as well for which I would like to congratulate all teachers, students, policy planners and executors and the farmers for their sustained support. Also, support of the Government of Uttar Pradesh, Government of India, ICAR, and several other institutions is sincerely appreciated.

I hope, the report will give the glimpse of our activities. I congratulate all team members who have put in a lot of efforts in collecting, collating and editing the information and getting the report printed.

R.K. Mittal
Vice Chancellor

कार्यकारी सारांश

विश्वविद्यालय का मुख्य उदेश्य मानव संसाधन विकास, तकनीकी विकास एवं तकनीकियों को जन जन तक पहुँचाना है। इस उदेश्य को लेकर विश्वविद्यालय उत्तर भारत में विशेष रूप से उत्तर प्रदेश के पश्चिमी जिलों एवं उत्तराखंड में संपूर्ण रूप से मानव संसाधन विकास, प्रौद्योगिकी निर्माण और प्रौद्योगिकी प्रसार की आवश्यकता को पूरा कर रहा है। इस विश्वविद्यालय का शिलान्यास वर्ष 2000 में उत्तर प्रदेश के विभाजन एवं गोविंद वल्लभ पंत कृषि और प्रौद्योगिकी विश्वविद्यालय, पंतनगर के उत्तराखंड राज्य का हिस्सा बन जाने के फलस्वरूप हुआ। उत्तर प्रदेश के पश्चिमी भाग के लिए कृषि और ग्रामीण विकास के क्षेत्र में गुणवत्तापूर्ण शिक्षा, अनुसंधान और विस्तार के लिए आसपास कोई कृषि विश्वविद्यालय नहीं था अतः पश्चिमी उत्तर प्रदेश की आवश्यकता को पूरा करने के लिए "सरदार वल्लभभाई पटेल कृषि एंव प्रौद्योगिकी विश्वविद्यालय" की स्थापना दिनांक 27 सितंबर, 2000 को उत्तर प्रदेश सरकार द्वारा की गई थी फलस्वरुप विश्वविद्यालय 02 अक्टूबर, 2000 को प्रभाव में आया। विश्वविद्यालय तब से ही कृषि, पशुचिकित्सा विज्ञान, जैव प्रौद्योगिकी और संबद्ध विज्ञान के क्षेत्र में शिक्षा, अनुसंधान और अन्य गतिविधियों के माध्यम से उत्तर प्रदेश में ग्रामीण लोगों के समग्र विकास के लिए तत्पर है। विश्वविद्यालय के तीन घटक कॉलेज जैसे कॉलेज ऑफ एग्रीकल्चर, बायोटेक्नोलॉजी, वेटरनरी एंड एनिमल साइंस और पोस्ट ग्रेजुएट की पढ़ाई चल रही है और अन्य के भविष्य में कार्यात्मक होने की उम्मीद है। विश्वविद्यालय कृषि में अंडरग्रेजुएट, पोस्टग्रेजुएट और डॉक्टरेट तथा जैव प्रौद्योगिकी, पशुचिकित्सा और पशुविज्ञान के क्षेत्र में अंडरग्रेजुएट और पोस्टग्रेजुएट की डिग्री कार्यक्रम चला रहा है । इन कार्यक्रमों में प्रवेश राज्य स्तर की संयुक्त कृषि और प्रौद्योगिकी प्रवेश परीक्षा और भारतीय कृषि अनुसंधान परिषद द्वारा आयोजित अखिल भारतीय परीक्षा से दिया गया है। विदेशी जैसे अफगानिस्तान तथा बोत्सवाना के छात्रों को भी विभिन्न स्नातकोत्तर कार्यक्रमों में प्रवेश दिया गया। वर्ष 2018–19 में, यूजी स्तर पर 276 छात्र, पीजी स्तर पर 78 और पीएचडी स्तर पर 35 छात्रों को विभिन्न कॉलेजों में प्रवेश दिया गया। यूजी के छात्रों को तीन और कॉलेजों अर्थात कॉलेज ऑफ हॉर्टिकल्चर, कॉलेज ऑफ पोस्ट हार्वेस्ट टेक्नोलॉजी, कॉलेज ऑफ एग्रीकल्चरल इंजीनियरिंग एंड टेक्नोलॉजी में एडमिशन देने का भी फैसला किया गया जो कि वर्ष 2019–20 से प्रभावी होगा। विश्वविद्यालय का ग्यारहवां वार्षिक दीक्षांत समारोह 13.सितम्बर 2018 को उत्तरप्रदेश के माननीय राज्यपाल और विश्वविद्यालय के कुलाधिपति श्री रामनाईक जी की उपस्थिति में आयोजित किया गया। कुल 286 छात्रों को विभिन्न डिग्रियाँ प्रदान की गई जिसमें पुरुष और महिला छात्रों का अनुपात 87.4:12.6 था। डॉ० एन० सी० पटेल, कृषि विश्वविद्यालय, आनन्द, गुजरात के माननीय कुलपति समारोह के मुख्य अतिथि थे। विश्वविद्यालय ने इस अवधि में राष्ट्रीय युवा दिवस, रविदास जयंती, गणतंत्र दिवस, अंतरराष्ट्रीय महिला दिवस, डॉ० बाबा साहेब अंबेडकर की जयंती, पृथ्वी दिवस, विश्व पशु चिकित्सा दिवस जैसे विभिन्न समारोहों को आयोजित किया। इसके अतिरिक्त आतंकरोधी दिवस, विश्व पर्यावरण दिवस, अंतरराष्ट्रीय योग दिवस, स्वतंत्रता दिवस, सर्जिकल स्ट्राइक दिवस, स्वच्छ भारत अभियान, स्वच्छ्ता पखवारा, एकता दौड़, कौमी एकता दिवस, कृषि शिक्षा दिवस, विश्व मृदा दिवस, विश्व मानवाधिकार दिवस आदि का भी आयोजन किया गया। विश्वविद्यालय के क्रिया–कलापों को गति देने के लिए विद्वत परिषद और प्रबंध परिषद की बैठकों का आयोजन किया गया। इसके अतिरिक्त विश्वविद्यालय स्तर पर किसान मेला, रक्तदान शिविर, मतदान जागरूकता एवं राष्ट्रीय सेवा योजना द्वारा विभिन्न कार्यो को पूर्ण किया गया। विश्वविद्यालय और अनुसंधान केंद्रो पर विभिन्न अनुसंधान गतिविधियों का आयोजन किया गया। जिसमें गेहूं, जौ, जई, बरसीम, लोबिया, चावल, मटर, उड़द, मूंग, बीन आदि विभिन्न फसलों पर कुल 59 प्रयोग किए गये। वल्लभ बासमती–21, वल्लभ बासमती–22, वल्लभ बासमती–23, वल्लभ बासमती–24, चना (सौभाग्य, सूर्य, वल्लभ कलार चना–1, वल्लभ कबाली चना–1 और डब्ल्यूसीजी–10), वल्लभ उड़द न्यूक्लियस बीज तैयार किया गया। विभिन्न सब्जियों, केला और पपीते की फसल में विभिन्न सुधार एच०आर०सी० में किए गये। औषधिय और सुगंधित पौधे के उत्पादन के लिए मॉडल नर्सरी की स्थापना यूपी के पश्चिमी मैदानी क्षेत्रों के तहत की गई। पशुधन अनुसंधान केंद्र पर साहीवाल गायों और मुर्राह भैंसों का संरक्षण किया गया, जिनका उपयोग दूध उत्पादन और प्रायोगिक उद्देश्यों के लिए किया गया। इस अवधि के दौरान बीज प्रसंस्करण संयंत्र कार्यात्मक था और अरहर, धान, सरसों, मसूर, गेहूं आदि के बीज को संशोधित किया गया। मछली, मशरूम, बायो–एजेंट, मुर्गी, बकरी, भेड़, सूअर पर छात्रों के लिए प्रायोगिक कार्यक्रम भी आयोजित किए गये। जोनल रिसर्च स्टेशन नगीना ने नगीना वल्लभ बासमती–2, नगीना वल्लभ बासमती चावल–6 को सफलतापूर्वक विकसित किया और 681 चावल जर्मप्लाज्म बनाये। जोनल रिसर्च स्टेशन बुलंदशहर ने देसी, अमेरिकी कपास जर्मप्लाज्म और एस.आर.आई विधि द्वारा धान रोपाई पर प्रयोग किए। आंचलिक अनुसंधान केंद्र, उझानी ने बोरिक, जस्ता, मोलिब्डेनम का विशिष्ट प्रकार की मिट्टी में मसूर पर प्रभाव तथा सल्फर, बोरान का लोबिया पर प्रभाव के प्रयोग किये। विश्वविद्यालय में 04 आर०के०वी०वाई० परियोजनाएं, 07 आई०सी०ए०आर० परियोजनाएं, 06 सी०एस०टी० / डी०बी०टी० परियोजनाएं, 02 एन०एच०बी० / एन०आई०ए०एम० परियोजनाएं, 04 स्पाइस बोर्ड, सी०एस०आई०आर०, पृथ्वी विज्ञान मंत्रालय, एन०ओ०वी०ओ०डी० एवं निजी कंपनी द्वारा प्रायोजित 05 परियोजनाओं को चलाया गया। कुल 247 शोध पत्र, 63 पुस्तकें / पुस्तक अध्याय, 30 लोकप्रिय लेखों का प्रकाशन किया गया तथा 36 पत्रों को विभिन्न संगोष्ठियों / सम्मेलनों में प्रस्तुत किया गया।

विश्वविद्यालय के कार्यों को किसानों तक पहुँचाने का दायित्व विश्वविद्यालय प्रसार निदेशालय एवं कृषि विज्ञान केन्द्रों के माध्यम से बखूबी किया गया। प्रसार निदेशालय एवं कृषि विज्ञान केन्द्रों द्वारा कुल 1514 विभिन्न प्रकार के प्रशिक्षण कार्यक्रम एवं 3290 क्षेत्र प्रदर्शनों को आयोजित किया गया। कृषि विज्ञान केन्द्रों के माध्यम से प्रसार निदेशालय द्वारा विभिन्न जिलों में लगभग 513 प्रक्षेत्र प्रशिक्षण भी कराये गये। विश्वविद्यालय मुख्यालय पर अखिल भारतीय किसान मेला आयोजित किया गया एवम् विश्वविद्यालय स्तर पर कृषि विज्ञान केन्द्र की दो दिवसीय आंचलिक कार्यशाला भी आयोजित की गई। विश्वविद्यालय ने मानव संसाधनों का निरंतर उन्नयन और भर्ती की है। वार्षिक वर्ष के दौरान पशुचिकित्सा और पशुविज्ञान महाविद्यालय में 38 संकाय सदस्य, जैव प्रौद्योगिकी में 05 और कृषि महाविद्यालय में 06 भर्ती किये गये। नियमित आधार पर संकाय सदस्यों में कौशल विकास और ज्ञान के उन्नयन के लिए राष्ट्रीय संस्थानों और राज्य कृषि विश्वविद्यालयों में प्रशिक्षण पाठ्यक्रमो में उन्हें भेजा गया।

विश्वविद्यालय को 2018–19 में सभी स्रोतों से 9263.66 लाख की धनराशि प्राप्त हुई। जिसमें उत्तर प्रदेश राज्य सरकार ने 6457.55 लाख और भारतीय कृषि अनुसंधान परिषद ने रु 2806.11 लाख का योगदान दिया जिसमें डी०एस०टी०, डी०बी०टी०, आई०सी०एम०आर०, आर०के०वी०वाई० परियोजना राशि सम्मिलत थीं।

Executive Summary

This University virtually catered the need for human resource development, technology generation and technology dissemination for western Uttar Pradesh. With bifurcation of U.P. in the year 2000, G.B. Pant University, Pantnagar became a part of Uttara khand state. This created a vacuum for centre of quality education, research and extension in the field of Agriculture and rural development for western part of Uttar Pradesh. To cater the need of western UP "The Sardar Vallabhbhai Patel University of Agriculture and Technology" was established on 27 September, 2000 by the Government of Uttar Pradesh and came into existence on October 02, 2000 for augmenting the opportunities for education, research and outreach activities in the field of Agriculture, Veterinary Sciences, Biotechnology and allied sciences and overall development of the rural people of Uttar Pradesh. Three constituent colleges' i.e Agriculture, Biotechnology, Veterinary and Animal Science and a faculty of Post Graduate studies are functional in the University.

University is running the Under Graduate, Post Graduate and Doctorate degree programmes in the field of Agriculture while under graduate and post graduate programmes in Biotechnology, Veterinary and Animal Sciences. The admission in these programmes is through state level Combined Agriculture and Technology Entrance Test (CATET) and All India Examination (AIEE-UG & PG) conducted by Indian Council of Agricultural Research (ICAR) for admission to SAU's of the country. Students from foreign countries like Afghanistan, Botswana were also admitted in different post graduate programmes. During the year 2018-19, 276 students at UG level, 78 at PG level and 35 students at Ph.D level were admitted in various colleges. A decision was also made to admit UG students in three more constituent colleges' i.e. Horticulture, Post-Harvest Technology, Agricultural Engineering and Technology w.e.f 2019-20 Session. The eleventh annual convocation of the university was held on 13.09.2018 in the gracious presence of Hon'ble Governor of Uttar Pradesh and Chancellor of the University Shri Ram Naik Ji. Total 286 students were awarded UG, PG and Ph.D degrees in which male and female students' ratio was 87.4:12.6. Dr N.C. Patel, Hon'ble Vice-Chancellor of Agriculture University, Anand, Gujarat was the Chief Guest of the function.

The university celebrated various functions like National Youth day on 15th January, Ravi Das Jayanti on 31st January, Republic day on 26th January, International Women day on 8th March, Dr Babasaheb Ambedkar birth anniversary on 14th April, Earth day on 22nd April, World Veterinary day on 27th April, Anti terrorism day on 21st May, World Environment day on 5th June, International Yoga day on 21st June, Independence day on 15th August, Surgical strike day on 29th September, Swachhta Abhiyan on 2nd October, Swachhta Pakhwara from 16-31, October, Run for unity on 31st October, Kaumi Ekta Diwas on 25th November, Agriculture Education day on 3rd December, World Soil day on 5th December, World Human Rights day on 10th December etc. University also organized various extra curriculum activities i.e. National Service Scheme (NSS), Kisan mela, Blood donation camp, winter help programme, Voting awareness, Academic Council Meetings and Board of Management Meetings and faculty superannuation programme.

The university carried out various research activities at university head quarter and on various research centres. Total 59 experiments were planted on various crops i.e wheat, barley, chickpea, oat, barseem, cowpea, rice, pigeon pea, urd, moong, bean, sorghum. Nucleous seed of rice (Vallabh Basmati 21, Vallabh Basmati 22, Vallabh Basmati 23, Vallabh Basmati 24), Chickpea (Sadbhavna, Surya, Vallabh Kallar Chana-1, Vallabh Kabuli Chana-1 and WCG-10), Vallabh Urd-1 was maintained. Varietal improvement of different vegetables, banana and papaya crop were successfully conducted at HRC. Model nursery for production of medicinal and aromatic plant was established under western plain zones of UP. Livestock research centre has successfully maintained Sahiwal cows and Murrah Buffaloes which were used for milk production and experimental purposes. Seed processing plant was functional during this period and processed as well as treated the seeds of Arhar, Paddy, Mustard, Lentil, Wheat etc. Experimental programmes were also conducted for students on fisheries, mushroom, bioagents, poultry, goat, sheep, pigs. Zonal Research Station Nagina successfully developed Nagina Vallabh Basmati-2, Nagina Vallabh Basmati Rice-6 and maintained 681 rice germplasms. Zonal Research Station Bulandshar conducted experiments on Desi, American cotton germplasm and SRI method of paddy transplanting. Zonal Research Station, Ujhani conducted experiments on effect of boron, zinc, molybdenum on lentil in Typic Ustipsamments soil and sulphur, boron on couped or chickpea in course textured soils. University is also running 04 RKVY projects, 07 ICAR projects, 06 CST/DBT projects, 02 NHB/NIAM projects, 04 Spice board, CSIR, Ministry of Earth Science, 05 projects sponsored by private company. In total 247 research papers, 63 books/book chapters, 30 popular articles, 36 papers presented in the various seminars/conferences/ symposiums. The extension activities like transfer of technologies and farmers training is a mandate of university. So, Directorate of Extension and KVKs conducted variety of training programmes in total of 1514 and 3290 of field demonstrations. Directorate of Extension and through KVKs laidout nearly 513 on-farm trails in different districts and Kisan Mela at university headquarter. A two days zonal workshop of KVKs was also conducted at the university level.

The university has continuously upgrading and recruiting the human resources. During the annual year 38 faculty members in College of Veterinary and Animal Sciences, 05 in College of Biotechnology and 06 in College of Agriculture on routine basis faculty members were allowed to participate were recruited in refresher courses and training courses in National Institutes and State Agriculture Universities for skill development and upgradation of knowledge. The budgetary support to the university during this annual year was 9263.66 lakhs from all sources. Uttar Pradesh State Government shared 6457.55 lakhs and Indian Council of Agricultural Research contributed sum of Rs. 2806.11 lakhs including DBT, DST, ICMR, RKVY, ICAR and UPCST project amount.

University At A Glance

Sardar Vallabhbhai Patel University of Agriculture and Technology was established on 2nd October, 2000 under Uttar Pradesh Agriculture University Act (revised, 1958) and has the honour of being "First Agriculture University of the 21st Century". It was inaugurated on 28th March, 2002. It is included in the list of recognised universities maintained by the University Grant Commission (UGC) of India and is ICAR accredited. It is committed to a unique mandate of integrating education, research and extension to serve the rural community.

The university has the mandate for imparting education in agriculture and other allied sciences, furthering the advancement of learning and prosecution of research and undertaking extension of such sciences, especially to the rural people of Western Uttar Pradesh. Over the years, this University has contributed significantly in transforming the farm scenario in its area jurisdiction of four revenue divisions of Uttar Pradesh i.e. Meerut, Saharanpur, Moradabad and Bareilly. These divisions have 18 districts namely Baghpat, Bijnore, Badaun, Bulandshahr, Bareilly, Gautam Budha Nagar, Ghaziabad, Hapur, Amroha, Meerut, Moradabad, Muzaffarnagar, Shamli, Pilibhit, Rampur, Saharanpur, Sambhal and Shahjahnpur.

The University has grown into a campus with three colleges i.e Agriculture, Biotechnology, Veterinary and Animal Sciences providing Undergraduate, Postgraduate and Doctorate degrees in various subjects. The university has five Zonal Research Centres at Bulandshahr, Ujhani, Badaun and Nagina, Bijnore, and ten research centres/units and one Veterinary Clinical Complex at University headquarters. The extension activities are carried out through a network of 20 Krishi Vigyan Kendras located in 17 districts and one Krishi Gyan Kendra in Bareilly.

University is ranked 15th in the All India Agricultural Universities Ranking for 2018 conducted by the Indian Council of Agricultural Research (ICAR), New Delhi and holds highest rank among the agricultural universities of Uttar Pradesh.

Vision

A sound, viable, vibrant and sustainable rural development.

Mission

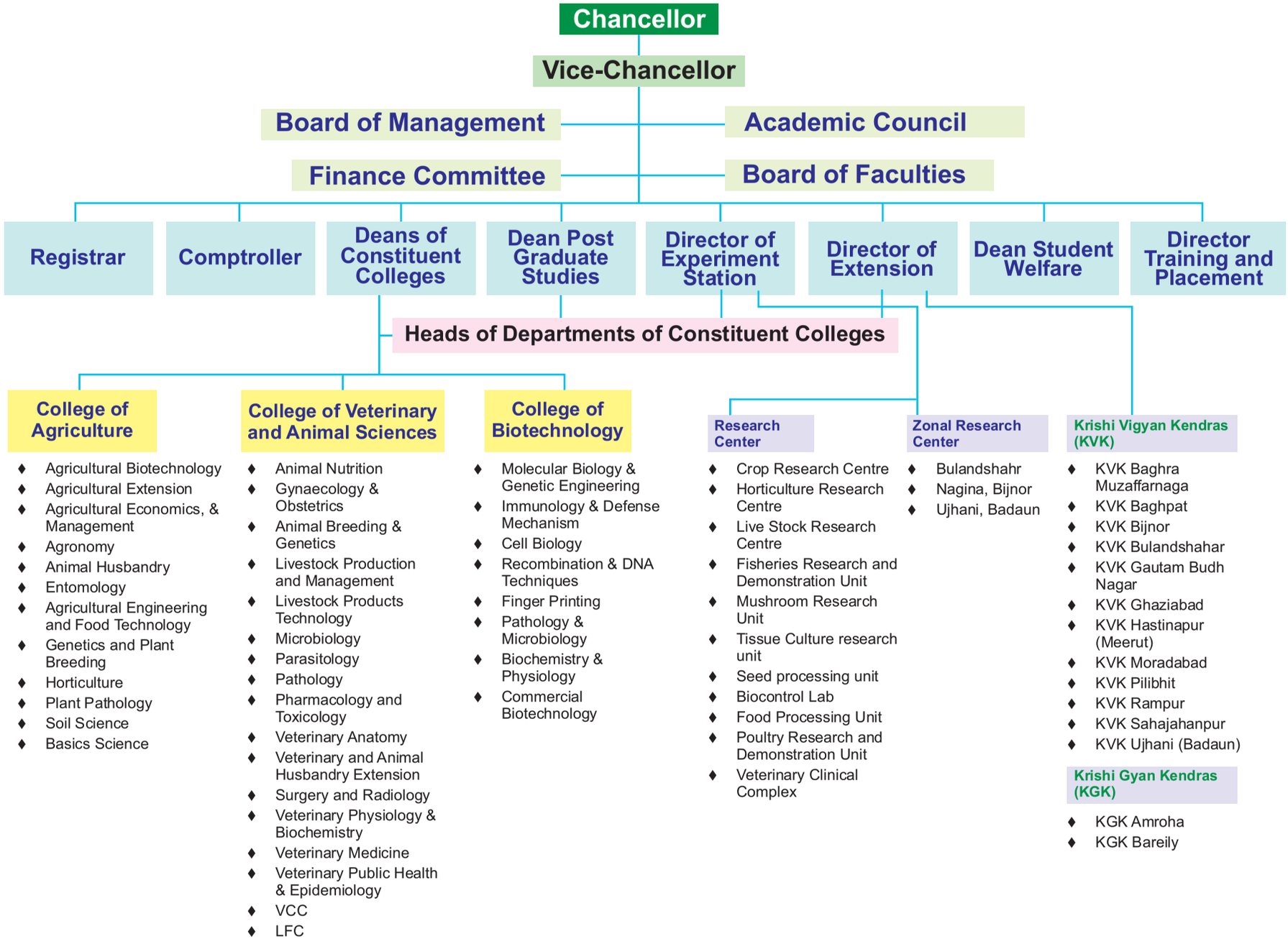
Enhancement of rural income, living and employment through excellence in education, research and extension activities in agricultural and allied sciences

Mandate

Making provision for the education of the rural people of Uttar Pradesh in different branches in study, particularly agriculture, rural industry and business, and other allied subjects. Furthering the prosecution of research, particularly in agriculture and other allied sciences and undertaking field and extension programmes.

Objectives

1. To impart quality education, learning through research and create excellence in human resources in the agriculture and allied sciences for socio-economic transformation of the rural society.
2. To build a strong academic foundation in the region.
3. To undertake location specific, need-based research by adapting modern technology.
4. To generate cutting edge technologies for improvement of agriculture sector.
5. To transmit the knowledge gained and technology generated through research to the stakeholders-the farmers, youth, industries etc through extension education.
6. To encourage partnership and linkages with national, international institutions and private sector.
7. To promote participation of women in Agriculture and develop a separate economic identity for them.
8. To make Indian Agriculture globally competitive.


Chancellor
Vice-Chancellor
Board of Management
Academic Council
Finance Committee
Board of Faculties
Registrar
Comptroller
Deans of Constituent Colleges
Dean Post Graduate Studies
Director of Experiment Station
Director of Extension
Dean Student Welfare
Director Training and Placement
Heads of Departments of Constituent Colleges
College of Agriculture
Agricultural Biotechnology
Agricultural Extension
Agricultural Economics, & Management
Agronomy
Animal Husbandry
Entomology
Agricultural Engineering and Food Technology
Genetics and Plant Breeding
Horticulture
Plant Pathology
Soil Science
Basics Science
College of Veterinary and Animal Sciences
Animal Nutrition
Gynaecology & Obstetrics
Animal Breeding & Genetics
Livestock Production and Management
Livestock Products Technology
Microbiology
Parasitology
Pathology
Pharmacology and Toxicology
Veterinary Anatomy
Veterinary and Animal Husbandry Extension
Surgery and Radiology
Veterinary Physiology & Biochemistry
Veterinary Medicine
Veterinary Public Health & Epidemiology
VCC
LFC
College of Biotechnology
Molecular Biology & Genetic Engineering
Immunology & Defense Mechanism
Cell Biology
Recombination & DNA Techniques
Finger Printing
Pathology & Microbiology
Biochemistry & Physiology
Commercial Biotechnology
Research Center
Crop Research Centre
Horticulture Research Centre
Live Stock Research Centre
Fisheries Research and Demonstration Unit
Mushroom Research Unit
Tissue Culture research unit
Seed processing unit
Biocontrol Lab
Food Processing Unit
Poultry Research and Demonstration Unit
Veterinary Clinical Complex
Zonal Research Center
Bulandshahr
Nagina, Bijnor
Ujhani, Badaun
Krishi Vigyan Kendras (KVK)
KVK Baghra Muzaffarnaga
KVK Baghpat
KVK Bijnor
KVK Bulandshahar
KVK Gautam Budh Nagar
KVK Ghaziabad
KVK Hastinapur (Meerut)
KVK Moradabad
KVK Pilibhit
KVK Rampur
KVK Sahajahanpur
KVK Ujhani (Badaun)
Krishi Gyan Kendras (KGK)
KGK Amroha
KGK Bareily

Board of Management

As per re-enactment and amendment act 1974, the university has a Board of Management (BOM) which considers and decides matters of general policies relating to the development and upliftment of the University. The Vice-Chancellor is its ex-officio Chairman. The other ex-officio members are Principal Secretaries of the state government to the departments of Agriculture, Finance, Higher Education and Director of Agriculture and Animal Husbandry of Uttar Pradesh. There is one member representing the legislative assembly and five members representing (one each) agricultural scientists, progressive farmers, live-stock breeders, distinguished industrialists and outstanding women social workers nominated by state government. Besides, one nominee of the ICAR and one representative of the registered graduate of the university are also included. The list of Hon'ble members of the Board of Management is given in Annexure-I. During the period of report Four meetings of BOM were held on 10.09.2018, 29.11.2018, 07.01.2019 & 28.02.2019 under the chairmanship of Prof. Gaya Prasad, Hon'ble Vice Chancellor put up different matters before the members to take decisions in the welfare of University and Staff.

Hon'ble Vice-Chancellor Chairing the Meeting of Board of Management

Hon'ble Vice-chancellor chairing the meeting of Academic Council

Academic council

University Academic Council is the top most body of the university after Board of Management. It comprises all the officers of the university, HOD of all the departments of each of the faculty; two seniors most Associate Professors, two seniors most Assistant Professors and one elected faculty secretary from each of the faculty. Besides making recommendations to the Board of Management, the Academic Council also took various important decisions for the maintenance of high standard of activities related to faculty and students in the University by controlling and regulating the quality of teaching, education and recruitment rules for faculty and staff in the University. The council chair meets regularly with the members to discuss different issues related to students, staff and faculty of the university. The list of members of the Academic Council is given in Annexure-II. Two meetings of academic council of SVPUA&T were held during the period of report. First was on 4.09.2018 and second meeting was held on 29.05.2019 under the chairmanship of Prof. Gaya Prasad, Hon'ble Vice Chancellor.

Education

The educational programme in the "Sardar Vallabhbhai Patel University of Agriculture and Technology" covers higher education in the field of Agriculture, Biotechnology, Veterinary and Animal Sciences, in which Under Graduate (UG), Post Graduate (PG) and Ph.D. programmes are running in different colleges (Table 1).

Admissions Process

According to the provision under Statutes of the University Act, the admission in all courses of study of the four State Agricultural Universities of Uttar Pradesh state is through the joint Entrance Examination. This joint examination is called as 'Combined Agriculture and Technology Entrance Test (CATET)' at State level. The number of seats in difforunt degree programme are mentioned in Table 2.

During the period under report, 278 students at UG level, 77 students at PG level and 35 students at Ph.D. level were admitted in various courses at three constituent colleges of the University viz. College of Agriculture, College of Biotechnology and College of Veterinary and Animal Sciences. Total 187 students at UG level, 66 students at PG level and 33 students at Ph.D. level have successfully completed their respective courses during the period under report (Table 3). A decision was also taken to start UG programme at three newly established colleges i.e. College of Horticulture, College of Post-Harvest Technology and Food processing and College of Technology from the academic year 2019-20.

Table 1. List of Academic Programmes

S.N.	Name of constituent College/ Faculty	Bachelor's Programme	Duration	Master's Programme	Duration	Ph.D. Programme	Duration
1	College of Agriculture	B.Sc. (Hons.) Agriculture	4 years	Agri. Biotechnology	2 Years	Agri. Biotechnology	Minimum 3 years
				Agri. Economics	2 Years	Agri. Economics	
				Agri. Extension & Comm.	2 Years	Agri. Extension & Comm.	Minimum 3 years
				Agronomy	2 Years	Agronomy	
				Animal Husbandry	2 Years	Animal Husbandry	Minimum 3 years
				Entomology	2 Years	Entomology	
				Genetics & Plant Breeding	2 Years	Genetics & Plant Breeding	Minimum 3 years
				Horticulture	2 Years	Horticulture	
				Plant Pathology	2 Years	Plant Pathology	Minimum 3 years
				Soil Science & Agri. Chem.	2 Years	Soil Science & Agri. Chem.	Minimum 3 years
				Agril. Egg. (Process and Food Engg.)	2 Years	Agril. Egg. (Process and Food Engg.)	Minimum 3 years
2	College of Biotechnology	B. Tech Biotechnology	4 years	M. Tech Biotechnology		-	-
3	College of Veterinary & Animal Sciences	B.V. Sc. & AH	5 years	M.V. Sc.	2 Years	-	-

Table 2. Number of seats in different degree Programmes
Under Graduate (UG) Programmes

S.N.	Programmes	Free	Paid	NRI	ICAR	Total
1	B.Sc. (Hons.) Agriculture	72	30	15	18	135
2	B.Tech. (Biotechnology)	90	30	15	-	135
3	B.V. Sc. & A.H.	48	20	12	-	80
Master's Programmes						
1	Agricultural Biotechnology	05	01	02	02	10
2	Agricultural Economics	02	-	01	01	04
3	Agricultural Extension and Comm.	03	01	02	02	08
4	Agronomy	06	01	02	03	12
5	Animal Husbandry	03	01	02	02	08
6	Entomology	05	01	02	02	10
7	Genetics & Plant Breeding	02	-	01	01	04
8	Horticulture	06	01	02	02	11
9	Plant Pathology	05	01	02	02	10
10	Soil Science & Agril. Chemistry	05	01	02	02	10
11	M.Tech. Agril. Engineering (Process and Food Eng.)	08	02	02	-	12
12	M.Tech./ M.Sc. Biotechnology	18	04	02	-	24
13	Animal Genetics and Breeding	02	01	-	-	03
14	Veterinary Biochemistry	02	01	-	-	03
15	Veterinary Microbiology	02	01	-	-	03
16	Veterinary Pathology	02	01	-	-	03
17	Veterinary Physiology	02	01	-	-	03
18	Livestock Production and Management	02	01	-	-	03
19	Veterinary Parasitology	02	01	-	-	03
Ph.D. Programmes						
1	Agricultural Biotechnology	05	01	02	02	10
2	Agricultural Extension and Comm.	03	01	02	01	07
3	Agri. Engg. (Process & Food Engg.)	06	02	02	-	10
4	Agronomy	04	01	02	02	09
5	Animal Husbandry	03	01	02	01	07
6	Entomology	04	01	02	02	09
7	Genetics & Plant Breeding	02	-	01	01	04
8	Horticulture	04	01	02	02	09
9	Plant Pathology	03	01	02	02	07
10	Soil Science & Agril. Chemistry	04	01	02	02	09

Table 3. Student status in University/ Constituent College/ Faculty

S.N.	Name of College	Parameters	Numbers				
			Bachelor's	Master's	Ph.D.	Others including Diploma	Total
1.	COA	Intake (1st Yr)	135	99	83	-	317
		Enrolled (1st Yr)	124	59	35	-	218
		Passed Out	120	62	33	-	215
2.	COB	Intake (1st Yr)	135	24	-	-	159
		Enrolled (1st Yr)	74	17	-	-	91
		Passed Out	67	04	-	-	71
3.	COVAS	Intake (1st Yr)	80	21	-	-	101
		Enrolled (1st Yr)	80	01	-	-	81
		Passed Out	-	-	-	-	-

College of Agriculture

The College of Agriculture was established in year 2000 as the first constituent college of Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut within the existing infrastructure and manpower of western campus of Govind Ballabh Pant University of Agriculture and Technology, Pantnagar consequent upon the division of the Uttar Pradesh. Initially, the college was started with admission of 23 students in undergraduate degree programme in the first batch of 2001-02. Since then the college has been progressively gaining new dimensions in all the spheres by building, faculty, supporting staff, class rooms, laboratories etc. The Post Graduate and Ph.D programmes in different departments of the college were started in 2003-04. The college occupied its new building at the main campus of University in 2004. Presently, college is offering the undergraduate degree of B.Sc. (Ag), Master degree of M.Sc. (Ag)/ M. Tech and Doctoral degree in all the departments of agriculture. The college is having the defined objective of imparting quality education to acquire education and knowledge in the field of agricultural sciences.

The College of Agriculture is well established college with 17 well maintained UG/PG classrooms with white/green boards and comfortable seating arrangement. The major class rooms are interactive having facilities of Audio Visual teaching and presentation and DVD'S like LCD projection system. Each department has separate class room UG and PG Lab, Conference room five class rooms are reserve for various demonstration, presentation, seminar and other development activities. Centralized computer lab facility with 30 computers, connected with high speed internet are in the college. Computer lab has been established with collaborative arrangements for free training and award of certificate by IBM. The College of Agriculture has an examination cell with all required facilities for conducting semester final examination of the college.

The Phyto-sanitary certification laboratory, Nematology laboratory, Soil testing laboratory, White grub laboratory, Sericulture laboratory, Molecular Biology laboratory and Food processing laboratory etc. are some important laboratories of the college. Organization of education, cultural and literary events is a key activity in education institutions. Looking into the needs, the college of agriculture has a well-equipped mini auditorium with seatting capacity of 200 persons. Newer infrastructure developed during the period is Practical Crop Production (PCP), Rural Agriculture Work Experience (RAWE) and Experiential Learning in the undergraduate program in College of Agriculture. Board of Faculty of Agriculture (BOFA) is the statutory body to take decision on any academic issue related with college of agriculture, after a thorough discussion among its members.

College of Biotechnology

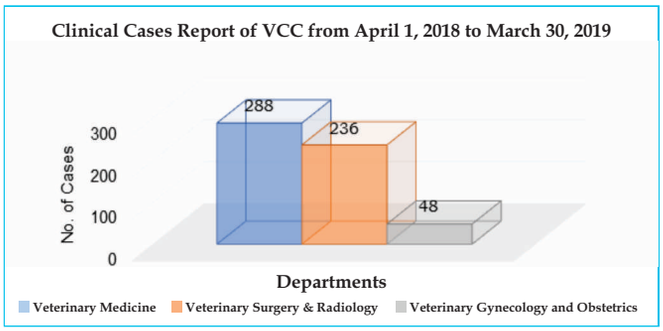
The College of Biotechnology was started during 2004 and formally inaugurated on April 25, 2005 in the premises of Sardar Vallabhbhai Patel University of Agriculture and Technology with admission of 64 students for undergraduate program in Biotechnology (B. Tech., Biotech). The establishment of College of Biotechnology nearly 13 years ago is first of its kind in the country and reflects a global outlook with the vision to set a revolutionary pace with the advancement of technology in the area of this frontier science of Biotechnology. The basic goal of the collage is to produce highly skilled and qualified Graduates and Postgraduates in the niche area of Biotechnology. Researches on various biotechnological approaches like Recombinant DNA Technology, Cell Biology, Molecular Biology, Biochemistry, Microbiology and Bio fertilizer, Tissue culture, Aerobic Rice, Bio informatics etc. are in process in order to train the students and to help in the outreach of technology to farmers. The undergraduate course curriculum is running as per recommendations of V Dean's Committee of Indian Council of Agricultural Research.

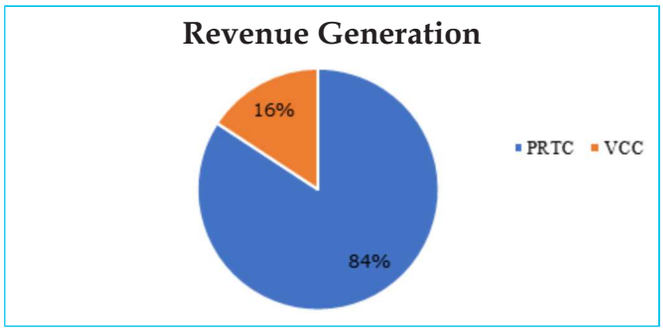
The college has 17 class rooms with ultra modern facilties like audio-visual, DVD's like LCD projection system for teaching. All the departments of the college of biotechnology have been made equipped with undergraduate and post graduate laboratories for teaching as well as research. College is also utilizing bio informatics tools for retrieval of biological information for that a bio informatic centre is established under DBT scheme. College of Biotechnology has got one Centre of Excellence in Agri biotechnology with a complete funding from U. P. Council of Science and Technology. Mandate of this centre is to impart high level training in molecular biology and genetic engineering for combating biotic and abiotic stresses in different crops. Bio fertilizer laboratory and Bio fertilizer Production Units are also functional in the college. Examination cell of the college is responsible for conducting examinations. College is having Mini Auditorium with seatting capacity of 250 persons. Board of Faculty of Biotechnology is a statutory body to take decision on any academic issue related with college of biotechnology, after a thorough discussion among its members.

College of Veterinary & Animal Sciences

The College of Veterinary and Animal Sciences (COVAS) was established as a constituent unit of the University in 2008, to scale up rural economy by ensuring proper animal health care and management through competent human resource generation. The Veterinary Council of India (VCI) permitted the admission of first batch of B.V.Sc. & A.H. degree progarmme in academic session 2011. As per MSVE-2016 there are 17 constituents' departments viz. Veterinary Anatomy, Veterinary Physiology & Biochemistry, Livestock Production Management, Veterinary Microbiology, Veterinary Pathology, Animal Genetics & Breeding, Animal Nutrition, Veterinary Pharmacology and Toxicology, Veterinary Public Health and Epidemiology, Veterinary Parasitology, Livestock Products Technology, Veterinary and Animal Husbandry Extension Education, Veterinary Surgery and Radiology, Veterinary Medicine, Veterinary Gynaecology & Obstetrics, Veterinary Clinical Complex and Livestock Farm Complex. The Board of Faculty of College of Veterinary & Animal Sciences is a statutory body to take decision on any academic issue related after a thorough discussion among its members.

The College of Veterinary & Animal Sciences is having a sound physical infrastructure. The undergraduate teaching is performed in modernized smart class rooms. Besides, each department also has a postgraduate teaching cum seminar hall equipped with board, comfortable seating arrangement and LCD projector system for interactive teaching. The college is having a centralized computer lab with five computers, all connected with high speed internet. Veterinary Clinical Complex is functional since 2015 and catering the needs of clinical teaching, diagnosis, treatment of animals and veterinary extension through its different units. The building is equipped with latest instruments and technologies. It is a coordinating unit between clinical, para-clinical and supporting departments for teaching, providing material for research, platform for treatment of seriously sick animals and instant diagnostic facilities. The VCC department comprises of various sub units like-Treatment Section, Small Animal Examination Room, Dispensing Section, Computerized Registration Counter, Central Diagnostic Laboratory, Teaching Diagnostic Laboratory, Farmer's Rest Rooms, Indoor Wards, and two additional sections viz., Radiology and Gynaecology which provides specialized diagnostic, surgical and obstetrical services for small and large animals. Livestock Farm Complex (LFC), established under the recent guidelines of Veterinary Council of India, has the mandate to train B.V. Sc. & A.H students in the day to day operations of the livestock farm besides closely collaborating with other departments in the teaching of Livestock Production Management, Animal Nutrition, Animal Genetics and Breeding and other animal science courses. The department of Livestock Farm Complex is functional from the year 2011. The Livestock Farm Complex (LFC) is comprises of Cow Unit, Buffalo Unit, Heifer Unit, Poultry Unit, Piggery Unit, Fodder production unit, Feed formulation Unit and Milking Unit. The poultry research and training centre (PRTC) is also functional since 2014.





Revenue generation after deducting inputs

S.N.	Units	Rs (Lakhs)
1	Poultry Research &Training Centre (PRTC)	3.5
2	Veterinary Clincial Complex (VCC)	0.065521

Faculty of Post Graduate Studies

The mission of the faculty Postgraduate Studies is to promote excellence amongst postgraduate staff and students through responsive teaching, Postgraduate Studies research and supervision, scholarship and instructional pastoral support. The main objective of the Centre for Postgraduate Studies is to become a CPGS Centre of repute that effectively enables UNAM to fulfil its national Postgraduate education and training mandate. The Centre for Postgraduate Studies has the mandate to coordinate the *University of Namibia's* Postgraduate Programmes in a manner that uniform quality control regulations and procedures are strictly adhered to and high academic standards are maintained. In addition to providing postgraduate students with high quality academic, ICT, psychosocial and social-emotional support services. The Centre is mandated to build capacity for the expression of excellence in teaching, student research supervision and innovation amongst postgraduate staff.

The roles and responsibilities of the Centre for Postgraduate Studies are to:

- Coordinate and monitor the running of University of Namibia postgraduate programmes; including externally supported postgraduate training programmes to ensure quality control and the maintenance of high academic standards.
- Coordinate the consideration and processing of postgraduate student research proposals, theses and dissertations.
- Coordinate and administer viva voce examinations.
- Review all postgraduate programmes offered either by the University of Namibia or through the University of Namibia.
- Provide academic support services to postgraduate students such as those of study programme information dissemination, supervision, academic counselling and pastoral care, enrolment, registration, examination, compensatory capacity enhancement, postgraduate level ICT empowerment and access to electronic resources for study purposes, postgraduate study resource mobilisation and any other services germane to the optimal provision of postgraduate studies.
- Provide postgraduate students with opportunities to interact and determine their own welfare through the envisaged postgraduate student's association and the postgraduate student's newsletter.
- Enforce common regulations on CPGS programme structures, admissions, enrolment, registration, assessment, CPGS progression rules and termination of registration rules.
- Operate administrative and academic structures for applying research ethics in postgraduate training and in the use of human and animal subjects in research conducted by postgraduate students.
- Empower academic staff, through short courses, workshops and seminars, to teach at the postgraduate level, conduct effective student supervision and lead viable collaborative staff/student research teams.
- Consider and assess the viability, quality and accreditation issues of new postgraduate programmes; Initiate, formulate, interpret, and review postgraduate studies regulations.

Our mission is to produce graduates who will be mentally resourceful, intellectually equipped, entrepreneurially self-dependent, futuristically visionary and responsibility sensitive. The Postgraduate Programmes of Covenant University are designed to develop the intellectual capacity of the students in their chosen fields of study and areas of specialization through rigorous and in-depth learning of theoretical knowledge, provide solutions to societal problems and make developmental impacts on their communities. Covenant University's serene and green environment, state-of-the-art facilities, virtual library and crop of distinguished faculty provide the necessary incentive for effective learning and research. Being a research-based institution, our Science laboratories and Engineering workshops rank amongst the best in the world. The University has a number of linkages with institutions and industry both at home and abroad that offer opportunities for internship and exchange to faculty and students. Our faculty and students have continued to win grants and Fellowships, including Fulbright and TWAS Fellowships, to carry out postgraduate and postdoctoral research work in specialized laboratories overseas. Masters and Doctorate thesis for the session 2018-19 is shown in Table 4.

Table 4. Master's and Doctoral Students' thesis completed during 2018-19 session

S. No.	Name of the Student	Id. No.	Thesis Title	Advisor Name

Master's Degree

Agriculture Biotechnology				
1.	Ankur Chauhan	3912	Evaluating the role of Grass in most roids in shoot multiplication in Sugarcane (*Sacchavum officinavum .L*) under in vitro conditions.	*Dr. R.S. Sengar*
2.	Ravi Kumar	3914	Molecular Marker Based Screening of Tomato *(Solanum lycopersicumL)*. Germplasm for Biotic and Abiotic Stress Tolerant Gene.	*Dr. Vaishali*
3.	Amit Kumar	3636	Optimization of *Agrobacterium tumifaciens* medicted geve transer method in tombato selanum by copershcum	*Dr. Mukesh Kumar*
4.	Nand Lal Rai	3913	Effect of sodium azide to develop drought tolerant lines in wheat (*Triticum aestivum*) evaluation using SSR marker.	*Dr. Mukesh Kumar*
Agriculture Extension				
5.	Gargi Paliwal	3919	A Study on Utilization Pattern and Constraints of Information and Communication Technology Among the Students	*Dr. D.K. Singh*
6.	Guguloth Govind	3923	Training Needs of Potato Growers with Reference to Improved Cultivation Practices in Meerut District of Uttar Pradesh	*Dr. D.K. Singh*
7.	Anuj Pratap Singh	3916	Study on Technological Gap in Adoption of Improved Cultivation Practices Among Onion Growers in Meerut District of Uttar Pradesh	*Dr. V.K. Singh*
8.	Edwin Maitato	3998	A Study on the use of E-resources by Students in Sardar Vallabhbhai Patel University of Agriculture & Technology	*Dr. V.K. Singh*
9.	Shankar Dayal Bharti	3918	Study on Adoption of Improved Guava Cultivation Practices Among Orchardists of Muzaffarnagar District	*Dr. R.N. Yadav*
10.	Abdul Mateen Noori	3921	A Study on Awareness and Opinion of Graduate Students Towards Online Banking.	*Dr. Dan Singh*
Agriculture Economics				
11.	Padigapati Venkata Naga Sindhuja	3995	Study on Production and Marketing of Papaya in Kadapa District of Andhra Pradesh	*Dr. H.L. Singh*
12.	Aobakwe Gababolokwe	3997	Study on Region Growth Analysis of Sugarcane Production in Uttar Pradesh	*Dr. H.L. Singh*

Agronomy				
13.	Roop Kishor Pachauri	3648	Studies on the Comparative Production Potential of Foarge Based Cropping Sequences and their Economic Feasibility in Western Plain Zone of Uttar Pradesh	*Dr. Mohan Lal*
14.	Gaurav Verma	2180	Effect of Weed Mangement Practices on Weed Dynamics, Yield and Economics of Barley *(Hordeum vulgare L.)*	*Dr. Vivek*
15.	Ashish Kumar Pandey	3650	Response of Summer Mungbean (*Vigna radiate L.* Wilczek) to Phosphorus and Sulphur Nutrition	*Dr. Vivek*
16.	Mohd. Anees	3655	Effect of Integrated Nutrient Management on Growth, Yield and Quality of Moongbean *(Vigna radiate L.)*	*Dr. P.K. Singh*
17.	Richa Tiwari	33924	Effect of Weed Management on Performance of Chickpea *(Cicer arietinum L.)* and Associated Weeds	*Dr. Vivek*
18.	Sandeep Gawadiya	3932	Precision Nutrient Management in Conservation Agriculture Based Wheat Production, Nutrient Use Efficiency, Soil Health and Profitability Western Uttar Pradesh	*Dr. Mukesh Kumar*
Entomology				
19.	Amit Rana	3661	Eco Friendly Management of Yellow Stem borer, *Scirpoplishs incertulas* (Walker) on Basmati Rice-1 in Western Plain Zone of Uttar Pradesh	*Dr. Rajendra Singh*
20.	Munaswamyreddygari Sreedhar	3939	Studies on Varietal Preferences, Physico-chemical Pod Characters of Groundnut Against Bruchi, *Caryedon serratus* (Olivier) and its Management.	*Dr. D.V. Singh*
21.	Megha G.	3938	Biology and Evaluation of Botanicals and Plant Extracts Oil Against Maize Weevil, *Sitophilus zeamais* (Motschulsky)	*Dr. Gaje Singh*
22.	Ashish Umrao	3933	Efficacy of Some Bio-pesticides and Newer Insecticides for the Management of Gram Pod Borer (*Helicoverpaarmigera hubner*) in Chick Pea (*Cicer arietinum Linn.*)	*Dr. Hem Singh*
23.	Sushant Kumar	3935	Bio-efficacy of Newer Insecticides and Bio Pesticides for Management of Brown Plant Hopper, Nilaparva talugens Stal. of Basmati Rice.	*Dr. Hem Singh*
Genetics & Plant Breeding				
24.	Ankit	2196	Genetics Divergence and Direct and Indirect Selection Parameters in Linseed (*Linum usitatissimum L.*)	*Dr. S.K. Kerkhi*
25.	Abhimanyu	3667	Analysis of Genetic Diversity through D2-Analysis in Rice (*Oryza sativa L.*)	*Dr. Pooran Chand*
26.	Vipin Kumar Singh	3668	Heritability, Correlation and Genetic Divergence Analysis in Linseed (*Linum usitatissimum L.*)	*Dr. S.A. Kerkhi*
27.	Vishnu Patel	2174	D2 Analysis and Direct and Indirect Selection Parameters for Quantitative Characters in Green Gram (*Vigna radiate L.Wilczek*)	*Dr. Mukesh Kumar*

Horticulture				
28.	Manoj Kumar	3946	Studies on the Effect of Different Gelling Agents for *Micro Propagation* of Strawberry (Fragaria x ananassa Duch.)	*Dr. Yogesh Prasad*
29.	Rehan	3950	Analysis of Genetic Diversity in Bottle Gourd *(Lagenaria siceraria Mol.)* Standl.	*Dr. Manoj Kumar Singh*
30.	Muzeev Ahmad	3947	Study of Variability and Use of Molecular Marker for Genotype Identification in Bottle Gourd (*Lagenaria siceraria* Molina standl.)	*Dr. Bijendra Singh*
31.	A. B. Priyanshu	2459	Effect of Integrated Nutrient Management on Growth, Yield and Quality of Garlic (*Allium sativum L.*) cv. Yamuna Safed-3.	*Dr. Manoj Kumar Singh*
32.	Taru Dumi	3949	Study of Genetic Diversity in Tomato (*Lycopersicon esculentum* Mill.) Germplasm.	*Dr. Vipin Kumar*
33.	Anayatullah Mujadidi	3951	Effect of Concentrations and Time of Application of Gibberellic Acid on Growth and Flowering of African Marigold (*Tagetes erecta* L.)	*Dr. Mukesh Kumar*
Plant Pathology				
34.	Amarpal Soam	2028	Studies on Management of Fungal Disease in Oyster Mushroom (*Pleurotus florida*).	*Dr. Gopal Singh*
35.	Sonu Kumar	3688	Studies on Different Chemicals on Spawn and Casing for Production of Milky Mushroom (*Calocybe indica*)	*Dr. Gopal Singh*
36.	Surendra Kumar	3684	Studies on Effect of Different Substrates and Oil Cakes on Production of Oyster Mushroom (*Pleurotus florida*)	*Dr. Gopal Singh*
37.	Brijesh Kumar	2168	Studies on Incidence and Severity of Different Diseases in Drought Tolerant Rice Varieties Under Different Establishment Methods	*Dr. Ramji Singh*
38.	Arjun Singh	3965	Studies on Management of Anthracnose (*Colletotrichum lindermuthianum* sacc.) of French Bean (*Phaseolus vulgaris* L.)	*Dr. Ramesh Singh*
39.	Prashant Singh	3961	Studies on Management of Dry Root rot of Chickpea Caused by *Rhizoctonia bataticola* (Taub.) Butler	*Dr. Prashant Mishra*
40.	P. Anbazhagan	3967	Studies on Enhancing Drought Stress Tolerance in Tomato by Using Different Isolates of *Pseudomonas fluorescens* and *Trichoderma harzianum*.	*Dr. Ramji Singh*
41.	Dipanjali Bag	3962	Morphological and Molecular Characterization of Fusarium spp. Causing Bakanae Disease of Rice in Western Uttar Pradesh	*Dr. Kamal Khilari*
Soil Science				
42.	Akash Kumar	3957	Effect of ZincoBensulf Application on Zinc, Sulphur Availability in Soil and Growth of Wheat (*Triticum aestivum* L.)	*Dr. S. P. Singh*
43.	Abhilasha Pathak	2448	Study of Physico-chemical Properties of Soil Under Different Rice Based Cropping System in Light Textured Soil	*Dr. Ashok Kumar*

44.	Pankaj Chaurasiya	3954	Effect of PSB Inoculation with and without P and S Application on Physico-Chemical Properties of Soil, Nodulation, Nutrients Uptake and Productivity of Mungbean (*Vigna radiate* L.) in Western Uttar Pradesh	*Dr. Satendra Kumar*
45.	Shivakar Bhadauria	3955	Effect of Tillage Practices and Fertilizer Management on Nutrient Dynamics in Wheat under Rice-wheat Cropping System	*Dr. Yogesh Kumar*
46.	Archana Verma	3956	Effect of Mode of Micronutrients Application on Micronutrient Availability, Growth, Yield and Chemical Composition of Pigeon Pea (*Cajanus cajan*) in Sandy Loam Soil	*Dr. U.P. Sahi*
47.	Gouthu Naga Panchavathi	3960	Effect of Nitrogen Management in Pigeon Pea	*Dr. B.P. Dyani*
48.	Laxman Kumawat	3959	Effect of Organic Nutrient Sources on Soil Health and Productivity of Wheat under Rice-Wheat System	*Dr. Yogesh Kumar*
49.	Drishty Katiyar	3958	Effect of Rhizobium and PSB Inoculation on Modulation, Yield and Uptake of N and P by Chickpea (*Cicer arietinum* L.) in inceptisols of Meerut	*Dr. Satendra Kumar*

Agricultural Engineering & Food Technology

50.	Rahul Kumar	3695	Effect of Pre-treatment, Drying method and Cooking medium on Yield, Quality and Storability of Potato Sticks	*Dr. Vivek Kumar*

Animal Science

51.	Sameer Pandey	3657	Effect of Probiotics & Growth Stimulants on Growth and Haematological Status of Murrah Buffalo	*Dr. Rajkumar*
52.	Sanjeev Kumar	3660	Effect of Dietary Supplementation of Probiotic on Growth Performance, HematoBiochemical Profile and Parasitic Infestation of Broilers	*Dr. S.P. Yadav*
53.	Taelo Mangwai	3987	Study on the Evaluation of the Improved Feeders on the Performance and Behaviour of Goat Kids Raised Under Stall Fed Conditions.	*Dr. Rajbir Singh*

Biotechnology

54.	Vedika Dhiman	2530	The *Lens Culinaris* Zip gene family: Identification, characterization and gene expression.	*Dr. Pankaj Kumar*
55.	Dependra Pratap Singh	2641	Evaluation of Chemical induced DNA damage in tomato crop.	*Dr. Shalini Gupta*
56.	Arpit Shukla	2485	Watermelon (*Citrullur vulgaris*) urease : Immobilization in alginate beads and characterization.	*Dr. Sandeep Kumar*
57.	Shalja Panwar	2528	Identification characterization and gene expression of zip gene in glycine max.	*Dr. Pankaj Kumar*

58.	Preeti Rathi	2465	Genotoxicity assessment of some selected chemicals on tomato (*Solanum lycopersicum*).	*Dr. Shalini Gupta*
59.	Pooja Sharma	3910	Epidemiological studies and molecular characterization of phytoplasma associated with sugarcane.	*Dr. Jitender Singh*

Ph. D Degree

Agriculture Biotechnology				
1.	Ashish Pandey	3422	Molecular characterization and differential analysis of salt responsive genes in lentil (*lens culinaris*) under salt stress	*Dr. R.S. Sengar*
2.	Ashwani Kumar	2050	Development of efficient method to enhance regenration capacity using different culture condktions and explain in bread wheat (*Triticum aestivum* L.)	*Dr. M.K. Yadav*
Entomology				
3.	Santosh Kumar	3431	Effect of Weed and Nutrient Mangement on Performance of Barley (*Hordeum vulgare* L.) and Associated Weeds.	*Dr. Vivek*
4.	Umesh Kumar	2113	Studies on Seasonal Incidence and Evaluation of Bio-rational Insecticides Against Maize Stem Borers.	*Dr. D.V. Singh*
5.	Visvash Vaibhav	2581	Germplasm Screening and Evaluation of Bio-rational insecticides against Major POD Borers in Pigeon pea	*Dr. Gaje Singh*
Genetics & Plant Breeding				
6.	Ompal	2672	Diallel Analysis for Yield and Some Quality Components in Indian Mustard (*Brassica juncea*, (L.) Czern & Coss)	*Dr. S.A. Kerkhi*
7.	Ramraj Sen	3435	Genetic Analysis for Quantitative Traits in Forage Sorghum (*Sorghum bicolor* L. Moench)	*Dr. S.K. Singh*
8.	Arvind Malik	3020	Detection of Gene Action for Morpho-physiological Traits with Reference to Heat Tolerance in Wheat (*Triticum aestivum* L.)	*Dr. Pooran Chand*
9.	Rohit Kumar Saini	2569	Genetic Analysis, Heterosis and Character Association Studies in Bread Wheat (*Triticum aestivum* L.)	*Dr. S.A. Kerkhi*
Pathology				
10.	Morajdhwaj Singh	3441	Compatibility of *Trichoderma harzianum* and *Pseudomans fluorescens* with Agro-chemicals in Wheat Rhizosphere	*Dr. Ramji Singh*

Soil Science				
11.	Atin Kumar	3442	Qualitative Study of Soil of Water of Ganga Canal Command Area on West Site (Right Side) from Purkaji to Muradnagar	*Dr. Satendra Kumar*

Agricultural Engineering & Food Technology				
12.	Pinkoo Singh	1886	To Study the Drying Kinetics of Cauliflower and Evaluation of Functional Properties	*Dr. B.R. Singh*
13.	Kapil Kumar	1003	Development and Assessment of Functional Properties of Turnip Powder and Incorporating as an Ingredient in Multi-flour Noodles	*Dr. Suresh Chandra*
Animal Science				
14.	Jagdeep Kumar	1857	Study on Dairy Husbandry Practcies in Saharanpur District of Western Uttar Pradesh	*Dr. Rajbir Singh*

DEAN STUDENTS' WELFARE (DSW)

The office of Dean Students' Welfare, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, is looking after various students' activities/facilities including sports, culture, fellowships, recreation, health etc.

1. Students Amenities:

A. Hostel Facilities

Separate hostel accommodation for boys and girls are available at the University campus. The girl boarders are housed in three different Girls Hostel viz Shaheed Bhagat Singh Girls Hostel, Sarojini Bhawan Girls Hostel and New Girls Hostel. Male boarders are housed in ten hostels namely Gandhi Bhawan, Subhash Bhawan, Tagore Bhawan, CV Raman Hostel, Nehru Bhawan, APJ Abdul Kalam Hostel, Khurana Hostel, Type IA Block, Type IB Block, Type IC Block and International Hostel with adequate furniture and fixture facility. Spacious and well furnished dining hall, common room, lawn, courtyard, TV with cable/dish connection, water purifier, geyser in washrooms etc., have also been provided in the hostels. International Hostel with single room suites for foreign students with facility of kitchenette and attached rest rooms.

B. Health Facilities

Health Care Centre: For medical assistance to students, university has developed a Health Care Centre/ University Hospital, for providing better health facility to students and staff. Special facilities of Physician for various specialties are made available in campus. Every year the University avails the medical assistance facility for the students and staff through the University health centre. University hospital has 24 hours ambulance facility for emergency.

Group Insurance Scheme: During the year under report University has implemented a "Yuva Raksha" insurance scheme for students. Under this scheme, from each student Rs. 355 /- are collected as security insurance and forwarded to Oriental Insurance Corporation of India. As per the agreement between the University and the insurance company, in case of any mishap, accident the claim is made to insurance company through proper channel. The amount of claim is up to Rs. 500000/- for death and Rs. 100000/- for parent of the students' death.

C. Physical Education Programme and Sports Facilities

The stadium, Volleyball court, Basket Ball, Kabbadi, Table Tennis, Kho Kho, Gymnasium, Mini Gymnasium at Girls Hostel, Badminton hall, Indoor games and sports equipmentsare available at the campus

D. Scholarships/ Fellowships

S. No.	Name of Scholarships / Fellowships	Students	Amount (Rs)
1.	Samaj Kalyan Scholarship Meerut	134/125	77,70,780
	SC/ST	365/360	1,55,42,560
	OBC	164/160	86,90,520
	GEN	26/25	12,55,600
	MINORITY		
2.	PhD Scholarship from University	11	1,98,000
3.	ICAR PGS	-	-
4.	Mandi Samitee Scholarship from Lucknow	-	-
5.	PDF W/M		5,61,320
6.	IRRI/Scholarship from Karnal	Nil	Nil
7.	Rajiv Gandhi National Fellowship from UGC for On line	08	24,46,000
8.	Maulana Azad Fellowship	02	7,24,232
9.	SC/ST M-Tech Scholarship from UGC	Nil	Nil
10.	SRF from ICAR	04/02	1,78,000
11.	JRF from ICAR	01	1,03,680
12.	NTS from ICAR (UG)	13	3,14,800
13.	NTS from ICAR (PG)	27	11,93,074
14.	Inspire Fellowship From UGC	04	12,60,266
15.	Other State Scholarship	00	Nil
16.	Foreign Student Scholarship	11	29,93,400
	Total	**770/749**	**4,35,32,232**

E. Anti-ragging campaign:

Anti-ragging committee was constituted on 11/07/2019 and anti-ragging squads were deputed to control ragging in Hostel premises w.e.f. 7.30 PM to 12.00 mid-night. Besides this anti-ragging banners and boards were displayed at various locations in the university campus.

F. Abhivyakti 2018: Cultural programme and Talent Show:

University 18th Foundation Day was celebrated on 2nd October, 2018. On this occasion many competitions i.e literary, fine arts and cultural events were organized. Prof. A. N. Mukhopadhyay, Former Vice Chancellor, Assam Agriculture University, Johraat, Assam was Chief guest of inaugration and validicatory function Chief guest was Dr. Meenakshi Gaya Prasad, Professor, Department of Veterinary and Animal Sciences Biotechnology, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar.

G. 19th All India Inter Agricultural University Youth Festival 'Agriunifest' 2018-19

A cultural team of 22 participants of university has participated in 19th Agriuni fest held at Sardar Krushi Nagar Dantiwada Agricultural University, Gujarat held on 3-7 February, 2019. Students participated in all 18 events i.e Light Vocal, Patriotic Song, Group Song, Group Dance, Quiz, Elocution, Debate, Extempore, One Act Play, Skit, Mime, Mono Acting, on The Spot Painting, Collage, Poster Making, Clay Modelling, Cartooning, Rangoli participated in the event. One of our Student Mr. Shreyesh Mukharjee won 1st Prize in Debate and Fourth position in Elocution Contest. A contingent of four students was sent to GBPUA & T, Pantnagar to participate in National debate competition on 14-15 February, 2019. Mr. Shreyesh Mukharjee won best advocacy award.

Departure of Team from University

Participation at Games

Flag March by University Students

Participation in Badminton event

Interaction of Volleyball team with PAU authorities before match

Interaction of Kabbaddi team with PAU authorities before match

View of Match of Kabaddi Team

Participation in Athletics Event

H. Annual Sports Meet (Spardha 2019)

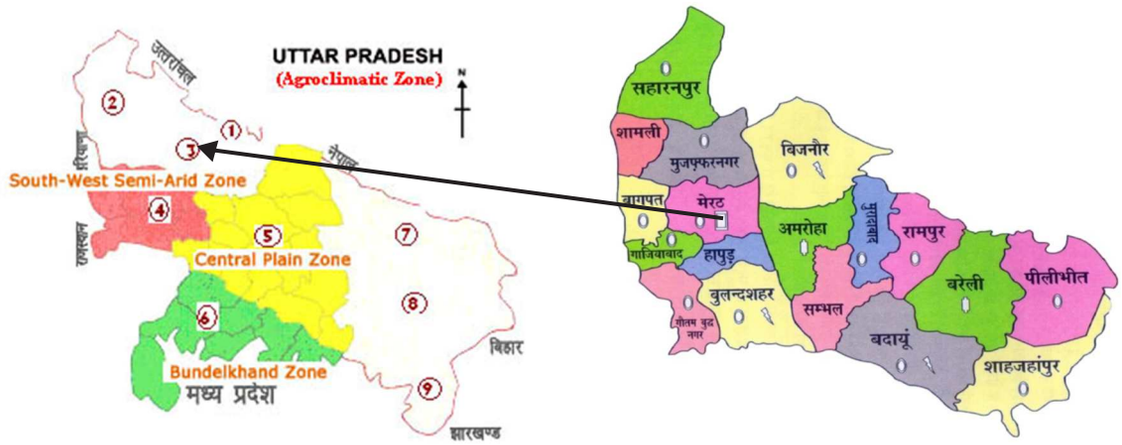
With the purpose to instil sportsman spirit among students and to enhance their physical and social skills, a three-day Annual Sports Meet 2018-19 was organized from 1.3.2019 to 4.3.2019 at Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut. The selected students from Inter-Colleges/ hostels competitions were nominated for Inter University participation.

RESEARCH HIGHLIGHTS

Directorate of Resaerch

Uttar Pradesh is one of the most populous and comparatively bigger States of the country. There are 9 agro-climatic zones in this state. Out of 9 agro-climatic zones three, namely - Bhabhar and Tarai, Western Plain and Mid Western Plain Zones falls under the area jurisdiction of Sardar Vallabh Bhai Patel University of Agriculture and Technology, Meerut. The area consists of four revenue divisions i.e. Meerut, Saharanpur, Moradabad and Barielly comprising total 18 districts, namely - Meerut, Ghaziabad, Baghpat, G.B. Nagar, Bulandshahr, Saharanpur, Muzaffarnagar, Moradabad, Bijnore, Rampur, J.P. Nagar, Barielly, Badaun, Pilibhit, Shamli, Hapur, Sambhal and Shahjahanpur.

Area Jurisdiction of SVPUAT Meerut



Agroclimatic Zone of U.P.

1. Bhabhar and Tarai Zone
2. Western Plain Zone
3. Mid Western Plain Zone
4. South Western Plain Zone
5. Central Plain Zone
6. Bundelkhand Zone
7. North Eastern Plain Zone
8. Eastern Plain Zone
9. Vidhva Zone

University H.Q.

KVKs	13
KGKs	01
Research Centre	03
New Sanctioned KVK	07
Total districts	18

Research Units Headquarter

1. Crop Research Center
2. Horticulture Research Center
3. Livestock Research Center
4. Seed Production Centre, Chirori
5. Fisheries Research and Demonstration Unit
6. Mushroom Production Center
7. Technology Park
8. Bio-Agents Production Centre
9. Vermi Compost Unit
10. Poultry Research and Demonstration Centre
11. Instructional Livestock Farm Complex

1. Crop Research Center

University has 9.9 ha land at its Crop Research Center (CRC) located at Chirodi. Faculty members and PG students of various departments of University conducted their research experiments on field crops. Total 59 Experiments were planted During 2018-19 on various crops i.e. Wheat, Barley, Chickpea, Oat, Barseem, Cowpea, Rice, Pigeon pea, Urd, Moong bean, Sorghum by the PG, Ph.D and faculty members of Soil science, Agronomy, Entomology, Pathology, Genetics and plant breeding Departments of college of Agriculture. Apart from this National Institute of Plant Genome Research, New Delhi has also conducted the field trials on Chickpea, Mustard, lentil, Rice, Foxtail, groundnut. Nucleus seed Maintenance: Nuclous seed of field crops developed by university.

Rice: Vallabh Basmati 21, Vallabh Basmati 22, Vallabh Basmati 23 and Vallabh Basmati 24.
Chickpea: Sadbhavna, Surya, Vallabh Kallar Chana-1, Vallabh Kabuli Chana-1 and WCG-10
Urd: Vallabh Urd 1

2. Horticulture Research Center

Horticulture Research Center (HRC) of the university is divided into two blocks situated at old building and at main campus (Siwaya block). Both blocks are having the total area of 12.21 Ha. Out of these the total area under Siwaya block is 9.20 ha. Orchard is 5.78 ha. open area is 3.56 ha, area under building/road/irrigation channel is 1.64 ha and green/net house is 0.20 ha.

Major crops under experimentation:

Fruits: Mango, Guava, Litchi, Bael, Aonla, Jamun, citrus, Papaya, Grapes, Pear, Peach, Custard apple, Loquat, Lemon, Sapota, Kinnow, Pomegranate, Malta, Litchi, Falsa, Ber, Karonda etc.

Vegetables: Cole crops, Cruciferae crops, Cucurbits, Potato, Onion, Garlic and Spices etc.

Flowers: Gladiolus, Marigold, Chrysanthemum etc.

Medicinal and Aromatic Plants: More than 40 types of aromatic, medicinal, spices and plantation crops were grown in the said period.

Experiments conducted at HRC

During that period following experiments on different aspects of horticulture have been conducted at HRC

S. No.	Crop	Title
1	Gladiolus	Effect of biofertilizers and micro nutrients on growth, flowering and yield of gladiolus Var. White prosperity
2	Gladiolus	Effect of plant growth regulators on growth, flowering and yield of gladiolus Var. White prosperity
3	Gladiolus	Effect of organic fertilizers complemented with chemical fertilizers on vegetative, nutritional and productive parameters of gladiolus
4	Chrysanthemum	Effect of spacing, vermicompost and foliar spray of salicylic acid on Chrysanthamum
5	Merigold	Effect of GA3 on marigold
6	Cauliflower	Effect of different sources of nutrient and mulching of sustainable production of cauliflower
7	Tomato	Study on genetic diversity on tomato
8	Onion	Response of rabi onion to varying level of phosphorus and sulphur with and without inoculation
9	Pea	Study of heterosis and screening of powdery mildew disease in table pea by using molecular markers
10	Bottle gourd	Study of genetic diversity in bottle gourd
11	Bottle gourd	Effect of different doses of organic and inorganic fertilizers on growth, flowering and fruit yield of bottle gourd
12	Okra	Genetic variability and divergence analysis in okra
13	Brinjal	Studies on the seasonal incidence and management of shoot and fruit borer on brinjal in WLZ of UP
14	Coriander	Varietal trial on coriander
15	Logage (Ajwain).	Varietal trial on Logage (Ajwain)
16	Soya	Varietal trial on Soya (Dill Seed)
17	Fennel	Varietal trial on fennel

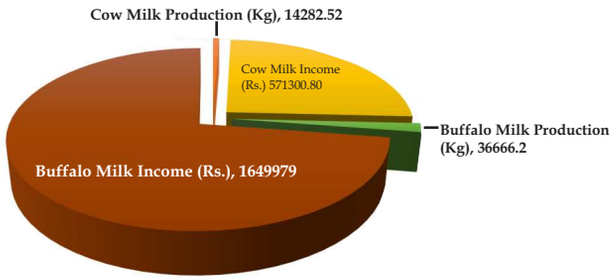
S. No.	Crop	Title
18	Garlic	Collection, maintenance and evaluation of germplasm of Garlic
19	Garlic	Varietal trial on Garlic.
20	Pomegranate	Study on the performance of red coloured cultivars of pomegranate under Western UP conditions

Major achievements and ongoing activities:

1. Produced seed of different vegetable crops i.e. Spinach, pea, faba bean, radish, turnip, vegetable mustard, coriander, fenugreek, fennel, kalonji, etc.
2. Different field experiments were conducted on vegetables, fruits and flower crops by the students and scientists of the department of horticulture.
3. Experiment on banana is being carried out in collaboration of National Institute of Plant Genome Research, New Delhi.
4. Varietal improvement programme on different vegetables and papaya crop.
5. Establishment of model nursery for production of medicinal and aromatic plants under western plain zones of UP.
6. A high-density orchard having 12 different fruit plants has been established in one-acre area. So many farmers/visitors/students were benefitted by the establishment of the orchard by getting acquainted with the new fruit plants.
7. Establishment of mother plants nurseries for high degree pedigree planting materials for fruit crops.

3. Livestock Research Centre

University has a Livestock Research Centre at headquarter where research experiments of post graduate students and faculty members of department of animal science and College of Veterinary & Animal Science are being carried out. Apart from this milk produce a at Live stock Research Center is being used for



university employee. Two breeds of cattle and Buffalo are being maintained at Livestock Research Centre namely Sahiwal Cow and Murrah Buffalo, respectively. LRC is currently maintaining 37 female stock of Sahiwal cows, 84 of Murrah buffalo alongwth 13 male stock of Sahiwal and 22 of Murrah buffalo. These animals are rearing in the 3 semi intensive low shed structure, 1 semi-intenisve high shed structure and in 1 experimental house. The facilities of feed and fodder storage, parturition house and animal isolation house are also available. Total 4 acre area was utilized for maize green fooder, 4 acre for lobia green fodder at university campus, 5 acres for Lobia and Bajra mixed green fodder and 6 acres for Maize and Lobia mixed fooder production at Chirodi farm in Zaid season. In Kharif season total 14 acres land was utilized for Jawar Kanpuri green fodder production at University campus and 28.5 acres for Jawar Kanpuri green fodder and 7 acres for Jawar, Hari Ganga green fodder production at Chirodi farm. During the year total 14282.52 kg cow milk and 36666.20 kg buffalao milk was peoduced in LFC and total income genetarted through the sale of milk was Rs 2221280.00.

4. Seed Production Centre, Chirori

University has seed production farm with an area of 136.44 ha for the production of breeder/ foundation/ certified/ TL seed of field crops improved varieties. In kharif season, total 506.14 quintal seed of PB-1509, PB-1121, PB-1, PB-5, PB-6, PB-1612, VB-22, VB-24 of paddy and 8.90 quintal of Pusa-992 Arhar was processed. In Rabi season, total 1984.39 quintal seed of DBW 71, DBW 88, DBW 90, WB-02, DPW 621-50, HD 2967, HD 3059, PBW 226 and DBW 17 of Wheat, 25.45 quintal of Pusa Vijaya and NRCYS 205 Mustard and 3.16 quintal seed of Pusa Vaibhav Lentil was produced in the university.

5. Fisheries Research and Demonstration Unit

The fish demonstration and research unit provided farm facilities for conducting fish farming and demonstration of frontline technologies to fish culturists. Unit is now emphasizing on the development and management of fisheries in the freshwater resources. Special emphasis is being put on the transfer of technology for the culture and hatchery seed production of carp fish species. Unit has farm facilities for culture as well as demonstration work. It can provide facilities to the corporate for testing of feeds, growth promoters, inducing agents, immune enhancers, aquaculture equipments such as aerators etc. on payment basis. The Fish Demonstration and Research Unit have a circular hatchery also.

Unit is rearing of brooders to develop the brood stock for quality fish seed production. The construction of hatchery includes one breeding tank, two each od hatching pool and spawn receiving tanks, one each of anti-tank, conditioning tank and shed for hatecry etc.

- The students of RAWE were taught about the fisheries under experiencing learning programme

- Published six training bulletins in hindi for the farmers.
- Training and demonstration to 600 farmers from various places like Meerut, Muzaffarnagar, Bulandsahar, Bijnour, Bagpath, Gautambudh Nagar, Gaziabad, Aligarh, Agra and Shahranpur.
- Produced 20 lakhs spawn, seed and fish sale of approx. Rs.180,000/- has been made.

6. Mushroom Production Center

University has established Mushroom production centre at old campus of the university to conduct the research and training for UG and PG student as well as farmers. The research work was carried out on Oyster and milky mushroom at the centre. Trainings were given to the students, farmers, and defence personals on mushroom production technology. More than 400 visitors visited and benefited by the centre. The unit has been developed for Experiential Learning Programme for UG students.

7. Technology Park

University has developed Technology Park to demonstrate the technology to the farmers and visitors. 06 varieties of lentil, 12 varieties of chickpea, 34 varieties of wheat, 12 varieties of Indian mustard 30 varieties of basmati rice were demonstrated in Technology Park.

8. Bio-Agents Production Centre

Several bio-agents are being produced by the university to facilitate the farming community of this region during 2018-19. The details of same are given below: -

S. No.	Name of Bio Agent	Production	Rate/ Unit	Amount
1	*Trichogramma Card*	3271	45	147195.00
2	*Beauveria bassiana*	300	130	39000.00
3	*Trichoderma*	726	130	94380.00
4	*Meterihizum*	18	130	2340.00
5	*Trichodermab. b & Meterihizum slant*	03	500	1500.00

9. Vermi Compost Unit

The Vermi compost unit established at S.V.P University of Agriculture and Technology, Meerut, to provide the training for UG and PG student as well as farmers. During experiential learning course a team of students of B.Sc. Ag. was attached to the unit to get the knowledge about the production of vermi compost so that they may start their own vermi compost units.

10. Poultry Research and Demonstration Centre

University has established Poultry Research and Demonstration Centre to conduct the research and training for UG and PG student as well as farmers with the help of fincial grant of Rs 2306 provided by RKVY. Major breeds/strains reared in PRTC were CARI-Nirbheek, CARI-Shyama, Hitcari, Upcari, CARI-Devendra, Kadaknath, Aseel, Vanraja, Chabro, Kroiler, Barred Plymouth Rock, Rhode Island Red, and Quials. During the said period 40687 numbers of eggs, 1852 live birds, 246 chicks were produced and sold. Total income generated from the unit was Rs 811533.00. PRTC has also conducted trainings to the poultry farmers in which total beneficiers were 2500 and 11 research trials were conducted on the unit.

11. Instructional Livestock Farm Complex

ILFC-II unit is having the well-equipped infrastructure in which 48 Barbari goats, 26 Muzaffarnagari Sheep, 14 Middle White Yorkshire Pigs and 02 horses are rearing on scientific system for demonstration and students learning purpose. Physically in said year unit sold 13 pigs, produced 20 lambs, 26 kids, 7 quintals wheat grain, 3.5 quintals mustard grain, 10 quintals grams grain, 22 qunitals barley grain. Total Rs 548545.00 revenue was generated by the unit.

Zonal Research Stations: University has three zonal research stations in its jurisdiction area.

1. Zonal Research Station- Nagina

Research Station Nagina is one of the premiers Rice Research Station of the country which was established by British Govt. During the said period station utilized 4 hactares land for Pusa 1509 production in kharif season, 6 heactares land for Raj 4120 wheat and 3 hectares for sugarcane production in Rabi season. The productivity of Pusa 1509 was 32.02 q/ha, Raj 4120 wheat 46.85 q/ha and sugarcane 290.30 q/ha. Station has completed two year successfully state varietal evaluation trial of Nagina Vallabh Basmati-2 and one-year trial of Nagina Vallabh Rice-6. In total 681 rice germplasm has been maintained at centre including 501 - scented germplasm, 106 - non scented germplasm, 35 -Blast resistant germplasm and 39 - BLB resistant germplasm.

Major Achievements

- Under transplanted condition Flucetosulfuron 10 WG @ 25 g ai/ha proven at par with weed free treatment in relation to grain yield, no. of panicle and tillers/m2.
- Among the rice varieties (Taraori basmati, Pusa Basmati 1, Pusa Sugandha 4 and Pusa Sugandha 5) under 3 establishment methods (direct seeding, drum seeding and transplanting), Drum seeding with Pusa Sugandha 5 was proven to be most remunerative combination (Rs 49119.05). with highest values of B:C ratio (1.97).
- Tested the efficacy and quantified the doses of new chemicals like Bispyribac sodium, flucetosulfuron under different establishment methods before their commercialization.
- Introduced drum seeder, mechanical transplanter, and LCC in the district.
- In direct seeding under puddle condition application of pre-emergence herbicide (Pretilachlor with safener @ 0.75 kg a.i./ ha, or butachlor @ 1-1.5 kg a.i./ ha or oxadiargyl @ 0.09 kg a.i/ ha or ethoxyslfuron @ 0.01 - 0.03 kg a.i./ha) followed by two applications of post-emergence herbicide (Bispyribac sodium) @ 250 ml/ha at 2-3 leaf stage of weeds for 2nd and 3rd flush of weeds was significantly superior and on par with two hand weeding treatment
- Direct-seeded rice soils are often exposed to dry and wet conditions and difference in N dynamics and losses pathways often results in different fertilizer recoveries in aerobic soils Under DSR the nitrogen scheduling at ¼ 2 WAS + ¼ 4 WAS + ¼ 6 WAS + ¼ 8 WAS is best to get higher yield.
- Basmati rice varieties Pusa 1509 should be transplanted after 15 July while PB-6 in second fortnight of June to get better quality and yield of rice.

2. Zonal Research Station- Bulandshahr

In kharif season Station evaluated Desi cotton germplasms and American cotton germplasms. A study on optimum age and distance of planting in SRI method of paddy transplanting and yield maximization in Basmati Rice through nutrient management was also conducted. In this season total 0.8 hactares area was utilized for production of breeder to foundation seed of Pusa-1509 and 0.404 hactare for breeder to foundation seed of Pusa 1121 rice. The yield obtained was 27.10 quintal and 11.15 quintal respectively. Breeder to certified seed of PS-5 and TL of Pusa-1612 rice each were also grown in 0.80 heactare area and total yield obtained were 27.90 quintals and 25.45 quintal respectively. Breeder to foundation seed of Pusa-2001 Arhar was grown in 2.34 hectare area with the production of 25.45 quintals. Commercially PMH-1 Maize seed was produced in 1.60 hectare area with 15.25 quintal production. 0.60 heactare area was utilized for the green fodder production of Jowar.

In Rabi season, Breeder to F1 seeds of DBW-90, DBW-17, DBW-88 and DBW-71 wheat were produced in 0.74, 0.40, 0.80 and 0.96 heacatres area with the production of 39.30, 22.33, 46.00, 40.80 and 168.76 1.50 quintals seed respectively. Commercial mixture of Wheat-HD-2967 was also grown in 3.404 heacatre area and produced 1.50 quintals of seed. The TL of BL-10 and BL-42 Berseem was grown in 0.132 and 1.068 heactres area and achived 0.24 and 3.60 quintal of seed respectively.

Major Achievements

- In cotton experiments highest seed cotton yield (16.31) q/ha) was found in BD-3 of deshi cotton and 1387.16 (q/ha) in SH-131 of America cotton which were significantly highest than the checks variety. In SRI experiment of rice, the combination of 10 days old nursery planted in 25x25 cm distance gave maximum seed yield (36.70 q/ha) in Pusa -1509 variety.
- In the experiment of standardization of water-soluble fertilizers for different cultivars of paddy (oryza sativa l) it was found that 14 kg WSF (18 18 186) 3 sprays -25-50-75 DAT) gave the highest yield in all the varieties of paddy.
- Cross line sowing with recommended dose of fertilizers in wheat crop gave maximum seed yield (43 17 q/ha) in PBW-550 variety.

- In AIRP experiments of wheat the maximum seed yield was found up to 54.89 q/ha) in line N-1A-18.
- Produced more than 500 quintals seed of different crop/ varieties for distribution to farmers for enhancing the yield.
- Make the coordination with different departments of government to fulfil the objectives of farmers strengthening programmers.
- Rejuvenated the buildings of centre to make it more utilized.
- Participated by the scientists of centre in many gosthies, trainings etc. Organized by state govt - deptt as well as other functionaries to provide more technical knowledge about agriculture to the farmers and extension workers.

3. Zonal Research Station-Ujhani

Three genotypes viz., VSG 2004-1, VSG 2004-2 and VSG 2004-5 of summer groundnut developed at Zonal Research Centre Ujhani were evaluated under State Varietal Trial in summer season. After 3-year testing in SVT two entries, VSG 2004-1 and VSG 2004-2 were found significantly superior over the best check ICGS-44 & ICGS-1.

Mustard Strain PUR 97-5-1 developed at Zonal Research Centre Ujhani accepted for release on the basis of 3-year yield testing in State Varietal trial under timely sown irrigated condition for Uttar Pradesh. Indian mustard entries VR 2004-02 and PUR 93-8, developed at Zonal Research Centre Ujhani were evaluated under State Varietal Trial under timely sown irrigated condition for Uttar Pradesh.

In Kharif season, 09 treatments were given to TG-26 groundnut variety alongwith collection, selection, evaluation and maintenance of germplasm and segregating populations of groundnut. The evaluation of groundnut genotypes for pod yield and maturity, nutrient management practices for sustaining groundnut yield and soil productivity on loam sand soils were also done. In Kharif season, collection, evaluation, selection and maintenance of germplasm and segregating populations of mustard was done and advance varietal trial on late sown irrigated wheat were also conducted. The effect of Zinc, Boron and Molybdenum application on the yield and yield parameters of Lentil *(Lensculinaris)* in a Typic Ustipsamments soil was evaluated. The Response of Chickpea *(Cicer arietinum)* to Sulphur and Boron nutrition in coarse -textured soils of Mid- Western Plain Zone of U.P. was evaluated. In total 09 treatments each of Shekhar -3 and Pusa - 256 were done. Centre has also utilized 6.32 hectare area for PU-31 (F/S) Urd, 43.55 heactare for PBW-723 (F-1) (Kisarua) Wheat, 40.31 heactare for Wheat: H D - 3086 (F-1) (Ujhani), 9.30 hectare for HD-3086 and 18.00 hectare for H D-3059 for seed production. Urd and wheat seeds were supplied to N.S.C. Bareilly and HD-3086 and 3059 were processed for sale at Centre.

Major Achievements

- To harvest higher grain yield of field pea in light-textured soils of Mid - Western Plains of U.P. The Field Pea crop should be nourished with 5.0kg Zinc, 1.0kg Boron/ha and seed should be inoculated with Bio-fertilizers (Rhizobium & PSB) along with recommended dose of fertilizer (20:60:40:20 kg N, P_2O_5, K_2O & S/ ha).
- To harvest higher pod yield and economic return of groundnut in light- textured soils of Mid - Western Plains of U.P. groundnut crop should be nourished with recommended dose of fertilizer (20:30:45:20 kg N, P_2O_5, K_2O & S / ha) +2.0 t. vermi- compost + 20 kg $ZnSO_4$ + 1.0 kg B/ha + 0.1% $FeSO_4$ foliar application at 45 & 60 days after sowing and seed should be inoculated with Rh.+ PSB .

Status of Running Research Projects Funding by Different Agencies

A. RKVY / State Govt.

S. No.	Name of the Project	Funding Agency	Name of I.P.	Year	Status/ Completed	Total	Progress
1.	Establishment of advance diagnostic laboratory for identification of livestock diseases in Western U.P.	RKVY	Dr. Aarti Bhatele	2017-18	Continue	250.00	Renovation of lab no. 2. Approximate Rs 33.76 lakh utilized.
2.	Establishment of Centre of excellence on Basmati rice.	RKVY	Dr. Kamal Khilari	2018-19	Continue	515.25	Amount was received on 30.03.2019.
3.	Establishment of goat unit for conservation and revitalization of superior germplasm of Barbari goat.	RKVY	Dr. Manoj Kumar Singh	2018-19	Continue	141.00	Renovation and modernization works are under progress .
	Total					**906.25**	

B. ICAR

S. No.	Name of the Project	Name of P.I.	Year	Status/ Completed	Total	Progress
1.	Mega Seed Project	Dr. R.B. Yadav	2006-07	Continue	36.75	2 TPH seed processing plant, office, store, seed testing lab, lecture hall, threshing floor etc. have been established and seed production programme is being carried at chirodi farm continuously.
2.	All India coordinated rice improvement project.	Dr. Rajendra Singh	2009-10	Continue	24.24	Nagina Vallabh Basmati-1 identified. Nagina Vallabh Basmati-2 is under trial. Nagina Vallabh Dhan-6 under trial.
3.	AICRP on nematode in cropping system	Dr. Kamal Khilari	2015-16	Continue	27.36	Voluntary Center.
4.	AICRP on Mushroom	Dr. Gopal Singh	2015-16	Continue	02.20	Voluntary Center.
5.	Creation of seed hub for increasing indigenous production of pulses in India.	Dr. Pooran Chand	2016-17	Continue	150.00	Seed was produced under the project of Lentil crop, variety PL-6 seed was not lifted (2017-18). Tin shed was established under the project at seed processing plant.
6.	Promotion of Agricultural Mechanization for *In-situ* Management of Crops Residue in the State of Uttar Pradesh.	Dr. S.K. Sachan	2018-19	Continue	340.00	Machineries have been procured at various KVKs i.e Happy seeder, paddy straw chopper, Zero till seed drill, Rotavaror etc. Demonstrations were conducted at farmer's field.
	Total				**580.55**	

C. CST/DBT/UGC

S. No.	Name of the Project	Funding Agency	Name of P.I.	Year	Status/ Completed	Total	Progress
1.	Centre of Excellence in Agri-Biotechnology	Lucknow CST	Dr. Pankaj Kumar	2009-10	Continue	34.39	--
2.	Exploitation of heterosis in Okra [*Abelmoschus esculentus* (L.) Moench] using conventional and biotechnological tools.	Lucknow CST	Dr. Bijendra Singh	2015-16	Completed	09.00	--
3.	Characterization of agriculturally important locally available microorganisms and their utilization as bio-inoculants for the suppression of soil borne pathogens and growth promotion in *Phaseolus vulgaris* (French bean) and Lens esculenta (lentil)	Lucknow CST	Dr. Ramesh Singh	2015-16	Continue	10.44	Isolated potent bio inoculants
4.	Creation of Bio informatics infrastructure facility for the promotion of Biology teaching through bio informatics (BTBI) scheme of BTI Snet	DBT New Delhi	Dr. Jitendra Singh	2006-07	Continue	06.50	--
5.	Technology development, upgradation and transfer: Micropropagation of stable hermaphrodite papaya and promotion among the western U.P.	CST Lucknow	Dr. R.S. Sengar	2017-18	Continue	11.94	Collection of seed of different papaya varieties from field grown plants and disease free plants are being developed of various varieties of Papaya.
6.	Utilization of rumen digesta waste from slaughter house as alternative local protein sources for economical ration production and controlling environmental pollution.	DBT New Delhi	Dr. Ajit Kumar	2017-18	Continue	19.63	--

7.	Production of disease free banana (*Musa sapentium*) plants through tissue culture technique for establishment of nursery and distribution of low cost plantlets among farmers.	DBT New Delhi	Dr. R.S. Sengar	2017-20	Completed	23.346	Development of protocol for banana disease free plant production, farmer training and demonstration of banana plant.
8.	Analysis of biomass hydrolysis and ethanol production by fungal crude enzymes	UGC, New Delhi	Dr. Poonam	2017-22	Continue	33.00	As per objective, acid, alkali and DES pretreatment of rice straw and sugarcane bagasse have been completed. Presently working on second objective the project.
	Total					**148.24**	

D. NHB/NIAM

S. No.	Name of the Project	Funding Agency	Name of P.I.	Year	Status/ Completed	Total	Progress
1.	Establishment of mother plant nurseries for high pedigree planting material for fruit crops	NHB	Dr. Arvind Kumar	2014-15	Continue	45.70	Mother Plant nurseries have been established at HRC i.e. Mango, Guava.
2.	Wheat Business School	NIAM	Dr. Bijendra Singh	2018-19	Continue	10.00	Survey is being done by Dr.Bijendra Singh
	Total					**55.70**	

E. Spice Board, CSIR, Ministry of Earth Science, Novod

S. No.	Name of the Project	Funding Agency	Name of I.P.	Year	Status/ Completed	Total	Progress
1.	Centrally Sponsored Scheme on spices under NHM	Spice Board	Dr. Manoj Kumar	2003-04	Continue	02.17	Quality seed i.e. Breeder, Foundation etc. of spices are being produced and supplied to the farmers. It is continuous process.

2.	Forecasting agricultural output using space, Agrometerology and land-based observation (FASAL).	Min. of Earth Sc.	Dr. Ashok kumar	2010-11	Continue	04.50	Weather related informations are being broadcasting for the farmers.
3.	Agromet advisory services project	Min. of Earth Sc.	Dr. Ashok kumar	2008-09	Continue	25.00	Data on weather i.e. rainfall, wind, temperature, humidity, sun light etc. are recorded.
	Total					**31.67**	

F. Private Sector

S. No.	Name of the Project	Funding Agency	Name of P.I.	Year	Status/ Completed	Total	Progress
1.	Assessment of POLY-4 (polyhalite) for productivity, quality of potato a K, S use efficiency in soils of western plain zone of Uttar Pradesh.	Sirius Minerals Plc London.	Dr. U.P. Shahi	2017-18	Continue	20.00	Product POLY-4 has been tested in 2018-19. Second year it will also be tested and data as per technical programme will be submitted to organization.
2.	"Evaluation of Chlorantraniliprole 0.4%G in sugarcane" for one season Kharif 2018	FMC Private ltd.	Dr. Gaje Singh	2018-19	Continue	02.60	Product Chlorantraniliprole 0.4%G has been tested in 2018-19 in sugarcane crop. The data as per technical programme will be submitted to organization.
3.	Evaluation of corded Wheat Herbicide AP03 (5.1% EC) for the control of *Phalaris minor* (Canary Grass) and *Avena Indoviciana* (Wild Oat)	Natco Pharma Ltd.	Dr. Vivek Yadav	2018-19	Continue	05.70	Product Herbicide AP03 (5.1% EC) has been tested in 2018-19 in wheat crop. Residual effect of chemical will be tested in succeeding crop. The data as per technical programme will be submitted to organization.
4.	Validation of IPM for some selective Key paste in Mango and Guava.	NCIPM. New Delhi	Dr. D.V. Singh	2018-19	Continue	02.50	--

5.	Evaluation of bio efficacy of new fungicide product NF 171 against late bight of potato	ADAMA	Dr. Kamal Khiladi	2018-19	Continue	07.22	--
6.	Evaluation of Aquasovli on potato grwoth under water stress conditions	SNF (India) pvt. ltd	Dr. R.S. Sengar	2018-20	Continue	04.00	Aquasovb has been tested in 2018-19. Second year it will also be tested and result/data as per technical programme will be submitted to SNF India Pvt. Ltd.
	Total					**42.02**	

EXTENSION

Directorate of Extension

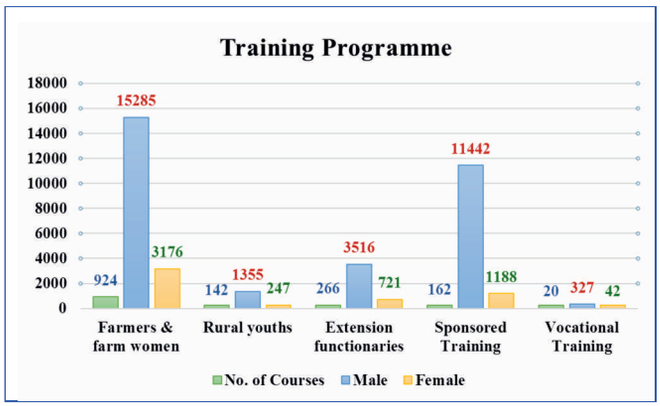
The Directorate of Extension started functioning with the inception of university in the Year 2000 with a team at head quarter and KVK's in different districts of the area jurisdiction. At present 20 KVKs i.e. Baghra (Muzaffarnagar), Ujhani (Badaun), Khekra (Baghpat), Nagina (Bijnor), Noorpur Chholas (G.B. Nagar), Muradnagar(Ghaziabad), Hastinapur (Meerut), Rustamnagar, Bilari (Moradabad), Dhamora (Rampur), Saharanpur, Niyamatpur (Shahjahanpur), Tandabijesi (Pilibhit), Bulandshahr, Sambhal, Dataganj (Badaun-II), Shamli, Amroha, Babugarh (Hapur), Chittora (Muzaffarnagar-II) and Moradabad-II are working under administrative control of the university. There is a strong team of extension scientists and supporting staff at Head Quarter to monitor and support extension activities under the supervision of Director Extension. Establishment of ATIC as single window advisory unit for advisory, diagnostic services and supply of critical inputs is on the cards. The salient features are given as below-

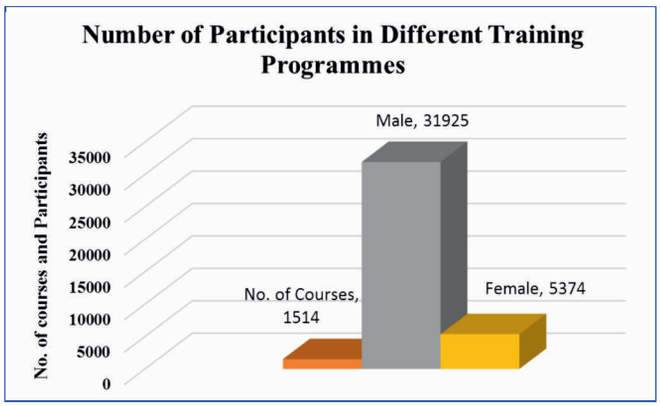
Transfer of Technology

The Directorate of Extension Education provides extension services to the farmers of western Uttar Pradesh through various programmes and activities at head quarter as well as through KVKs. The programmes implemented during 2018-19 includes trainings, demonstrations, field days, kisan melas, kisangosthies, crop seminars, exhibitions, radio talks, TV telecast, film shows etc. Transfer of technology activities were planned and coordinated through KVKs located in different districts. Efforts were made for different farm advisory services by maintaining coordination with various Colleges of the University, state departments of agriculture, fisheries, animal husbandry, rural development, NGO groups and different Extension agencies undertaking projects on upliftment of farmers.

1. Training Programmes

The scientists of the Directorate of Extension Education and Krishi Vigyan Kendras conducted a variety of training programmes during the period to meet the needs of farmers, field functionaries, unemployed youth and school drop outs in order to increase farm production and supplement the income in the field of agriculture, animal husbandry and family welfare. As many as 1514 training programmes of 1-7 days duration were organized during 2018-19





2. Field Demonstrations:

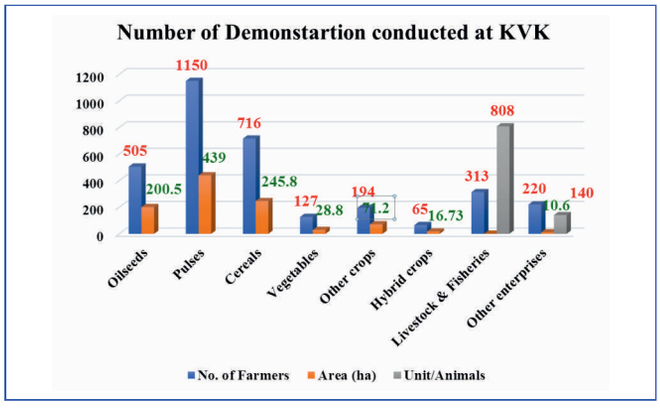
During the period under report, a total of 3290 demonstrations on cereals, oilseeds, pulses, vegetables, fruit crops etc were laid out on the farmers' fields in an area of 1012.63 ha.

2.1. Front-line demonstrations on oilseeds

The Directorate of Extension Education through KVKs conducted 505 demonstrations covering an area of 200.50 ha in different districts. These demonstrations included single and multi-component technologies like improved seed, nutrient management, weed management and insect-pest management etc. in mustard, toria and groundnut.

2.2. Front-line demonstrations on pulses

Total of 1150 demonstrations were laid out by the different KVKs covering an area of 439.90 ha on the farmers' fields to judge the performance of new varieties, IPM practices and weed management in major pulses of Western U.P like Urd bean, lentil, pigeon pea and Mungbean.

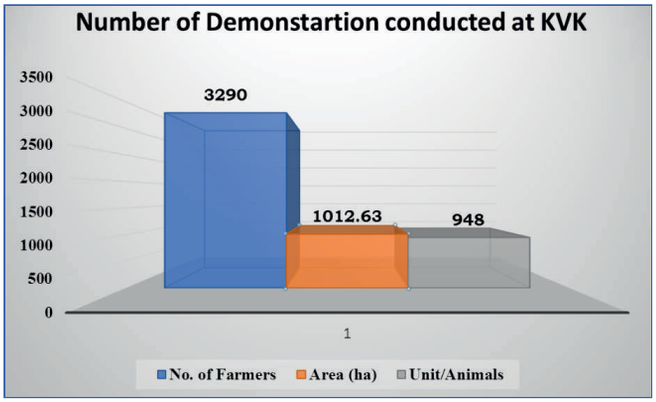


3. On-farm trials (OFTs)

The Directorate of Extension Education through KVKs laid out nearly 513 on-farm trials in different districts. Varietal evaluation, cropping systems evaluation and crop management technologies were tested against farmers practices.

4. Kisan Mela/KisanGosthi/Field Days etc

Directorate of Extension organized Kisan Mela at university Headquarter on 12-14 October, 2018 alongwith Krishak Gosthi in which approximately 10000 farmers participated. Besides, 13 farmer fairs were also organized at different KVK's in which more than 3000 farmers/ youth were participated.



SUCCESS STORIES

1. Soil Science

On the basis of trail conducted at Meerut and Bulandshahr Polyhalite is found better source of potassium and sulphur than commonly used potassic fertilizer MoP. About 15-20 per cent marketable yield of potato increment was recorded with the application of polyhalite which is a natural mineral.

2. Establishment of Rooftop solar system

Dr. Neelesh Chauhan led to establishment of 1000 KW Rooftop Solar Systems at University campus.

3. Success story of PRTC

On the motivation of PRTC centre faculty Entrepreneur Monty S/o Sri Mahaveer Singh Vill: Mandora, Post: Sakauti Tanda, Meerut started layer farm with 4000 birds and financial output of Rs 3.0 - 3.5 lakh/ year while Bunty S/o Sri Baleram, Vill& PO: Hastinapur, Meerut (UP) initiated broiler farm of 2500 birds and finanacial output of Mr Bunty per year is Rs 2.5 - 3.0 lakh.

4. Success story of ILFC-II

ILFC-II faculty members motivated the farmers for pig farming and two farmers namely Kchamendra Singh and Rahul Kumar started rearing 200 and 50 pigs respectively. The financial out put of Kchamendra Singh is 4.0 lakh/ year while Rahul Kumar is 1.5 lakh/ year.

5. Success Story of KVK Saharanpur

To doubling the farmers income through introduction of High Yielding Sugarcane Variety Co-0238: Saharanpur KVK introduced newly released sugarcane variety Co-0238. KVK conducted demonstrations in different villages and continuously focused through demonstrations, trainings and gosthies to popularization in the district Saharanpur. The area of Co-0238 variety increasing in the district and within three years it covered 43006.00 ha out of 79634.00 ha of the total area of the sugarcane cultivation. The average yield at farmers field was recorded 1375.00 q/ha with cost of cultivation of Rs. 151,960/-. The average gross profit per ha was recorded Rs. 4,12,500/- and the average net profit per ha. was recorded Rs. 260,540/-. The area under this variety has now spread to more than 43006 ha in just two years. The successful farmer is Sri. Sudhir Kumar Village - Bedvi, Block- Sarsawa, District - Saharanpur. Presently more than 71% farmers are growing this variety. The farmers of adjoining distt. are also willing to join this successful technology and now taking technical guidance and assistance from KVK (Plant Breeding). Around 32-40 % increasing rate of farmers are joining each year.

6. Success Story of KVK Saharanpur on Mushroom

Entrepreneurship development in rural areas through White button Mushroom production: KVK Saharanpur motivated 91 farmers of 21 villages from Madnuki production growth and accepted this production techniques.White Button Mushroom produced 432175 kg from 92920 bags of compost and earned huge profit of 210.66 lakh by these farmers. Setup of 51 Mushroom production units, 3 Compost pasteurization tunnels (capacity of 20 Ton each) and 2 Air-conditioned chambers in Madnuki village which is now popular name by Mushroom village MADNUKI of Saharanpur district. The Mushroom Utpadan Sangh is setup to provide proper market for these producers and also solve their queries through proper discussions. Their Medicinal and Nutritional benefits are promoting

through print media, chopals and other means to attract more customers. White Button Mushroom production is generating youth employment in their own village. Around 1500 persons are employed through these productions and lead better family annual income. Around 5 to 32 quintals mushroom is being produced each day and enable the farmers to supply it nearby Districts and States. Around 5-10 % increasing rate of farmers are joining each year, and also joint awareness among women are observed.

KVK Scientist Visit at Farmer's Field

Exposure Visit at Farmer's Field

Sugarcane - Co 0238 at growth phase

Technology visited by Dr. Randhir Singh ADG (AE) ICAR, New Delhi

Distribution of Spawan by Head KVK Saharanpur

Sri M.P. Agarwal, IAS, Commissioner Saharanpur Division, SRE Visited at Mushroom Production Unit

7. Success story of KVK Saharanpur or with Grub Management

White grub management through bio-agents *(Beauveria bassiana & Metarhizium anisopliae)*: White grub incidence was increasing in the sugarcane crop day by days due to improper crop rotation and wrong cultural practices. So that yield of sugarcane and other crops were decreasing. To overcome this problem, KVK Saharanpur conducted the OFTs, Demonstrations and trainings to management of white grub through bio-agents (*Beauveria bassiana* and *Metarhizium anisopliae*. In this technology *Beauveria bassiana* @5.0 kg and *Metarhizium anisopliae* @ 5.0 kg per hectare after 15 days composing in the 150 kg well rotted FYM and mixed in soil at the time of field preparation and crop sown. After that the cultural practices conducted time to time. In this technology 42 % incidence of white grub reduced in the crop, resulting 16 per cent yield of sugar cane and other crops were increased.

Techonology provided by KVK Scientist

Bio-agent *B. Bassiana* for the white grub management

8. Entrepreneurship on Dairy Farming

Entrepreneurship development in rural areas through modern dairy farm: KVK organized 5 days training programme for dairy farming in which all aspects of dairy farming such as animal housing management, clean milk production, animal health management etc covered in this programme. Ten trainees attained this training including Sri. Archit Bansal. Sri. Archit Bansal also participated the dairy farmer Skill Development Training Programme (200 hrs) under PMKVY conducted at KVK Saharanpur from 28 Feb. to 27 March, 2017. Sri. Archit motivated by Dr. Satya Prakash, Head and Dr. Pramod Kumar, SMS (Animal Science) for establishment of modern dairy farm. Sri. Archit constructed modern animal shed (60x40sqm) based modern dairy farm in which modern feed and watering channels, ventilator, sanitary measures include in this. He procures 20 murrah buffaloes from NDRI & other authorize dairy farms and started milk production. At present his dairy farm produced 300 lit. per day. Now 34 modern dairy are running in rural areas of Shaharanpur district. He introduced the new milk marketing channel "Home delivery system" from dairy farm to customers after the consultation by KVK and got prize @ Rs.60/lit.

Skill Training. on Dairy farming

Feeding mgt of dairy farming

Cost benefit analysis given as below: -

No. of milch animal	Milk yield/day	Price (Rs. /lit)	Gross income/day	Gross cost/ day	Net income/day	B:C ratio
20	300 lit.	60	18000	10000	8000	1.8:1

9. Entrepreneurship on Jarbera

Entrepreneurship development through flower Jarbera production: KVK working as knowledge resource centre in the district Saharanpur. Towards increasing the income of flower growers KVK promoting Jarbera, Gladiolus and Rose in the district. Sri. M.P. Aggarwal, Commissioner visited the garbera production in ventilated poly house in Mavikhurd at Sri Rajesh Panwar field/ Sri Panwar is growing garbera varieties Ameli, Natasa, Hawana, Blasar & Rain Grow in ventilated polyhouse. He transplanted the jarbera plant with the technical support of KVK Scientists. During the visit his partner Sri Mohit told to Commissioner that he is growing the jarbera with the technical support of KVK Scientists and sold the flower Delhi, Chandigarh market. With the technical support of KVK he produced 2500 flower per day and grading and packing he sold it Rs. 5-6 per flower and his annually earning is 14-15 lakh/year good income now this time. In total 49 poly houses are being made and growers are earning 10-15 lakhs per year from the poly house.

Jerbera cultivation in Polyhouse

Sri M.P. Agarwal, IAS, Commissioner Saharanpur Division, SRE discussed with growers in presence of KVK Senior Scientist, Dr. Satya Prakash.

PUBLICATIONS

College of Agriculture
Research Articles

1. Aastha Vaishali, Khyati L., Vishakha B. Chetan C., Rajendra S. and Singh A. (2019). Molecular characterization of wheat genotypes using eSSR Markers. Journal of Pharmacognosy and Phytochemistry. SP(2): 1015-1020.
2. Ahlawat P., Singh R., Singh S.P., Sachan S.K., Singh D.V., Spoorthi G.S., and Gautam M.P. (2018). Efficacy of bio pesticides and novel insecticides for control of Lipaphiserysimi (Kalt.) on mustard crop in western U.P. Journal of Pharmacognosy and Phytochemistry. SP: 1814-1820.
3. Ali N., Roy D., Sahu D.S., Fahim A., Kumar A, Singh D. and Kumar R. (2019). Evaluation of different locally available medicinal plants at Meerut district of Uttar Pradesh for their chemical composition. Journal of Pharmacognosy and Phytochemistry. SP5: 123-125
4. Ali N., Roy D., Sahu D.S., Fahim A., Kumar A., Singh D., and Kumar R. (2019). Macro and micro-mineral profile of different dry and green fodder samples in Meerut district of Uttar Pradesh. Journal of Pharmacognosy and Phytochemistry. SP5: 126-128
5. Ali N., Akram M., Fahim A., Singh B. and Imran M. (2018). Effect of supplementation of diet with Vitamin E, Zinc and Chromium on growth performance and hematological characteristics of Broiler Chickens. Indian Journal of Animal Research 52(4): 574-578
6. Arya S., Vaishali, Chand P., Sengar R.S., Singh B., Kumar M., Kumar S., Singh N.P., and Aastha K, L. (2018). Morphological characterization of tomato (*Solanum lycopersicon*) germplasm. Progressive Agriculture. 18(1): 113-118.
7. Baskar S., Rashmi C, and Baskar C. (2019). Biobased Chemicals & Polymers from Biomass or Biowaste. International Journal of Health Medicine and Current Research. 4(1): 1214-1217.
8. Chaturvedi S., Singh D., Choudhary H.S., Singh V.B., and Kumari S. (2019). MNREGA: constraints of women empowerment in Pura Bazar block of Faizabad district Uttar Pradesh Journal of Pharmacognosy and Phytochemistry. 8(2):400-402
9. Chaturvedi S., Singh D., Singh D.K., Yadav R.N., and Parmar K. (2018). Socio-economics status of career preferences of girl's student in State Agriculture University in Uttar Pradesh. A Journal of Multidisciplinary Advanced Research. 7(2): 89-91.
10. Chaudhary M., Malik S., Kumar M., Singh R., Ujjwal V., and Panwar A. (2018). Study the estimates of correlation coefficient for genotypic level among different character's and correlation between yield and yield contributing traits in tuberose. Journal of Pharmacognosy and Phytochemistry. 7(6): 998-1001.
11. Chaudhary M., Sengar R.S., Vaishali, Yadav M.K., Kumar M., and Kumar P. (2019). Synthesis and characterization of graphene oxide. Progressive Agriculture. 19 (1): 158-160.
12. Chaudhary V., Kumar M., Sharma S., Kumar N., Kumar V., Yadava H.K., Sharma S., and Sirohi U. (2018). Assessment of genetic diversity and population structure in gladiolus (*Gladiolus hybridus* Hort.) by ISSR markers. Physiology and Molecular Biology of Plants. 24(3): 493-501
13. Chaudhary V., Kumar V., Singh G.R., Singh J., Chauhan N., and Kumar P. (2018). To study the osmotic dehydration characteristics of pineapple slices (Ananascomosus). International Journal of Chemical Studies. 6(5):1081-1083.
14. Chauhan N., Singh S., Singh J., Samsher, Chandra S., Singh B.R., and Singh G.R. (2018). Effect of drying conditions on rehydration ratio of dries mint leaves. Journal of Pharmacology and Phyto-chemistry. SP1: 1507-1509.
15. Deshwal R., Sachan S.K., Singh G., Singh D.V., Singh G., and Chand P. (2019). Seasonal abundance of insect pests associated with paddy crop in western plain zone of Uttar Pradesh. Journal of Entomology and Zoology Studies. 7(3): 1347 - 1350.
16. Dixit P., Kumar A., Prakash S., Kumar M., Kumar V., Shukla S., Kumar M., and Kumar U. (2019). Effect of time techniques and environment of propagation on performance of guava (*Psidium guajava*). Indian Journal of Agricultural Sciences. 89(3): 415-419.
17. Fatima P., Chand P., Singh S.K., Purshottam, Mishra A., and Kumar P. (2018). Effect of water stress on morphological traits and yield in rice genotypes. Current Journal of Applied Science and Technology. 31(2):1-8.
18. Giri T., Kumar M., Malik S., Chand P., Naresh R.K., and Prakash S. (2019). Genetic variability heritability and genetic advance studies in marigold (Tagetes species). Progressive Agriculture. 19(1): 35-40.
19. Giri T.K., Kumar M., Sharma V.R., Malik S., Chand P., Naresh R.K., and Prakash S. (2019). Phenotypic variation and genetic divergence in marigold (Tageteserecta L.) based on agro-morphic traits. Journal of Pharmacognosy and Phytochemistry. 8(1): 1298-1302.
20. Goswami A., Sagar A., Chaudhary B., Kumar A., and Singh B. (2018). Role of biotechnology in sustainable agriculture. Progressive Agriculture. 18(2): 272-276.
21. Hussain S.M., Pathak M., Saha R.K. and Singh H. (2019). Composite fish culture system: a sustainable technology for tribal farmers of slang belt of

Arunachal Pradesh. 22(1): 71-75.
22. Kaushik A.K., Singh B., Dhaiya R., and Goswami A. (2018). Evaluation of genetic variability heritability ad genetic advance in gladiolus (*Gladious hybridus* hort.) genotype. Annals of Horticulture. 11(1): 46-51.
23. Khyati L., Kumar M., Vishakha B., Aastha V., Chand P. and Singh R. (2019). Morphological physiological and biochemical analysis of wheat genotypes under drought stress.Journal of Pharmacognosy and Phytochemistry. SP2: 1026-1030.
24. Kumar A., Sharma S., Giri K., Goswami A., Chaudhary B., and Sengar R.S. (2018). Morpho-Physiological, progressive agriculture and Bio-chemical characteristics of Wheat (*Triticum aestivum* L.) varieties under Heat stress condition. Prog. Agric. 18 (2): 195-200.
25. Kumar A., Basavraj Y.B., Kumar P., Yadav M.K., Mishra P., and Singh S.K. (2018). Development of Transgene Construct using coat protein gene of Papaya ring spot virus and its validation. Progressive Agriculture. 18(1): 92-97
26. Kumar A., Kumar M., Sharma V.R., Singh M.K., Singh B. and Chand P. (2019). Character association and path coefficient analysis of yield and yield relatd traits in okra (*Abelemouschus esculents* (L.) Moench). Progressive Agriculture. 19 (1): 140-145.
27. Kumar A., Kumar M., Sharma V.R., Singh M.K., Singh B., and Chand P. (2019). Genetic variability heritability and genetic advance studies in genotypes of okra (*Abelmoschus esculentus* (L.) Moench). Journal of Pharmacognosy and Phytochemistry. 8(1): 1285-1290
28. Kumar A., Kumar S., Dhyani B.P., Kumar A., Shahi U.P., Vivek Kumar R., and Dubey D.V. (2019). Assessment of underground water quality for drinking and irrigation purpose on west side of the Ganga canal command area in Meerut district of Uttar Pradesh India. International Journal of Chemical Studies. 7(2): 304-310
29. Kumar A., Kumar V., Kumar A., and Kumar M. (2018). Reduce the harmful effects of open-field straw burning through Nadep composting. Journal of Science Agriculture & Engineering. 8 (Special issue (a) : 25-28.
30. Kumar A., Pal M.K., and Singh B. (2018). Effect of grade level of nitrogen and sulphur on growth in tuberose (*Polianthes tuberose* L.) cv. Double. Annals of Horticulture. 11(1):52-54.
31. Kumar A., Pal M.K., and Singh B. (2018). Influence of grade level of nitrogen and sulphur on growth in tuberose (*Polianthes tuberose* L.) cv. Double. Annals of Horticulture. 11(1): 38-40.
32. Kumar A., Priya Sharma S., and Yadav M.K. (2019). Plant tissue culture technology to improve crop species - a comprehensive approach. Acta Scientific Agric. 3(2): 1-5.
33. Kumar A., Sahu D.S., Chandra G., Yadav S.P., Rajkumar V., Maurya P.S. and Singh R.K. (2018) Effect of different sources of Zinc on growth performance and Haemato- biochemical profiles of Murrah buffalo calves. Indian Journal Animal Nutrition. 35(4):409-414
34. Kumar D., Malik N. and Sengar R.S. (2019). Emerging technologies to enrich agricultural and horticultural crop quality and production. Annals of Horticulture. 12(1): 55-61.
35. Kumar D., Malik N. and Sengar R.S. (2019). Physio-biochemical insights into sugarcane under water stress. Biological Rhythm Research DoI:1080/09291016.2019.1587838
36. Kumar D., Singh D.K., Yadav R.N., Singh D., Singh V.K., and Singh H.L. (2018).A Study on the major constraints of sugarcane growers in Western Uttar Pradesh. Progressive Agriculture 18(1): 119-122.
37. Kumar D., Singh I.P., and Singh B. (2018). Inspect of integrated nutrient management on yield and economic parameter on cabbage (*Brassica oleracea* var. Capitata L.) in Western U.P. condition. Annals of Horticulture. 11(1):82-85.
38. Kumar L., Bisht R.S., Singh H., Kumar A., Pandey N., and Kumar M. (2018). Bioefficacy and economics of some newer insecticides and bio-pesticides against *Helicoverpa armigera* (Hub.) on chickpea (*Cicer arietinum* L.) crop. Journal of Pharmacognosy and Phytochemistry.7(1): 1739-1744.
39. Kumar M., and Chaudhary V. (2018). Effect of integrated sources of nutrients on growth flowering yield and soil quality of floricultural crops: A review. International Journal of current Microbiology applied sciences 7(3): 2373-2404.
40. Kumar M., Chaudhary V., Naresh R.K., Maurya O.P., and Pal S.L. (2018). Does integrated sources of nutrients enhance growth yield quality and soil fertility of vegetable crops. International Journal of Current Microbiology & Applied Sciences 7(6): 125-155.
41. Kumar M., Kumar A., Singh B., and Singh R. (2018). Estimation of return period probability of maximum rainfall in a day for Hisar, Haryana, India. Journal of Agro meteorology. 20(Special Issue): 128-134.
42. Kumar M., Rana M., Kumar V., Kumar A., and Singh P.K. (2019). Combining ability analysis for grain yield and its contributing traits in chickpea (*Cicer arietinum* L.). Journal of Pharmacognosy and Phyto chemistry. SP2: 1042-1047.
43. Kumar M., Sharma V.R., Kumar V., Sirohi U., Chaudhary V., Sharma S., Saripalli G., Naresh R.K., Yadav H.K., and Sharma S. (2019). Genetic diversity and population structure analysis of Indian garlic (*Allium sativum* L.) collection using SSR markers. Physiology and Molecular Biology of Plants. 25(2): 377-386.
44. Kumar N., Singh H., Kumar L., Vaibhav V., Singh R., Kumar A., and Kumar A. (2018). Seasonal

abundance and effect on insect pests associate with vegetable pea crop under abiotic factors of U.P. Journal of Pharmacognosy and Phytochemistary. 7(1): 1689-1693.
45. Kumar P., Yadav M.K., Sengar R.S., Kumar P., Kumar M., and Singh S.K. (2018). Morpho-physiological and bio-chemical characterization of wheat under water deficit conditions. Journal of Plant Development Sciences. 10(2): 79-88.
46. Kumar R., Ali N., Siddique R.A., Singh R., Rajkumar S.D.S., Roy D., and Fahim A. (2019). The effect of different level of mushroom and probiotics on sensory evaluation of broiler meat. Journal of Entomology and Zoology Studies. 7(4): 347-349.
47. Kumar R., Chandra S., Samsher, Chauhan N., Singh J. and Kumar M. (2019). Studies on physico-chemical properties of crude oil and refined oil. Journal of Oilseed Brassica. 10(1):1-9.
48. Kumar R., Chandra S., Samsher, Kumar K., Kumar T., and Kumar V. (2018). Analysis of the physical and chemical characteristics of edible vegetable blended oil. International Journal of Chemical Studies. 6(5): 10-15.
49. Kumar R., Naresh R.K., Mahajan N.C., Tomar S.K., Chandra M.S., and Kumar S. (2019). Soil aggregate stability and aggregate-associated carbon fractions under different tillage systems of rice-wheat rotation in North India. International Journal of Current Microbiology and Applied Sciences. 8(6): 1203-1221.
50. Kumar R., Pal D., Prakash S., and Rani T. (2019). Effect of nutrient management on seed quality attributes at different fruit pickings of tomato (Lycopersiconesculentum Mill.) Progressive Agriculture.19 (1): 24-27.
51. Kumar R., Singh A., Kumar R. and Shahi U.P. (2018). Growth physiological behavior yield nutrient uptake and economics of drought tolerant rice (*Oryza sativa* L.) varieties under various crop establishment methods and moisture conservation techniques in sandy loam soils of western U.P. International Journal of Chemical Studies. 6(2): 3047-3053.
52. Kumar S., Kumari J., Bansal R., Kuri B.R., Upadhyay D., Srivastava A., Rana B., Yadav M.K., Sengar R.S., Singh A.K. and Singh R. (2018). Multi-environmental evaluation of wheat genotypes for drought tolerance. Indian Journal of Genetics & Plant Breeding. 78(1): 26-35.
53. Kumar S., Sachan S.K., Kumar V., and Gautam M.P. (2019). Abundance of insect pests associated with brinjal (*Salanum melongena* L.) crop. Journal of Entomology and Zoology Studies. 7(3): 1011-1017.
54. Kumar S., Yadav K.G., Goyal G., Kumar R., and Kumar A. (2018). Effect of organic and inorganic sources of nutrients on growth and yield attributing characters of mustard crop (*Brassica juncea* L.). International Journal of Chemical Studies. 6(2): 2306-2309.
55. Kumar S., Yadav R.N., and Prasad H.N. (2018). Constraints analysis of cauliflower growers in Western Uttar Pradesh. Indian Journal of Extension Education. 54(4): 125-131.
56. Kumar T., Chandra S., Samsher, Chauhan N., Singh J., and Arya A.M. (2018) Storage and aluminum foil packaging dependent physical properties of tomatoes. Chemical Science Review and Letters. 7 (25): 113-117.
57. Kumar T., Kumar R., and Sharma P. (2018). Credibility distribution-based R-norm fuzzy information measures in noiseless coding theorems. International Journal of General Systems https://doi.org/10.1080/03081079.2018.1552686.
58. Kumar U., Singh D.V., Sachan S.K., Singh G., Singh G., and Yadav R.B. (2018). Studies on seasonal incidence of Sesamia inference (Walker) on maize with relation to abiotic factors. Journal of Pharmacognosy and Phytochemistry. 7(40): 2564-2566.
59. Kumar U., Singh D.V., Sachan S.K., Singh G., Singh G., and Yadav R. (2018). Studies on seasonal incidence of *Sesamia inferences* (Walker) on maize with relation to abiotic factors. Journal of Pharmacognosy and Phytochemistry. 7(40):1642-1644.
60. KumarA., SinghV., Singh H. and Yadav A. (2018). Effect of organic amendments on termite population and yield of wheat in arid eco-system of Rajasthan. Journal of Pharmacognosy and Phytochemistry. 7(1): 1745-1749
61. Kumar L., Bisht R.S., Singh H., Kumar A. and Kumar M. (2018). Insect fauna associated with Chick pea (*Cicer aretinum* L.) at Pantnagar Tarai region of Uttarakhand environment. Pharmacology and Life Sciences. 7(1) : 34 - 38.
62. Kumar V., Singh H., Sushil K., Gautam M.P. and Kumar S. (2018). Construction of stage specific life table of rice brown plant hopper (*Nilaparvatalu gens* Stal.) on Pusa Basmati - 1 and Pant Dhan - 12 under natural condition. Journal of Entomology and Zoology Studies. 6 (5) : 404 - 408.
63. Madke P.K., Pal D., Prakash S., and Kumar A. (2018). Effect of mineral mixture feeding on milk yield in buffalos. Animal Husbandry & Dairy Science. 9 (2) : 42.
64. Malik A., Chand P., Kerkhi S.A., Singh S.K., Kumar P., and Yadav M.K. (2018). Correlation and path coefficient analysis for grain yield and its component traits in wheat (*Triticum aestivum* L.). Journal of Pharmacognosy and Phytochemistry. 7 (4) : 2875 - 2880.
65. Malik N., Sengar R.S., Yadav M.K., Singh S.K., Singh G. and Kumar M. (2019). Effect of different plant growth regulators on In-vitro callus induction in

Carica papaya (cv. Pusa Nanha). International Journal of Current Microbiology & Applied Sciences 8(07): https://doi.org/10.20546/ijcmas.2019.807.
66. Mishra S.K., Kumar N., Chand P., Kumar M., Singh D., and Kumar R. (2018). Expression of Xa21 Allele Resistant to bacterial blight under artificial epiphytic condition in Indian basmati rice (*Oryza stiva* L.). Indian Journal of Current Microbiology and Applied Sciences. 7(6): 747-755.
67. Kumar M., Singh M.K., Singh S.P., and Naresh R.K. (2019). Effect of integrated use of organic and inorganic sources of nutrients on growth yield quality and profitability of tomato (*Lycopersicon esculentum* Mill.) var. Pusa Rohini. International Journal of Agriculture and Statistical Sciences. 15 (1): 57-66.
68. Omid A.Q., Singh M.K., Singh B., Kumar M., Singh S.P., Prakash S., Malik S., Singh J., Singh K.P., and Tripathi S.K. (2018). Effect of nitrogen phosphorus and potassium on growth and yield of arvi (*Colocasia esculenta* L.) cv. Vallabh Hans. Hort. Flora Research Spectrum. 7(2): 98-103
69. Parmar K., Singh D.K., Yadav R.N., Singh D., Singh V.K., and Chaturvedi S. (2018). A study on relationship between socio-economic status and level of awareness of the farmers about land use pattern in Western Uttar Pradesh. A Journal of Multidisciplinary Advance Research. 7(2): 21-25.
70. Patel B., Prakash S., Singh M.K., Kumar A., Kumar M., Shukla S. and Dixit P. (2018). Effect of bio-regulator treatment wounding and growing media on survival and vegetative growth of stem cutting in lemon (*Citrus limon* Burm.). International Journal of Chemical Studies. 6(6): 2154-2158.
71. Patel S.K., Kumar Y., Singh M., Singh P., Dhyani B.P. and Singh A. (2019). Response of applied neem coated urea (NCU) on yield and yield attributing parameters of rice (*Oryza sativa* L.). International Journal of Chemical Studies. 7(2): 1290-1296.
72. Prajapati D., Shahi U.P., Semwal M.P. and Kumar S. (2018). Influence of various sources and doses of potassium nutrient on growth yield and quality of basmati rice (*Oryza sativa* L.) in intensive cropping system of Western Uttar Pradesh. International Journal of Chemical Studies. 6(6): 1381-1384.
73. Prakash A., Kumar M., Kumar A., Kumar M., Gupta A. and Badal D.S. (2018). Performance and flower characterization of chrysanthemum (*Dendranthema grandiflora* Tzvelev) genotypes under Agro-climatic region of western Uttar Pradesh. International Journal of Chemical Studies. 6(5): 1439-1442.
74. Prakash A., Kumar M., Singh C., Kumar A., Badal D.S., and Singh D.S (2018). Correlation and path analysis studies in chrysanthemum (*Dendranthema grandiflora* TZVELEV). Journal of Pharmacognosy and Phytochemistry. 7(2): 3890-3893.
75. Prakash S., Singh M., and Kumar A. (2019). Improved trench method of sugar cane for water saving enhancing productivity and income. Journal of Soil and Water Conservation. 19(2): 210-212.
76. Prakash S., Singh M., and Kumar A. (2019). Improved trench planting method of sugarcane for water saving enhancing the productivity and income. Journal of the Soil and Water Conservation. 18(2): 210-212.
77. Prakash S., Singh M., Singh A., Singh B., Yadav K.G., and Tirpathi S.K. (2019). Increase oil seed crops production through cluster from line demonstrations. Progressive Agriculture. 19(1): 52-54.
78. Prakash S., Singh M., Singh A., Singh D., and Vaishali. (2019). Increase pulse production through Cluster Frontline Demonstrations. Progressive Agriculture. 19(1): 60-63.
79. Prince, Singh B.R., Kumar V., Chandra S., Kumar M., and Singh G.R. (2018). Physicochemical properties of quinoa (*Chenopodium quinoa* Wild) flakes and corn (*Zea mays* L) flakes. International Journal of Chemical Studies. 6(3): 1780-1784.
80. Rana M., Kumar M., Chand P., Singh S.K. and Kumar M. (2019). Identification of promising ybrids through exploitation of heterosis in chickpea (*Cicer arietinum* L.). Journal of Pharmacognosy and Phytochemistry. SP (2): 1031-1035.
81. Saini R.K., Kerkhi S.A., Khilari K., Chand P., Singh S.K. and Yadav M.K. (2018). Study of indirect selection parameter in bread wheat (Triticum aestivum L.). Journal of Pharmacognosy and Phyto chemistry. 7(4): 2265-2269.
82. Sen R., Singh S.K., Chand P., Kerkhi S.A., Singh G., and Kumar M. (2018). Studies on combining ability in forage sorghum for yield and quality parameters. Journal of Pharmacology and Phytochemistry. 7(4): 2182-2188.
83. Sharma M.K., Chaudhary R., Kureel R.S. and Sengar R.S. (2018). Effects of culture media pH on in vitro shoot multiplication in sugarcane. International Journal of Chemical Studies.6(2): 1308-1310.
84. Sharma P. (2018). Rate of approximation by some sequence of mixed integral type operators. Asian Journal of Mathematics and Computer Research. 25(8): 454-461.
85. Sharma S., Priya A. and Yadav M.K. (2019). Development of drought tolerant wheat through mutagenic and plant tissue culture tools. International Research Journal of Biological Sciences 1 (1): 4-12.
86. Sharma V., Vaishali, Kumar P., Yadav M.K., and Chand P. (2018). Assessment of genetic diversity among twenty Indian Wheat (Triticum aestivum) cultivars using Simple Sequence Repeat (SSR) markers. International Journal of Current Microbiology and Applied Sciences. 7(3):1708-1717.
87. Sharma V.R., Malik S., Kumar M., and Sirohi A.

(2018). Morphological classification of genetic diversity of garlic (*Allium sativum* L.) germplasm for bulb and yield-related traits using principal component analysis. International Journal of Current Microbiology & Applied Sciences. 7 (6) : 2016-2022

88. Singh A., Kumar N., Shahi U.P., Pandey B.R., Kumar P., Singh P.D., and Singh R.P. (2019). Evaluation of customized fertilizers in respect to yield soil nutrients status uptake and economics of wheat (*Triticum aestivum* L.) under Eastern Uttar Pradesh. International Journal of Current Microbiology & Applied Sciences. 8 (3) : 883-894.
89. Singh A., Vyas R.P., Gupta S.K., Deep A., Singh A., and Bhadoria A.P.S.(2018). Analysis of variability association and effects of direct and indirect on quantitative traits in oats (*Avena sativa* L.). International Journal of Chemical Studies. 6(3): 1982-1985
90. Singh A., Vyas R.P., Kumar S., Singh H.C., Deep A., Malik P., and Singh A. (2018). Genetic variability and correlation of seed yield and related characters in oat (*Avena sativa* L.). International Journal of Chemical Studies. 6(1): 1533-1537
91. Singh A., Vyas R.P., Singh H.C., Kumar S., Deep A., Malik P., Singh A., and Tomar P. (2018). Genetic variability and character association analyses among yield and yield contributing traits in oats (*Avena sativa* L.). International Journal of Chemical Studies. 6(1): 1562-1565.
92. Singh B., Goswami A., and Panday P.S. (2019). Study of genetic parameter and genetic divergence in Okra (*Abelemouschus esculents* (L.) Moench). Annals of Horticulture. 12(1):105-106.
93. Singh D., Singh B., Prakash S., Singh D.K., Yadav R.N., Singh H.L. and Kumar R. (2019). Impact on demonstration on yield and economic analysis of majour vegetable crops. Progressive Agriculture. 19(1): 112-117.
94. Singh D., Singh D.K., Yadav R.N., Singh B., Prakash S., Singh H.L. and Kumar R.(2019). Impact of demonstrations on yield and economics analysis of major vegetable crops. Progressive Agriculture 19(A):112-117.
95. Singh D., Yadav R.N., Singh D.K., and Kumari S. (2018). Information management system among the vegetable growers in Western Uttar Pradesh. Indian Journal of Extension Education. 54(1): 44-47.
96. Singh H., Ali N., Singh R., Raj Kumar, Sahu D.S., Siddique R.A. and Bharti M.K. (2018). Effect of different herbal feed additives in live weight of broiler chicken. International Journal of chemical studies. 6(4): 1580-1583.
97. Singh H., Kumar A., Anjana. and Kumar L. (2018). Age specific life table of mulberry silk worm (Bombyx mori Linneaus race Nistari) on the different cultivar of mulberry silk. Journal of Pharmacognosy and Phytochemistry. 7(1): 18-21.
98. Singh J., Sharma E., Yadav D.K., Chauhan N., Kumar V., Samsher, and Chandra S. (2018). Studies on physic-chemical properties of osmo-dehydrated sweet potato slices during their storage. Journal of Pharmacognosy and Phytochemistry. SP1:191-193.
99. Singh J., Singh M.K., Kumar M., Kumar V., Singh K.P., and Omid A.O. (2018). Effect of integrated nutrient management on growth flowering and yield attributes of cucumber (*Cucumis sativus* L.). International Journal of Chemical Studies. 6(4): 567-572
100. Singh K.P., Singh M.K., Kumar M., Singh S.P., Singh J. and Omid A.Q. (2018) Growth and yield of bulbs of onion (*Allium cepa* L.) as influenced by different levels of nitrogen phosphorous potassium and sulphur. International Journal of Chemical Studies. 6(4): 475-478.
101. Singh M., Vaishali, Singh A.K., Kumar A., and Pandey K.D. (2018). Molecular diversity of tomato germplasm (L. esculentum L.) using Lycopene Specific Markers. Bio catalysis and Agricultural Bio technology https://doi.org/10.1016/j.bcab.2018.08.017
102. Singh P., Amrawatial M. A., and Singh D.(2018). Socio economic features of members and Non-Members of Milk Producing Cooperative Societies. Progressive Agriculture 18(2): 213-218.
103. Singh P., Amrawatial M.A. and Singh D. (2018). Constraints in dairy development of members and non-members of milk producing cooperative Societies. Progressive Agriculture 18(2): 246-251.
104. Singh R., Yadav S.P., Yadav D.K., Jaiswal V. and Maurya P.S. (2018). Supply and utilization pattern of milk in Bulandshahr district. India. International Journal of Current Microbiology and Applied Science. 7(SI): 2615-2620.
105. Singh S., Singh S.K. and Sengar R.S. (2018). Multivariate analysis for salt tolerance in Indian bread wheat (*Triticum aestivum* L.) cultivars. Annals of Biology. 34(2): 130-133.
106. Singh S., Rana V., Kumar P., Yadav M.K., and Vaishali. (2019). Isolation and expression analysis of floral binding protein 20 (FBP20) MADS Box Gene in *Petunia axillaris*. International Journal of Current Microbiology & Applied Sciences. 8(1): 1942-1955.
107. Singh S., Singh B., Sharma V. R., Verma V. and Kumar M. (2019). Character association and path analysis in diverse genotypes of pea (*Pisum sativum* L.). International Journal of Current Microbiology & Applied Sciences 8(2): 706-713.
108. Singh S.P. (2019) Effect of integrated nutrient management on wheat (*Triticum aestivum*) yield nutrient uptake and soil fertility status in alluvial soil. Indian Journal of Agricultural Sciences. 89 (6): 929-33.
109. Singh S.P., Yadav M.K., Singh K., and Sengar R.S.

(2018). Effect of drought Stress on the morphological and physiological characters of the Indian Wheat (*Triticum aestivum* L.) Genotypes. International Journal of Current Microbiology & Applied Sciences. 7(8): 1144-1155.
110. Singh H., Kumar A., Kumar L. and Singh H.R. (2018). Effect of different species of mulberry plant on development and growth of mulberry silk worm *(Bombax mori Linn.)* under natural conditions. Journal of Pharmacognosy and Phytochemistry. 7(1): 2252-2254.
111. Sirohi U., Kumar M., Singh S.K., Chauhan P., Kumar R. and Chand P. (2018). Study on genetic variability heritability genetic advance and character association in tuberose (*Polianthes tuberosa* L.) genotypes. HortFlora Research Spectrum. 7(2): 109-114.
112. Chauhan S.N., Chaudhary V., Kumar V. and Kumar R. (2019). Studies on physic- chemical properties of multi-flour noodles during storage. International Journal of Agricultural Engineering. 12(1): 96-100.
113. Chauhan S.N., Samsher Chandra S., Singh J. and Sengar R.S. (2018). Assessment of functional properties of composite flours. International Journal of Chemical Studies. 6(5): 727-730.
114. Chauhan S.N., Chaudhary V., Singh K., Kumar V. and Singh B. (2019). Study on sensory evaluation of multi flour noodles during storage. Indian Journal of Pure & Applied Biosciences. 7 (1): 383-388.
115. Chauhan S. N., Chaudhary V., Vaishali, Singh B. and Kumar V. (2019). Effect on crude fiber iron and calcium content of multi flour noodles during Storage. International Journal of Current Microbiology & Applied Sciences.8(4):1302-1307.
116. Chauhan S.N., Samsher, Chandra S., Singh J. and Sengar R.S. (2018). Assessment of functional properties of composite flours. International Journal of Chemical Studies. 6(5):727-730.
117. Tiwari H., Kumar M. and Naresh R.K. (2018). Effect of nutrient management and gibberellic acid on growth flowering and nutrients availability in post-harvested soil of Marigold *(Tagetes Erecta L.)* cv. PusaNarangiGainda. International Journal of Chemical Studies. 6(4): 510-514.
118. Tiwari H., Kumar M., Naresh R.K., Singh M.K., Malik S., Singh S.P. and Chaudhary V. (2018). Effect of organic and inorganic fertilizers with foliar application of gibberellic acid on productivity profitability and soil health of marigold *(Tagetes Erecta L.)* cv. Pusa Narangi Gainda. International Journal of Agriculture and Statistical Sciences. 14 (2): 575-585
119. Vaibhav V., Singh G., Deshwal R., Maurya N.K., and Vishvendra. (2018). Seasonal incidence of major pod borers *Etiella zinckenella* (Treitschke) and Helicoverpa armigera (Hubner) of vegetable pea in relation with abiotic factors. Journal of Entomology and Zoology Studies. 6(3):1642-1644.
120. Vaseem M., Sachan S.K., Singh G. and Singh D.V. (2018). Influence of weather factors on population dynamics of gram pod borer *Helicoverpa armigera* in chickpea ecosystem. Journal of Experimental Zoology India. 21(2): 1327-1329.
121. Verma A. K., Singh D., Singh D.K., Singh M.K., and Singh G. (2019). Socio-Economic profile of vegetable growers in Western Uttar Pradesh India. Journal of Pharmacognosy and Phytochemistry. 8(1):1508-1511
122. Verma A., Singh D., Jagatpal Chaturvedi S. and Kumar D. (2018) Gap between knowledge and adoption level of cole crops growers with respect to package of practices of cole crops cultivation in western Uttar Pradesh India Technofame. Journal of Multidisciplinary Advance Research. 7(2): 21-25.
123. Verma V., Goswami A., Singh B., and Kumari S. (2018). Biometrical analysis of okra (*Abelmoschus esculentus* (L.) Moench). Progressive Agriculture. 18(1): 34-38.
124. Verma V., Vaishali, Dubey S., Dhankad S,. and Saxena V. (2018). Exploring the nucleotide sequence of rice chloroplast using command line in MATLAB. Annals of Horticulture. 11(1): 75-77.
125. Singh H. and Kumar A. (2019). Efficacy and economics of some newer insecticides against mustard aphid Lipaphisery simi (Kalt). Journal of Pharmacognosy and Phyto chemistry. 8(3) :785-788.
126. Yadav A., Singh V., Yadav A. and Singh H. (2019). Studies on succession of insect pest complex associated with pea at Bikaner. Journal of Entomology and Zoology Studies. 7(3):1606-1608.
128. Yadav A.S., Yadav R.N., Singh D.K. and Singh D.(2019). Constraint and major suggestion in adoption of potato production technology in Western Uttar Pradesh. International Journal of Agricultural Science and Research. 9 (3): 215-220.
129. Yadav S., Yadav M.K., Sengar R.S., Vaishali, Tomar A. and Chand P. (2018). Identification and molecular characterization of drought tolerant genes and screening of drought tolerant rice varieties. International Journal of Information Research and Review. 5 (5): 5426-5429.
130. Yadav Y.K., Singh R.K., Kumar P., Kumar P., Yadav M.K., Barh A., Upadhayay H.D. and Kumar R., (2018). Assay of genetic architecture for identification of water logging tolerant pigeon-pea germplasm. National Academy Science Letters. 78(1):11-14.
131. Yadav A., Singh V., Yadav A. and Singh H. (2018). Effect of dates of sowing on the incidence of Pea Stemfly *Ophiomyia phaseoli* (Tryon) on pea in Rajasthan. Bulletin of Environment Pharmacology and Life Sciences.7(10):71-77.

Books/Book Chapters

1. Singh N.P. and Vaishali. (2018). Abiotic stress tolerance in sugarcane using genomics and proteomics techniques. Biotechnology to Enhance Sugarcane Productivity and Stress Tolerance Editor: KalpnaSengar CRC Press TAYLOR & FRANCIS ISBN: 9781498754651-CAT#K27417.
2. Yadav A. and Shahi U.P. (2019). Major soils of India p 62-68 In Yadav Rajendra Kumar Hand Book of Plant Sciences Kalyaani Publisher New Delhi 239pp. ISBN:978-93-5359-264-6.
3. Brajendra S.K., Latha P.C., Singh R., Shahi U.P., Ghosh T.J. and Porte S.S. (2018). Indicators of soil health and their management. Ed. Parmar Publishers & Distributers Dhanbad Jharkhand 99pp. ISBN:978-81-925875-0-9.
4. Gupta S., Dhami J., Singh A., Shahi U.P., Kumar A. and Ganesh P. (2018). Roles of modern techniques for sustainable agriculture production and food security 99-102. In New Approaches in Agricultural Environmental and Nutritional Technology (Vol 2) Ed. Pant Hemlata Singh MK Srivastava DK and Mathur Vandana. ISBN:978-81-923535-3-1.
5. Kumar D., Dhaliwal S.S., Uppal R.S., Naresh R.K. and Kumar Y. (2018). Effect of N Zn and Fe application on NPK content and total uptake in parmal rice (*Oryza sativa* L.). ISSN: 2278-2289.
6. Shahi U.P., Dhyani B.P. and Sisodia D. (2019). Khet hara svasthdhara: Jan samridhhi ka aadhaar Vigyan Garima Sindhu 99 (Oct. -Dec. 2016) 1-4 published by CSTT Ministry of HRD GOI.
7. Chandra S., Kumari D., Samsher and Kumar V. (2018). Crop process engineering. The Jain Brothers (New Delhi) 16-873 East Park Road Karol Bagh New Delhi-110005. (ISBN: 978-81-8360-264-8).
8. Arya A.M., Kumar T., Sharma A., Chandra S. and Singh S. (2018). Practical manual on physical properties of food and agricultural materials. Department of Agric. Engg. and Food Technology Sardar Vallabhbhai Patel University of Agriculture and Technology Modipuram Meerut (UP).
9. Arya A.M., Kumar T., Singh S., Chandra S., Samsher and Singh B.R. (2018). Food engineering and physical properties. Edited Book "Research Trends in Food Technology and Nutrition" by Poonam Sharma ISBN 978-93-5335-048-2. Akinik Publication 169 C-11 Sector-3 Rohini Delhi-110085. Pp. 89-108.
10. Sunil Chaudhary V. and Chauhan N. (2019). Objective Type Question bank in agricultural engineering. Kalyani Publisher Ludhiana. ISBN: 9789388778381.
11. Kumar M., Naresh R.K., Singh J., Prakash S., Singh M.K. and Chaudhary V. (2018). Fruit production: an overview published in the book Sustainable Development for Agriculture and Environment ISBN: 978-81-936088-2-1 pp 264-270.
12. Kumar M., Singh M.K., Singh J. and Chaudhary V. (2018). Protected cultivation of flowering crops: an overview published in the book Advances in Agriculture and Biodiversity Kailbri International Educational Trust 522 Mahagun Villa Sector 4 Vaishali Ghaziabad 307 Eastern Katchery Road Meerut. 250001. ISBN: 978-81-937080-0- pp 232- 243.
13. Naresh R.K., Gautam M.P., Kumar M., Singh S.P., Kumar V. and Singh S.P. (2018). Modern concepts in fertilizer application to enhance soil health. Research trends in agriculture science ISBN: 978-93-87072-55-8 Akinik Publication New Delhi pp 37-76.
14. Kumar V., Kumar M., Dwivedi A., Kumar S. and Naresh R.K. (2018). Food and nutritional security through technological intervention of vertical farming of vegetables in India. In the Book of Agricultural-based Interventions for Sustainable Food Security & Climate Change Akinik Publications New Delhi 3-17
15. Naresh R.K., Kumar M., Singh S.P., Dwivedi A. and Kumar R. (2018). Enhancing nutrient use efficiency through next generation fertilizers in vegetable & field crops. In the Book of Agricultural-based Interventions for Sustainable Food Security & Climate Change Akinik Publications New Delhi 69-101
16. Kumar M., Chaudhary V., Sharma V.R. and Singh J. (2018). Role of different sources of nutrients their availability functions and effects on growth and flowering of ornamental crops: An overview. Published in the Book of Advances of Horticultural Crops Weser Books No 78737 Aussere Webserstr.57 02763 Zittau Germany 161-186 ISBN: 978-3-96492-079-9
17. Prakash S. (2018). Objective horticulture. Weser Books Publications weser book No. 79737 aussere weberstr. 57 02763 Zittau Germany 122. 978-3-96492-045-40.
18. Prakash S. (2019). Vegetables and Spices Crop Production Techniques. Kalyani Publishers. 4779/23 Ansari Road 24 Daryaganj New Delhi 192. 978-93-272-9835-2
19. Kumar M., Bala M., Bhagat K. and Kumar A. (2019). Commercialization of floriculture for entrepreneurship. Agri-Entrepreneurship Challenges and Opportunities 113-152. Today & Tomorrow's Printers and Publishers 4436/7 Ansari Road Daryaganj New Delhi - 110 002 ISBN 81-7019- (India)
20. Sharma V.R., Kumar A. and Kumar M. (2019). Marker free technology. In the book Advances in Biotechnology and Bioscience Vol-1 pp. 25- 39 by Akinik Publisher NEW Delhi Paperback ISBN: 978-93-5335-443-5 E-Book ISBN: 978-93-5335-444-2
21. Prakash S. (2019). Kitchen Garden. Vegetables and spices crop production techniques 4-8. ISBN 978-93-272-9835-2
22. Prakash S. (2019). Potato cultivation. Vegetables and

Spices Crop Production Techniques 8-11. ISBN 978-93-272-9835-2
23. Prakash S. (2019). Cauliflower Production Technique. In vegetables and spices crop Production Techniques 28-31. ISBN 978-93-272-9835-2
24. Prakash S. (2019). Cabbage ki kheti. In Vegetables and Spices Crop Production Techniques 31-34. ISBN 978-93-272-9835-2
25. Prakash S. (2019).Torai ki kheti. In Vegetables and Spices Crop Production Techniques 82-84. ISBN 978-93-272-9835-2
26. Prakash S. (2019). Tinda ki kheti. In Vegetables and Spices Crop Production Techniques 91-93. ISBN 978-93-272-9835-2
27. Prakash S. (2019). Onion Production Technique. In Vegetables and Spices Crop Production Techniques 105-108. 9 ISBN 78-93-272-9835-2
28. Prakash S. (2019). Garlic Production Technique. In Vegetables and Spices Crop Production Techniques 109-111. ISBN 978-93-272-9835-2
29. Prakash S. (2019). Chaulai Production Technique. In Vegetables and Spices Crop Production Techniques 121-126. ISBN 978-93-272-9835-2
30. Prakash S. (2019). Ajvoin Ke Kheti. In Vegetables and Spices Crop Production Techniques 126-128. ISBN 978-93-272-9835-2
31. Prakash S. (2019). Vegetable Nursery Management. In Vegetables and Spices Crop Production Techniques 141-144. ISBN 978-93-272-9835-2
32. Prakash S. (2019). Crop Protection (Vegetables). In Vegetables and Spices Crop Production Techniques 148-150. ISBN 978-93-272-9835-2
33. Prakash S. (2019). Seed Production (Vegetables). In Vegetables and Spices Crop Production Techniques 174-178. ISBN 978-93-272-9835-2
34. Gangwar L.K. Yadav R.K. and Yadav P.C. (2019). History and development of Plant Breeding pp 654-659. Hand Book of Plant Sciences Kalyani Publishers.
35. S.K. Singh as Co-Author of the book Agricultural-Based Interventions for Sustainable Food Security & Climate Change. AkiNik publication 169 C-11 Sector 3 Rohini Delhi (India)
36. Naresh R.K., Gupta R.K., Kumar V., Dwivedi A. and Rathor R.S. (2018). Manual of Irrigation (Application in agriculture). Jaya Publication House Rohini Delhi p:159
37. Naresh R.K., Gupta R.K., Kumar V., Dwivedi A., Rathor R.S. and Kumar V. (2018)- Irrigation of crops theory Principles & practices. Jaya Publication House Rohini Delhi p : 599.
38. Nigam R., Singh J., Singh R. and Lal R. (2019). Potential of beneficial Trichoderma for eco-friendly Agriculture. In compendium of 3rd International Conference on Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE- 2019) ISBN: 978-3-96492-103-1.
39. Hasan W., Singh J. and Singh R. (2019). Effect of climate change on insect pest and their natural enemies. In compendium of 3rd International Conference on Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment. ISBN: 978-3-96492-103-1.
40. Prakash S., Singh R., Singh J., Nigam R., Hasan W., Singh N. and Kumar A. (2019). Protective cultivation of horticultural crops. In compendium of 3rd International Conference on Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE- 2019) ISBN: 978-3-96492-103-1
41. Singh R., Singh J., Nigam R., Hasan W., Prakash S. Singh N. and Kumar A. (2019). Insect -pest's management in green houses. In compendium 3rd International Conference on Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE- 2019) ISBN: 978-3-96492-103-1.
42. Kumar A. and Sengar R.S. (2018). Role of biofuel for sustainable environment. In: Pollution Health and Biotechnology Bharti P K Rathoure A K and Tripathi R (Editors) pp. 150-160.
43. Kumar A., Teotia D.S., Dixit R. and Sengar R.S. (2018). Biofertilizer: A new approach for sustainable agriculture and environment. In: Pollution Health and Biotechnology Bharti P K Rathoure A K and Tripathi R (Editors) pp. 184-201.

Popular articles

1. Singh P.K. Kumar M. Singh A.K. and Yadav M.K. (2018). Gehun ki adhiktam utpadan prapt karne ki rananiti. Krishi Darshika SVPUA&T. Ank1 Jan. - Jun. 5-8.
2. Sengar R.S. (2018). Promoting sustainable agriculture through organic farming in India - A Dire need in 21st Century. Pratiyogita Darpan. June 95-96.
3. Sengar R.S. (2018). Environment pollution & its Control by trees. Pratiyogita Darpan. August 96-97.
4. Singh A.K., Singh A. and Sengar R.S. (2018). Organic farming: A gateway for sustainable farming & enhancing farmer's income. Smart Agripost. June 24-29.
5. Sengar R.S. (2018). Environmental pollution and its control by trees. Pratiyogita Darpan. August 96-97.
6. Singh A.K., Sharma M.K. and Sengar R.S. (2018). Use of Bioplastics: Rising Towards A Sustainable Agriculture. Indian Farmers Digest. 52(2): 27-30.

Hindi Articles

1. कुमार विपिन, कुमार अरविन्द, सिंह डी0 के0 व कुमार मनोज (2018), सब्जी एवं मसाले वाली फसलों की उत्पादन तकनीकी नामक पुस्तक में रेसीकुल की सब्जी ''अरबी'' फसल का अध्याय पृष्ठ संख्या 112–116। पुस्तक सम्पादक डा0 दान सिंह वं डा0 सत्य प्रकाश, सवपकृषि वं प्रौ0 वि0वि0 मेरठ।
2. सिंह बिजेन्द्र, प्रकाश सत्य, कुमार मुकेश एवं कुमार अरविन्द (2018), सब्जी व मसाले वाली फसलों की उत्पादन तकनीकी नामक पुस्तक में पीयेसीकुल की फसल ''अजवाइन'' का अध्याय पृष्ठ संख्या 126–128
3. सिंह बिजेन्द्र, कुमार अरविन्द, कुमार मनोज वं गोस्वामी आकांशा (2018). सब्जी एवं मसाले वाली फसलों की उत्पादन तकनीकी नामक पुस्तक में जिंजी बेरेसीकुल की फसल ''हल्दी'' का अध्याय पृष्ठ संख्या 129–133
4. कुमार अरविन्द, पाल ऋषि एंव सिंह राजेन्द्र (2019). अगूंर के कीटों और रोगो का प्रबन्धन कृषक श्रृंखला / फरवरी–2019 पृष्ठ संख्या 24 – 28
5. पाल ऋषि एंव कुमार अरविन्द, (2019) फायदेमंद खीरे की खेती'' फार्म एंव फूड / 16 फरवरी–2019 पृष्ठ संख्या 08 –10
6. पाल ऋषि एंव कुमार अरविन्द, (2019), जिमीकन्द की वैज्ञानिक फार्म एंव फूड / 01 मार्च–2019 पृष्ठ संख्या 24–25
7. कुमार अरविन्द एंव पाल ऋषि (2019), अमरूद–सघनबागवानी कृषकश्रृंखला / मार्च–2019 पृष्ठ संख्या 15 – 31
8. पाल ऋषि एंव कुमार अरविन्द, (2019), हल्दी की खेती से सेलेमुनाफा फार्म एंव फूड / 01 अप्रैल–2019 पृष्ठ संख्या 12–14
9. कुमार अरविन्द एंव पाल ऋषि (2019) ''अमरूद की सघन बागवानी–आमदनी में करे इजाफा'', फार्म एंव फूड / 16 अप्रैल–2019 पृष्ठ संख्या 24 – 27
10. कुमार अरविन्द एंव पाल ऋषि (2019) ''मक्का वैज्ञानिक विधि से उत्पादन'' कृषक श्रृंखला / अप्रैल–2019 पृष्ठ संख्या 22–29
11. कुमार अरविन्द, पाल ऋषि एंव सिंह राजेन्द्र (2019) ''धान की उन्नत खेती'', कृषक श्रृखंला / मई–2019 / 11 पृष्ठ संख्या 10–17
12. कुमार अरविन्द एंव पाल ऋषि (2019) ''मैदानी इलाकों में सेब की बागवानी'', फार्म एंव फूड / 16 मई–2019 पृष्ठ संख्या 28 – 31
13. सेंगर आर.एस., सिंह आलोक कुमार एवं श्रीवास्तव डी.के. (2018) अजौला बढ़ाए पैदावार फार्म एन फूड 1–15 अक्टूबर 28–29
14. सेंगर आर.एस. शर्मा मनोज एवं आलोक कुमार (2018) जैव प्रौद्योगिकी क्षेत्र कि कुछ उपलब्धिया विज्ञान प्रगति अक्टूबर 2018 37–39
15. पाण्डेय आशीष, कुमार अशोक, शर्मा मनोज कुमार वं सेंगर आर0 स0 (2018) दलहन उत्पादन में राइजोबियम कल्चर का महत्व, कृषि दर्शिका 1: 15–19
16. सेंगर आर0 एस0, कुमार अशोक एवं चौधरी रेशू (2018)। खाद्य फसलों में पोटैशियम की कमी के लक्षण एवं उनका निदान, कृषि दर्शिका 1: 29–33
17. शर्मा संदीप, सिंह अमित कुमार, कपूर नीलेश एवं सेंगर आर0 एस0 (2018)। गेंहू के बढ़ते उत्पादन से खाद्यान्न एवं पोषण सुरक्षा। जुलाई–दिसम्बर, कृषि दर्शिका, 2: 3–6
18. सेंगर आर0 एस0, शर्मा मनोज कुमार, कुमार आदेश एवं कुमार अशोक (2018)। आधुनिक तकनीक से करें शरद कालीन गन्ने बुवाई। जुलाई–दिसम्बर, कृषि दर्शिका, 2: 13–14
19. सागर सुषमा, सेंगर आर0 एस0, तोमर आकाश वं सिंह राम जी (2018)। पादप रोगों का जैविक नियंत्रणः ट्राइकोडर्मा। जुलाई–दिसम्बर, कृषि दर्शिका, 2: 15–17
20. गुप्ता शालिनी, सेंगर आर0 एस0, कुमार देवेन्द्र एवं सिंह आलोक कुमार (2018)। काला नमक धान की जैविक खेती। जुलाई–दिसम्बर, कृषि दर्शिका, 2: 32–36
21. सिंह डी0, सिंह डी0के0, यादव, आर0 एन0 एवं कुमार, एम0 (2018) भिंडी की खेती, 101–105, सब्जी वं मसाले वाली फसलों की उत्पादन तकनीकी। कल्याणी पब्लिशर्स, नई दिल्ली ISBN 978–93–272–9835–2
22. प्रकाश, एस0, कटियार, एच0, लोधी, एस0 के0 एवं कुमार, एम0 (2018) प्याज की खेती 105–108, सब्जी एवं मसाले वाली फसलों की उत्पादन तकनीकी, कल्याणी पब्लिशर्स, नई दिल्ली ISBN 978–93–272–9835–2
23. सिंह, बी0, प्रकाश, एस0, कुमार, एम0 एवं कुमार (2018) अजवाइन की खेती, 126–128, सब्जी एवं मसाले वाली फसलों की उत्पादन तकनीकी। कल्याणी पब्लिशर्स, नई दिल्ली ISBN 978–93–272–9835–2
24. सिंह, बी0, कुमार, एम0, सचान, डी0 के0 एवं गोस्वामी (2018) कलौंजी की खेती 137–140, कल्याणी पब्लिशर्स, नई दिल्ली ISBN 978–93–272–9835–2

Paper presented in seminar/symposium (abstract)

1. Burman, V., Lehari, K., Astha, Singh, N.P., Verma, V. and Vaishali. (2018). Future Agriculture anticipating biofuel for decreasing fossil fuel emission. An abstract published in 2nd Global Meet on Science and Technology for Ensuring Quality Life (GMST 2018) held at Bali Indonesia during 13-17 November 2018.Pg-120
2. Chand, P., Gangwar, L.K. and Kerkhi, S.A. (2018). Studies on gene action for morpho-physiological traits associated with heat tolerance in International symposium on 100 years of wheat cytogenetics": Its impact on crop Improvement at department of Genetics and Plant Breeding, Ch. Charan Singh University, Meerut
3. Choubey A.K., Walke, Rohit C., Singh, D.K. Singh, V.K. and Singh, L.B. (2019). Role of Extension Agencies in Rural Area. Souvenir & Abstracts, National Conference on identification, Convergences Implementation & Extension of Science- Tech-Research for sustainable development (ICIESSD-2019) held at S.V.P.U.&T., Meerut on 20-21 April, P-87.
4. Bhatnagar, Archana presented a paper titled Floriculture: a sunrise industry for the future Indian agri-business, In: International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2018), pp. 281.
5. Bhatnagar, Green promise through hydroponic farming system. Souvenir and Conference Book. National Conference ICIESSD-2019.
6. Bhatnagar, Roof-top farming and its environmental impact, in: International Conference on Global Meet on Science and Technology for Ensuring Quality Life (GMST-2018), pp.117.

7. Bhatnagar, Significance of English as A Global Link Language, in: International Conference on Global Meet on Science and Technology for Ensuring Quality Life (GMST-2018), pp. 122.
8. Bhatnagar, Soil-less farming: the future cult of vegetable and fruit cultivation. In: International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences GRISAAS-2018, pp. 79.
9. Sharma, Approximation by difference of linear positive operators In: National conference on relevance of applied sciences to emerging technology, Ajay Kumar Garg Engineering College, Ghaziabad from 24-25 April, 2019.
10. Sharma, Particle swarm optimization for deteriorating items with holding cost under a two-storage model with inflation, In: 21st annual conference of Vijnana Parishad of India "Modelling, optimization and computing for technological and sustainable development" SRM -IST, Modinagar from 26-28 April 2019.
11. Sharma, Some Approximation estimates for summation integral operator in: IInd International Conference on soft computing and mathematical modeling, KIET group of Institutions, Ghaziabad from 22-23 December 2018.
12. Rashmi Insect/ Pest Management of Poplar through Herbal Approach by Rashmi &K.P.Singh in the ICIESSD - 2019 held at SVPUA&T, Meerut on April 20-21, 2019, pp.71.
13. Kumar, A., Kumar, S., Dhyani, B.P. and Kumar, R. (2019). In impact of climate change on global food demand. 1st National conference on identification, convergence, implementation and extension of science- tech-research for sustainable development (ICIESSD-2019) held on 20-21 April, 2019 at SVPUA&T, Meerut.
14. Kumar, A., Kumar, S., Kumar, V., Kumar, R. and Patel, S.K. (2019). Assessment of soil and water quality of canal command area in Meerut, NCR region. In All India Post Graduate Students Research convention in Soil Science held at Bihar Agricultural University on 15-16 March, 2019.
15. Kumar, A., Sharma, S., Priya and Yadav, M.K. (2018). Effective plant regeneration through in vitro mutagenesis in wheat (*Triticum aestivum* L.) genotypes using mature embryo cultures. In Advances in Agricultural, Biological and Applied Sciences for Sustainable future (ABAS). 20-22 Oct, 2018 Meerut. Theme3: 24.
16. Kumar, P., Kumar, A., Sharma, S. and Yadav, M.K. (2018). Biotechnology approaches for improvement of wheat under abiotic stress. In Advances in Agricultural, Biological and Applied Sciences for Sustainable future (ABAS). 20-22 Oct, 2018 Meerut. Theme3: 75
17. Kumar, P., Sharma, V., Kumar, A., Sharma, S. and Yadav, M.K. (2018). Physiological characterization for improving the salt tolerance in crops. In Advances in Agricultural, Biological and Applied Sciences for Sustainable future (ABAS). 20-22 Oct, 2018 Meerut. Theme3: 75
18. Kumar, T., Arya, A.M., Singh, S., Samsher, Singh, B.R. and Singh, B. (2019). A review on effect of different drying technology on mushrooms. In 3rd International Conference on Global Initative in Agriculture and Applied Sciences for Eco Friendly Environment (GIASE-2019) during June 16-18, 2019 page: 46-48.
19. Kumar, V., Kumar, S., Singh, A. and Kumar, A. (2019). Effect of nitrogen on nutrients availability, growth performance and yield of late sown wheat (Triticum aestivum L.) crop in western UP. In All India Post Graduate Students Research convention in Soil Science held at Bihar Agricultural University on 15-16 March, 2019.
20. Lehari, K., Burman, V., Aastha, Singh, N.P., Kumar, M. and Vaishali. (2018). Role of secondary metabolite in wheat under heat stress. In 2nd Global Meet on Science and Technology for Ensuring Quality Life (GMST 2018) held at Bali Indonesia during 13-17 November 2018. Pg116
21. Prakash, S., Singh, B.andSingh, A. (2019) Innovative Extension Approaches For Transfer of Technologies Through KVKs. In Proceeding of 8th National Conference of SCSI New Delhi on Farmers Friendly soil &Water Conservation Technologies for Mitigating Climate change Impact Held at Ooty, Tamilnadu on 31Jan.-2 Feb. Pp-183.
22. Prakash S. (2019) Protected Cultivation of Horticultural Crops. In Souvenir of International Conference GIASE-2019 held at Kathmandu Nepal. Pp-49-53.
23. Shahi, U.P., Dhyani, B.P., Kumar, A., Singh, A., Singh, P., Singh, V.K. and Awasthi, N.K. (2018). Balance fertilization for improving potato crop productivity and soil fertility in Upper Gangetic Plain zone in 83rd Annual Convention of ISSS, 27-30 November, 2018 at AAU, Anand.
24. Shahi, U.P., Singh, R., Singh, A., Dhyani, B.P., Kumar, A., Srivastava, A.K. and Singh, S. (2018). Performance of drought tolerant rice varieties Under different establishment methods and moisture Conservation techniques. In Global Clean-up Congress 22-24 October, 2018 Coimbatore, jointly organized by TNAU & CRC CARE Australia.
25. Sharma, S., Kumar, A., Priya and Yadav, M.K. (2018). In vitro mutagenesis to develop abiotic stress tolerant genotypes in wheat (*Triticum aestivum* L.). In: Advances in Agricultural, Biological and Applied Sciences for Sustainable future (ABAS). 20-22 Oct, 2018 Meerut. Theme3: 113
26. Singh, (2018). Analysis of variability association and path on quantitative traits in Oat. In souvenir of

2ndInternational Conference on Advances in Agriculture. Biological and Applied Sciences for Sustainable Future held at Swami Vivekanand Subhari University, Meerut during 20-22 October, 2018.

27. Singh, B., Kumar, V. and Vaishali. (2018). Organic Horticulture: Challenges and Future Possibilities in Indian Scenario. Lead Paper. In 2nd Global Meet on Science and Technology for Ensuring Quality Life (GMST-2018) held at Bali, Indonesia during 13-17, November 2018.
28. Singh, N.P., Vaishali, Kapoor, N., Aastha, Burman, V. and Lehari, K. (2018). Wheat mutants for Abiotic stress tolerance. In : 2nd Global Meet on Science and Technology for Ensuring Quality Life (GMST 2018) held at Bali Indonesia during 13-17 November 2018. Pg 123.
29. Singh, S.K., Gangwar, L.K. and Chaudhary, M. (2018). Genetic variability, correlation and path analysis in forage sorghum. In : souvenir International Conference on global research initiatives for sustainable agriculture and allied science at Rajasthan Agricultural Research Institute, Durgapura, Jaipur (Rajasthan). P121.
30. Verma, S.K., Prashad, N. and Singh, L.B. (2019). Soil Amendment in Crop Production by using un-used bio-waste. "International conference on sustainable Agriculture production for food, Nutrition and Livelihood Security: A challenge for Asian farmers. Pallaya Thailand, Sept. 25-27, 2019.

Lecture delivered in Kissan Gosthis/TV/Livetelecast etc

1. Dr. D.V. Singh Live telecast on Fish Culture under HELLO KISAN DoordarsanKisan on dated 11.10.2018 at 6:0 - 7:0 PM New Delhi.
2. Dr. D.V. Singh Live telecast on Keetnasko Ka ChirkavoDushprabhavuAurBachao under HELLO KISAN DoordarsanKisan on dated 19.06.2019 at 6:0 - 7:0 PM New Delhi.
3. Dr. D.V. Singh Live telecast on Ornamental Fish Culture under HELLO KISAN DoordarsanKisan on dated 29.18.2018 at 6:0 - 7:0 PM New Delhi.
4. Dr. Rajendra Singh All India Radio talk as recording dated 28.6.2019 on आम के बाग में फल गिरने व फटने की समस्या व समाधान at Prasar Bharti/All India Radio, Nazibabad (U.P.) Broadcast talk on date 20 July, 2019.
5. Dr. Rajendra Singh All India Radio talk as recording dated 28.6.2019 on धान के प्रमुख कीट एवं उनका सेम कितना शीजी व प्रबंधन at Prasar Bharti / All India Radio, Nazibabad (U.P.) Broadcast talk on date 20 July, 2019.
6. Dr. Rajendra Singh Delivered lecture on "Bio control Agents-an Introduction on organic farming" in the Training programme (Certificate course of Organic Farming). Organized by National Centre for Organic Farming (NCOF) at Nehru Nagar, Ghaziabad, on 10 January, 2019.
7. Dr. Rajendra Singh Delivered lecture on "Bio control Agents-an Introduction on organic farming and Role of Integrated Pests Management in Organic Farming" in the Training programme (Certificate course of Organic Farming). Organized by National Centre for Organic Farming (NCOF) at Nehru Nagar, Ghaziabad, on 8 May, 2019.
8. Dr. Rajendra Singh Delivered lecture on "Insect pests of Sugarcane and there are management" in the "Krishidham Expo-2019" threeday farmer fair at Central Potato Research Institute, Modipuram, Meerut on dated 16 February,2019.
9. Dr. Rajendra Singh Delivered lecture on "Integrated Pests Management in Basmati Rice" in the two-day workshop on "Sustainable Production Storage, & Quality Assessment Basmati Rice" for Export, organized by Basmati Export Development Foundation (BEDF) and All India Rice Exporters Association (AIREA) at Panchayat Bhawan, Karnal on dated 25 February, 2019.
10. Dr. Rajendra Singh Delivered lecture on Integrated Pests Management in Sugarcane in the one day "Farmer training programme organized by Government dairy training and Research Centre at Gangol Road, Partapur Meerut on dated 06 July, 2019.
11. Dr. Rajendra Singh Delivered lecture on Integrated Pests Management in Sugarcane in the one-day Farmer training programme on at Muzaffarnagar on dated 25 May, 2019.
12. Dr. Rajendra Singh Delivered lecture on Integrated Pests Management in Sugarcane in the one day"Farmer training programme on at Muzaffarnagar on dated 26 May, 2019
13. Dr. Rajendra Singh Live telecast on कीटनाशको के सुरक्षित एवं समुचित प्रयोग under " HELLO KISAN" DoordarsanKisan on dated 22.3.2019 at 6:0 - 7:0 PM New Delhi.

College of Biotechnology

Research articles

1. Amir, A., Kapoor, N., Kumar, H., Tariq, M. and Siddiqui, M.A. (2018). In silico, physico-chemical characterization and analysis of sandalwood proteins. International Journal of Agricultural Invention. 3(2): 150-157.
2. Burman, V., Kanaujia, H., Lehari, K., Aastha, Singh, N.P. and Vaishali. (2019) "Characterization of phenolic compounds of turmeric using TLC.Journal of Pharmacognosy and Phytochemistry. SP2:994-998.
3. Chauhan, P., Kapoor, N.and Maheshwari, S. (2018). Effect of urban waste water on some crop plants. Annals of Horticulture. 11(1): 90-93.
4. Goel, S. and Chuhan, P. (2018). Minerals content of *Stevia rebaudianabertoni* under the effect of distillery spent wash. Progressive Agriculture. 18(2): 229-235.
5. Kapoor, N., Manav, A., Chauhan, P., Kumar, R. and Singh, J. (2018). Weed mediated synthesis of silver nanoparticles. International Journal of Pure & Applied Bioscience, SPI: 6(2): 288-292.
6. Kapoor, N.,Arzoo, Sakshi, Singh, J., Sirohi, A. and Kumar, R.(2018). Role of silver nano particles synthesized by *Camellia sinensis* on growth and development of fenugreek plant. Bulletin of Environment, Pharmacology and Life Sciences. 8 (154-161).
7. Kapoor, N.,Kaisar, A., Dixit, R., Singh, N.P. and Singh, J. (2018). A study to evaluate the effect of silver nanoparticles synthesized by Sonchus asper on fenugreek plant. Journal of Pharmacognosy and Phytochemistry.7(5): 1144-1149.
8. Khanna, S., Rana, S., Singh, J., Kumar, P., Sirohi, A., Singh, N., Pant, R.P. and Baranwal, V.K. (2018). First report of Tomato leaf curl Palampur virus infecting bur cucumber (*Sicyos angulatus*) in India. Indian Phytopathology 72:181-184 https://doi.org/10.1007/s42360-018-00107-4.
9. Kumar, A. Verma, A.K., Prasad S.V., Srinivas, K., and Reddy G.S. (2018). Safety and efficacy of reduced dose *Brucella abortus* strain- 19 vaccine in non-pregnant zebu cattle (*Bos indicus*) heifers. Indian Journal of Animal Sciences. 86(2): 136-139.
10. Kumar, A., Gupta, V.K., Mandil, R., Rahal, A., Verma, A. K, and Yadav, S.K. (2019). Interplay of oxidative stress and antioxidant bio markers in oil adjuvant *Brucella melitensis* vaccinated and challenged mice. Vaccine. 37 (2019): 3343-3351.
11. Kumar, A., Gupta, V.K., Mandil, R., Verma, A. K, Rahal, A. and Yadav, S.K. (2018). Mapping of oxidative stress in immune response induced by polymer gel-based Brucella melitensis vaccine in mice. Indian Journal of Animal Sciences. 88 (7): 771-778.
12. Kumar, A., Gupta, V.K., Rahal, A., Mandil, R., Verma, A. K, and Yadav, S.K. (2018). Nanoparticle based *Brucella melitensis* vaccine induced oxidative stress acts in synergism to immune response. Indian Journal of Animal Research, B- 3548 (1-7).
13. Mishra, S., Kumar, S. and Vala, Y. (2019). Effects of coconut water, plant growth regulators and light intensity on shoot bud proliferation and direct regeneration in olives (*Olea europaea L.*). Journal of Pharm Phytochem, 8(3): 846-850.
14. Naresh, R.K., Purushottam, Kumar, S., Malik, M., Kumar, S. and Choudhary, U. (2018). Effects of Tillage; Residue and nutrient management on top soil carbon stocks and soil labile organic carbon fractions in the Indo-gangetic plains of North West India. Journal of Pharmacognosy and Phytochemistry. 7(3): 1818-1842.
15. Naresh, R.K., Vivek, Kumar, S., Purushattom, Sachan, S.K., Jat, L., Mahajan, N.C., Tiwari, R. and Tomar, S.S. (2018). Minimal soil disturbance and increased residue retention on aggregates carbon storage potential and energy relations in Typic Ustochrept soil of Uttar Pradesh: A review Journal of Pharmacognosy and Phytochemistry. 7(5): 1429-1447.
16. Sharma, L., Verma, A.K., Kumar, A. and Yadav. S.K. (2019). Prevalence of biofilm forming *Staphylococcus aureus* in clinical specimen from human and animals. Multilogic in Science. 8(SI): 230-233.
17. Singh, V. K., Kumar, A., Pandey, R. P. and Yadav, S. K. (2018). Diagnosis and successful management of a rare case of phaeohyphomycosis in a Doberman pinscher dog. Iranian Journal of Veterinary Research.19 (04): 321-324.
18. Singh, V. K., Kumar, R., Kumar, A. and Yadav, S. K. (2018). Microbiology and histo-pathology of mandibulofacial abscess in a BALB/c mouse. Applied Biological Research. 20(2): 218-220.
19. Singh, V. K., Rajak, K., Kumar, A. and Yadav, S. K. (2018). Classical swine fever in India: Current status and future perspective. Tropical Animal Health and Production.50: 1181-91.
20. Yadav, R., Kumar, A., Singh, V.K., Jayshree, and Yadav S.K. (2018). Molecular determination of methicillin resistance mecA and virulence coa genes in *Staphylococcus aureus* from pyogenic clinical cases of companion animals in India. Turkish Journal of Veterinary and Animal Science. 42: 371-375.
21. Yadav, R., Kumar, A., Singh, V.K., Jayshree, and Yadav S.K. (2018). Prevalence and antibiotyping of *Staphylococcus aureus* and methicillin-resistant S. aureus (MRSA) in domestic animals in India. Journal of Global Antimicrobial Resistance. 15: 222-225.
22. Yadav, S., Kumar, A., Yadav, S.K., Singh, V.K. and Rahal, A. (2019). Interplay of oxidative stress and antioxidant system in mice mastitis model. Multilogic in Science. 8(SI): 248-252.

Books/ Book Chapters

1. Dixit, R., Dixit, A., Kapoor, N., Kumar, P., Mishra, S., Purushottum, Kumar, S., and Pratap, N. (2018). Nanobiotechnology: Potential applications of nanomaterials and nanodevices. In : "Advances in Environment and Agriculture Biotechnology" (eds. Nigam R., Singh J., Hasan W. and Kapoor N.). Weser Books Publications, Germany. pp: 221-228. ISBN: 978-3-96492-080-5.
2. Goyal, M., Singh, J., Kumar, P. and Sirohi, A. (2018). Pulses for Human Nutritional Security. In: Wani S., Jain M. (eds) Pulse Improvement. Springer, Cham Chapter 1: 1-11 https://doi.org/10.1007/978-3-030-01743-9_1
3. Kapoor, N. (2018). In Eco friendly agriculture enhancing crop productivity (Ed. Nigam, R., Singh J. and Singh R.) published by Annu Books Publications, Meerut (ISBN: 978-93-87922-51-8) pp: 1-360.
4. Kapoor, N. (2018). Sustainable Development for Agriculture and Environment. (Ed. Singh J., Nigam, R., Hasan, W. and Kumar, A.). Anu Books Publisher, New Delhi. (ISBN: 978-81-936088-2-1).
5. Kapoor, N. (2018). In Advances in Environment and Agriculture Biotechnology Weser Books Publications, Germany. pp: 1-489. ISBN: 978-3-96492-080-5.
6. Kapoor, N. (2019). In : Souvenir & abstracts book of National conference "Identification, convergence, implementation & extension of science-tech-research for sustainable development (ICIESSD-2019)", published by SVPUA&T, Meerut and NAMO society, New Delhi.
7. Kapoor, N., Goel, K., Nigam, R. and Singh, J. (2018). A Biotechnology intervention and their role in sustainable agriculture. In book entitled "Eco friendly agriculture enhancing crop productivity" (eds. Nigam, R., Singh J. and Singh R.) Annu Books Publications, Meerut (ISBN: 978-93-87922-51-8) pp: 126-143.
8. Kumar, S. Mishra S., and Singh B. (2019). Carbon isotope discrimination and water use efficiency in crop plants. Lambert Academic publishing. Europe. (ISBN: 978-620-0-11520-1)
9. Kumar, S., Kumar, P., Dixit, R. and Kapoor, N. (2018). A Brief Survey of Laboratory Instruments used in Biotechnological Research. In book entitled "Advances in Environment and Agriculture Biotechnology" (eds. Nigam R., Singh J., Hasan W. and Kapoor N.). Weser Books Publications, Germany. pp: 186-197. ISBN: 978-3-96492-080-5.
10. Mishra, S., Kumar, S. and Yadav, R. C. (2019). Somaclonal variation and transformation with cry1A(c) gene in tomato. Lambert Academic publishing. Europe. (ISBN: 978-620-0-21616-8).
11. Rana, S., Kumar, N., Kumar, A., Singh, J., Dixit, R. and Lakhera, K. (2018): Biotechnological approaches for sustainable agriculture in book entitled Eco-Friendly Techniques for Enhancing Crop Productivity CRC Press Taylor and Francis Group.

Hindi Articles

1. शर्मा संदीप, सिंह अमित कुमार , कपूर नीलेश एवं सेंगर आर. एस. (2018). गेंहू के बढ़तेउत्पादन से खाद्यान्न एवं पोषण सुरक्षा ।कृषि दर्शिका जुलाई–दिसम्बर पेज 3–6.
2. कपूर नीलेश, त्रिपाठी अम्बर, सिंह सौरभ एवं सेंगर आर. एस. (2019). स्वास्थ्य वर्धक गिलोरा (टीनोस्पोरा कार्डीफोलिया): जीवन दायिनी अमृत। कृषि जागरण 08 दिसम्बर 2018

Paper Presented in seminar and symposium:

1. Kumar, A., Singh, V. K., Yadav, S., Verma, A. K., Rahal, A. and Yadav, S. K. (2018). Need to develop safe and effective mastitis vaccine in country. Development of polymer gel based formalized combined mastitis vaccine. International Conference on GRISAAS, In : 28th-30th October, 2018, Raj. Agri. Res. Inst., Durgapura, Jaipur, Rajasthan.
2. Kumar, A., Verma A. K and Rahal A. (2019). FMD: Current scenario in country and a suggestive model for FMD forecasting. In : National Seminar on Recent tools and techniques to enhance productivity for sustainable rural developments during 19th- 20th, February, 2019, NDUAT, Kumarganj, Ayodhya, UP.
3. Rahal, A., Kumar, A. and Srivastava S. (2019). Herbs and herbal therapy for goat production and rural sustainability. In : National Seminar on Recent tools and techniques to enhance productivity for sustainable rural developments during 19th- 20th, February, 2019, NDUAT, Kumarganj, Ayodhya, UP.

College of Veterinary and Animal Sciences

Research articles

1. Kumar A., Ganguly A., Potliya S., Thakur Vipul, Singh H., Maharana B. R., Arora D. and Bisla. R.S. (2019). Haemato biochemical and electrolytes studies on clinical cases of rumen impaction in murrah buffaloes. Indian Journal of Animal Research. 53(4): 533-536.
2. Ahmed, I., Verma, A.K. and Kumar, A. (2018). Prevalence, associated risk factors and antimicrobial susceptibility pattern of Campylobacter species among dogs attending veterinary practices at Veterinary University, Mathura, India. Veterinary and Animal Sciences, 6: 6-11.
3. Anand, S., Ahmad, A.H., Telang, A.G., Kumar, D. and Pant, D. (2019). Ameliorating potential of Panax ginseng on oxidative stress following subacute exposure to Acetamiprid in rats. Journal of Animal Research.5:513-519.
4. Bayan, J., Kharadi, V., Ramani, U., Janmeda, M., Tyagi, K.K., Dangar, N. and Pandya, G. (2018). Genetic Polymorphism of Growth Hormone Gene Exon-4 in Surti and Mehsani Goats by PCR-RFLP. Indian Journal of Veterinary Science and Biotechnology. 14 (01): 28-33.
5. Bhat, M.A., Parwez, S., Wani, N.M., Sultana, M., Raina, R., Yousuf, M. and Pankaj, N.K. (2018). Effect of iNOX inhibitor aminoguanidine hemisulfate on amikacin induced consequences on antioxidant stress markers in wistar rats. Journal of Animal Research, 8(5): 909-913.
6. Bhat, M.A., Parwez, S., Wani, N.M., Yousuf, M., Sultana, M. and Raina, R. (2018). Ameliorative effect of free radical scavenger aminoguanidine hemisulfate on amikacin induced biochemical alteration in Wistar rats. Journal of Pharmacognosy and Phytochemistry. 7(4): 3285-3289.
7. Fahim, A., Kamboj, A., Sirohi, A.S. (2018). Standardization of pulsation ratio in crossbred cows milked in automated Herringbone milking parlour. Indian Journal of Animal Science. 88(12): 1416-1418
8. Fahim, A., Kamboj, A., Sirohi, A.S. (2018). Milking machine induced teat reaction in crossbred cows milked in automated Herringbone milking parlour. Indian Journal of Animal Science. 88(12): 1412-1415
9. Gangwar, C., Saxena, A., Patel, A., Singh, S.P., Yadav, S., Kumar, R. and Singh, V. (2018). Effect of reduced glutathione supplementation on cryopreservation induced cryoinjuries in Murrah bull semen. Animal Reproduction Science.192:171-178.
10. Gangwar, C., Saxena, A., Shukla, P.K., Singh, S.P., Patel, A., Antil, M. and Verma, A. (2019). Cryopeservation Induced Alteration in Sperm Morphology in Hariana Bull Semen. International Journal of Livestock Research. 9(2): 282-288.
11. Gupta, R.K., Swain, D.K., Singh, V., Anand, M., Choudhary, S., Yadav, S., Saxena, A. and Garg, S.K. (2018). Molecular characterization of voltage -gated potassium channel (Kv) and its importance in functional dynamics in bull spermatozoa. Theriogenology.114: 229-236.
12. Katoch, S., Verma, H., Garg, A and Singh, R. (2019). Aspergillosis in African Grey Parrot (Psittacus erithacus) in Private Aviary, Meerut, India. International Journal of Current Microbiology and Applied Sciences. 8(2): 1480-1483.
13. Koli, S., Prakash, A., Choudhury, S., Mandil, R. and Garg S.K. (2018). Calcium channels, Rho-kinase, protein kinase-C, and phospholipase-C pathways mediated mercury chloride -induced myometrial contractions in rats. Biological Trace Element Research. https://doi.org/10.1007/s12011-018-1379-x
14. Kumar, A., Gupta, V.K., Mandil, R., Verma, A.K., Rahal, A. and Yadav, S.K. (2018). Mapping of oxidative stress in immune response induced by polymer gelbased Brucella smelitensis vaccine in mice. Indian Journal of Animal Sciences. 88(7): 771-778.
15. Kumar, A., Mishra, A.K., Singh, V., Yadav, S., Saxena, A., Garg, S.K. and Swain, D.K, (2019). Molecular and functional insights into Transient Recptor Potential Vanilloid (TRPV1) in bull spermatozoa. Theriogenology.128: 207-217.
16. Kumar, A., Pattanaik, A.K., Baliyan, S., Dutta, N. and Jadhav, S.E. (2018). Nutritional and haemato-biochemical modulation in dairy goats during mid-pregnancy. Indian Journal of Animal Science. 88(8): 899-904.
17. Kumar, A., Yadav, D.K., Kumar, G., Yadav, M.K., Sachan, V. and Singh V. (2018).Congenitalfetal scoliosis in a ewe: A case report. Journal of Entomology and Zoology Studies.6(4): 796-798.
18. Kumar, A.,Thakur, V., Potliya, S., Singh, H., Ruhil, S., Ganguly, A., Maharana, B.R. and Bisla, R.S.(2019). Study on incidence, haemato biochemical changes and therapeutic management of post parturient haemoglobinuria in Murrah buffaloes. The Pharma Innovation Journal. 8(1): 147-150.
19. Kumar, P., Chatli, M.K., Mehta, N., Malav, O.P., Verma,A.K,, Kumar, D. and Rathour, M. (2018).Antioxidant and Antimicrobial Efficacy of Sapota Powder in Pork Patties Stored under Different Packaging Conditions. Korean Journal for Food Science of Animal Resources. 38(3):593-605.
20. Kumar, P., Mehta, N., Malav, O.P., Chatli, M.K., Rathour, M. and Verma, A.K. (2018). Antioxidant and Antimicrobial Efficacy of Water melon rind extract (WMRE) in aerobically packaged pork patties stored under refrigeration temperature (4±1°C). Journal of Food Preservation and

Preservation. DOI: 10.1111/JFP P.13757.
21. Kumar, P., Prakash, A., Farooqui, M.M., Singh, S.P. and Gupta, V. (2019). Differentiation of Dermal Muscle in Region of Prenatal Goat (Chin Capra hircus). International Journal of Current Microbiology and Applied Science. 8(3): 640-647.
22. Modi, L.M., Khasatiya, C.T., Patel, M.D., Tyagi, K.K. and Modi, F. (2018). Administration of vitamin E and selenium injection and its abiding effect on calf Prepartum weight, placental weight and expulsion time of fetal membrane in Surti buffaloes. Indian Journal of Animal Health. 57(2): 195-200.
23. Nishant, Prakash, A., Farooqui, M.M. and Kumar, P. (2018). Topography and Biometric Studies of Prenatal Goat Spleen at Different Gestational Age. Indian Journal of Veterinary Anatomy. 30(2): 80-82. 49.
24. Patel, A., Kumar, B., Sachan, V., Yadav, S., Yadav, D., Kumar, A. and Saxena, A. (2019). Atypical cyclopia associated with arhinia in buffalo calf and its management through fetotomy. Buffalo Bulletin. 38(1): 189-163.
25. Patel, H.K., Patel, D.K., Kalyani, I.H., Kumar, N., Tyagi, K.K. and Sorathiya, L.M. (2018). Incidence of Anaplasmosis in Buffaloes in and Around Navsari and Efficacy of Diagnostic Tests. Indian Journal of Veterinary Science and Biotechnology. 14 (01): 17-21.
26. Pathak, D.C., Bharti, M.K., Chandra, D. and Gaur, A.K. (2018). Ornithine amino transferase (OAT) and 1-pyrroline 5-carboxylic acid synthetase (P5CS) in context to 2-Acetyl-1-Pyrroline (2-AP) in the seedlings of fragrant and non-fragrant rice genotype(s).International Journal of Chemical Studies. 6(5): 2348-2352.
27. Pratap, J. (2018). Constraints and suggestion of beneficiaries under mini kamdhenu dairy scheme (MKDS) in Lucknow Mandal UtttarPradesh.The Pharma Innovation Journal. 7(7): 458-460.
28. Pratap, J. (2018). Training willingness of beneficiaries under mini kamdhenu dairy scheme in Lucknow Mandal of Uttar Pradesh. Journal of Krishi Vigyan. 7 (Special Issue): 1551-158.
29. Ranjan, K. and Singh, R. (2018). Dog Nose to E-Nose in Disease Diagnosis. Journal of Advance Biology. 11: 294-2306.
30. Rehalia, T., Kumar, V., Roy, D., Kumar, M., Kushwaha, R. and Vaswani, S. (2018). Effect of neem oil treated urea supplementation on growth performance of heifers. Indian Journal of Dairy Science.71(4): 416-421
31. Shah, N., Yadav, H.P., Verma, M., Kumar, B., Singh, V. and Saxena, A. (2018). Extraction of mummified fetus in indigenous cattle by caesarean section: A case report. Journal of Experimantal Zoology. India. 21(2):733-735.
32. Sharma, L., Verma, A.K., Kumar, A. and Yadav, S.K. (2019). Prevalence of biofilm forming Staphylococcus aureus in clinical specimen from human and animals. Multilogic in Science. VIII (special issue): 230-233.
33. Singh, A., Kumar, M., Kumar, V., Roy, D., Khushwaha, R., Vaswani, S. and Kumar, A. (2018). Effect of Nickel utilization on antioxidant status, immune characterization and energy and lipid metabolism in growing cattle. Biological Trace Element Research. DOI: 10.1007/s12011-018-1524-6
34. Singh, A., Yadav, S.K., Verma, A.K. and Singh, C.P. (2019). Prevalence and distribution of Foot-and-Mouth Disease virus serotypes in bovines of Uttar Pradesh. Multilogic in Science. VIII (special issue): 38-40.
35. Singh, D.K., Singh, M.K., Singh, P.K., Kumar, A. and Fahim, A. (2018). Comparitive performance of CARI Nirbeek, Hitcari and CARI Shyama bird under backyard system of rearing in western Uttar Pradesh, India. The Journal of Rural and Agricultural Research. 18(2): 39-41.
36. Singh, H., Ali, N., Singh, R., Rajkumar, Sahu, D.S., Siddique, R.A. and Bharti, M.K. (2018). Effect of different Herbal Feed Additives in Live Weight of Broiler Chicken. International Journal of Chemical Studies.6(4): 1580-1583.
37. Singh, S.P., Katiyar, R.S., Farooqui, M.M., Kumar, P. and Prakash, A. (2018). Postnatal development of the duodenum in guinea fowl (*Numida melagaris*). Indian Journal of Poultry Science. 53(1): 98-102. 13.
38. Singh, V., Yadava, C.L., Patel, A. and Kumar, A. (2018). Abnormalities in Hariana bull spermatozoa in relation to seasonal variation. Trends in Biosciences. 11(21):2983-2985.
39. Singh, V.P., Pathak, V., Umaraw, P. and Verma, A.K. (2018). Comparative Profile of Barbari (Capra AegagrusHircus) Chevon, Kadaknath (Gallus Gallus Domesticus) and Indian Buffalo (Bubalus Bubalis) Meat. Buffalo Bulletin. 37(4): 503-511.
40. Srivastava, S., Patel, A., Gautam, V., Sharma, P., Singh, N., Singh, N.K. and Verma, S.P. (2018). Dystocia due to monozygotic twin monster in Murrah buffalo. Theriogenology Insight. 8(1):1-4.
41. Tyagi, A., Sangwan, D.C., Kumar, A., Singh, D.K., Sirohi, R. and Jaiswal, V. (2019) Fermentative activity of bovine fungi in-vitro with wheat straw substrate in response to levels and sources of sulphur supplementation. Progressive Agriculture. 19(1): 93-98.
42. Vaswani, S., Kumar, V., Roy, D., Kumar, M. and Khushwaha, R. (2018). Copper supplementation on performance, nutrient utilization, blood biochemical and plasma mineral status of growing Hariana heifers. Indian Journal of Animal Science. 88(7): 812-818.
43. Verma, A.K., Chatli, M.K., Kumar, P. and Mehta, N. (2018). Effects of inclusion of porcine blood hydrolysate on physicochemical quality, oxidative and microbial stability of pork batter stored at (4±1

C). Journal of Food Science and Technology. https://doi.org/10.1007/s13197-018-3409-2. 55 (4758-4769)

44. Verma, A.K., Singh, A. and Kumar, A. (2018). Therapeutic Management of abomassal tympany in neonatal calf. Multilogic in Science. VII (special issue): 324-325.
45. Verma, M., Shah, N., Yadav, H.P., Patel, A. and Saxena A. (2018). Cesarean section of non - descript cattle due to conjoint twins (Dicephalus ThoracopagusTetrabrachiusTetrapus) Monster calves: A case report. Journal of Experimanetal Zoology India. 21(2):701-703.
46. Yadav, B., Shukla, P., Bhattacharyya, A., Roy, D., Sharma, A., and Sirohi, R. (2018). Effect of Graded Levels of Shatavari Root Meal on the Body Weight, Feed Conversion Ratio, Biochemical Attributes and Immune Competence Traits of Coloured Chicken. International Journal of Livestock Research.8(10): 115-123.
47. Yadav, C.L., Saxena, A., Yadav, B., Singh, V., Reddy, A.V.S., Patel, A., Kumar, A. and Yadav, S. (2018). Effect of Sericin supplementation on semen quality of cryopreserved Hariana bull semen. Ruminant Science.7 (1): 93-96.
48. Yadav, D., Kumar, B., Patel, A., Sachan, V., Yadav, S., Kumar, A., Kumar, A. and Saxena, A. (2019). Partial fetal mummification in Murrah buffalo associated with prolonged gestation. Buffalo Bulletin. 38(2): 383-387
49. Yadav, D., Kumar, V., Patel, A., Yadav, S.S., Kumar, A., Kumar, B. and Saxena, A. (2018). Per-vaginal delivery of Perosomuselumbisfetus along with arthrogryposis in she buffalo. Buffalo Bulletin. 37(3):449-451.
50. Yadav, D., Singh, V., Patel, A., Yadav, S.S., Ojha, A.K., Kumar, A., Yadav, S., Kumar, B., Yadav, B. and Saxena, A. (2019). Effect of glutathione on membrane integrity of bovine spermatozoa during cryopreservation of extended semen in tris-based diluter. The Pharma Innovation. 8(6): 734-738.
51. Yadav, D., Singh, V., Yadav, S.S., Patel, A., Kumar, A., Kumar, A., Sonkar, V., Kumar, A., Yadav, S., Kumar, B., Yadav, B., and Saxena, A. (2019). Effect of glutathione on viability and progressive motility of Hariana bull spermatozoa during cryopreservation in semi-arid region. The Pharma Innovation. 8(6): 871-876
52. Yadav, D., Singh, V., Yadav, S.S., Patel, A., Kumar, A., Kumar. A., Yadav, S., Kumar, B., Yadav, B., Pandey, R.P. and Saxena, A. (2019). Effect of glutathione on viability and acrosomal integrity of bovine spermatozoa during graded cryopreservation. Journal of Pharmacognosy and Phytochemistry. 8(3): 4796-4800.
53. Yadav, S., Kumar, A., Yadav, S.K., Singh, V.K., Verma, A.K., Gururaj, K. and Rahal, A. (2018). Formulation of nanoparticle polymer gel based bivalent mastitis vaccine and its safety studies in mice mastitis model. Multilogic in Science. VII (special issue): 262-266.
54. Yadav, S.S., Patel, A., Sachan, V., Yadav, R., Yadav, D. and Singh, V. (2019). Dystocia due to unilateral muscular hypertrophy of fetal shoulder and fore limb in a Murrah buffalo. Haryana Veterinarian. 58(SI): 125-126. Ist Edition; ISBN: 978-93-86200-73-0, Satish Serial Publishing House, 403 Express Tower, Commercial Complex, Azadpur, Delhi.

Books/Book Chapters

1. Mandil, R. and Prakash, A. (2018). Adoption of Traditional indigenous practice to maintain livestock health to reduce cost of modern medicine in India. Doubling farmers income through animal husbandry. Editor. Sanjeev Kumar Singh and Satish K. Garg, Publisher- Satisih Serial Publishing House. ISBN - 978-93-88020-20-6. Page: 161-176.
2. Prakash, A., Mandil, R. and Garg, S.K. (2018). Use of approved Ethno-veterinary products and practices. In Artificial Insemination in bovine and Livestock Management. Editor. Sanjeev Kumar Singh and Satish K. Garg, Publisher- Satisih Serial Publishing House. ISBN - 978-93-88020-18-3. Page: 169-194.
3. Singh, R. and Srivastava, A.K. (2019). Pashuon main hone wale pramukhrogon ka nidanevamsamadhan,
4. Singh, R., Verma, P.K. and Srivastava, A.K. (2018). PadapJanitAavishaluta Evam Rog; ISBN: 978-93-86200-69-3, Satish Serial Publishing House, 403 Express Tower, Commercial Complex, Azadpur, Delhi
5. Verma, H., Rawat, M. and Verma, R. (2018). Molecular and bioinformatics perspective for Pasturellamultocida infection (Haemorrahgic Septicaemia) and pasteurellosis in animals - Book Chapter, Contemporary Issues in Animal & Veterinary Sciences, Satish Serial Publishing House. ISBN No. 9789388020015.
6. अतुल प्रकाश एवं राजेश मांडिल (2018) गोवंशों मे विशाक्तता उत्पन्न करने वाले तत्वों की पहचान एवं बचाव के प्राथमिक उपाय. गोपालनः संपादक–संजीव कुमार सिंह, सतीश कुमार गर्ग, गुलशन कुमार, पी. के. शुक्ला. प्रकाशन संस्थाः सतीश सीरियल पब्लिशिंग हाउस आई0एस0बी0एन0 978.93.88020. 17.3. पेज : 119–134.
7. रोजगारोन्मुख आद्युनिक कुक्कुट पालन, संपादक डी0 के0 सिंह, अमित कुमार, मनोज कुमार सिंह एवं अहमद फहीम

AWARDS AND RECOGNITIONS

College of Agriculture

1. Dr. Bijendra Singh, Professor received Life time Achievement-2018 organised by Motherhood University, Roorkee.
2. Dr. Bijendra Singh, Professor received Life time Achievement-2018 organised by Indian Institute of Farming System Research.
3. Dr. Bijendra Singh, Professor received Excellence in Agricultural Research -2018 organised by Scientific Educational Research Society, Meerut.
4. Dr. Bijendra Singh, Professor received Excellence in Science Communication-2018 organised by Biologix Research and Innovation Centre.
5. Dr. Arvind Kumar, Assistant Professor received Certificate of appreciation-2018 organised by SVPUA&T, Meerut-250110.
6. Dr. Satya Prakash, Professor received Outstanding Achievement Award -2018 organised by Agriculture Technology development society, Ghaziabad.
7. Dr. Satya Prakash, Professor received Sumer Memorial Award 2018 organised by Soil Conservation Society of India New Delhi.
8. Dr. Satya Prakash, Professor received First Stall Award 2018 To K.V.K. GBD in Group of University KVKs organised by SVPUA&T, Meerut-250110.
9. Dr. Satya Prakash, Professor received Fellowship Award 2018 organised by SRDA, Meerut.
10. Dr. Satya Prakash, Professor received Best Oral Presentation Award 2018 organised by HTHS Meerut.
11. Dr. Satya Prakash, Professor received Life Time Achievement Award 2018 organised by S&T, SIRI Bangalore.
12. Dr. Bijendra Singh, Professor received Eminent Scientist Award-2018
13. Dr. Mukesh Kumar, Associate Professor received Excellence in teaching award-2018 held by Society for Scientific and Social development, Meerut.
14. Dr. Mukesh Kumar, Associate Professor received Scientist of the year award 2018 held by Agro-environmental Development Society.
15. Dr. Vaishali, Associate Professor received Certificate of Appreciation-2018 for Organizing annual sports meet SPARDHA 2018 of SVPUA&T, Meerut
16. Dr. Vaishali, Associate Professor received Best poster award 2018 held by Society for Scientific and Social Development, Meerut.
17. Dr. Vaishali, Associate Professor received Award of Honour 2018 held by Society for Scientific and Social Development, Meerut.
18. Dr. Satendra Kumar, Professor received "Fellow Award-2018" by Agriculture Development Society, Ghaziabad in the International conference on Advances in Agriculture, Biological Sciences for Sustainable future (ABAS-2018) at Swami Vivekanand Subharti University Meerut on 20-22 October, 2018.
19. Dr. Satendra Kumar, Professor received "Outstanding Achievement Award-2018" by Agro Environmental Development Society, Rampur on the occasion of International conference on Emerging Issues in Agriculture, Environmental & Applied Sciences for Sustainable Development (EIAEASSD-2018) at Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad on 27-29 November, 2018.
20. Dr. Satendra Kumar, Professor received 2nd position in paper presentation in International conference on Emerging Issues in Agriculture, Environmental & Applied Sciences for Sustainable Development (EIAEASSD-2018) at Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad on 27-29 November, 2018.
21. Dr. U.P. Shahi, Associate Professor, received Best poster presentation award during Global Cleanup Congress 2018 from 22-24 October at Le Meridian Coimbatore.
22. Dr. B. R. Singh received Dr. Nonihal Singh memorial award-2018 on Recent development in agriculture.
23. Dr. B. R. Singh received Eminent scientist award-2019 held by Agricultural Technology Development Society.
24. Dr. Neelesh Chauhan received Scientist of the Year Award-2018 held by Hi-Tech Horticultural Society, Meerut in Global Meet.
25. Dr. S.K. Singh received Excellence in Teaching Rajasthan Agricultural Research Institute, Durgapura, Jaipur (Rajasthan).
26. Dr. S.K. Singh received National Fellow Award New Age Mobilization Society, New Delhi.
27. Dr. P.K. Singh received Outstanding Achievement Award-2018 held by International Conference on Food & Agriculture Dhanbad.
28. Dr. K.G. Yadav received Outstanding Achievement Award-2018 held by International Conference on Food & Agriculture Dhanbad.
29. Dr. Mohan Lal received Arya Bhatt Scientist Award for 2018 in National seminar on water conservation organized on 21.08.2019 by Samaj Vikas Sansthan Meerut in the presence of ADM Meerut Smt Purnima Agrawal & Hon'ble M.L.C Meerut Smt Sarojani Agrawal.
30. Dr. Vivek received Life Time Achievement Award (2018) held by the Society for Scientific & Social Development (SSSD) Meerut.
31. Dr. Mukesh Kumar received Oral presentation Award (2018) held by International Conference on

Food & Agriculture Dhanbad.

32. Dr. Dan Singh, Assoc. Prof. received Fellow award held by Agricultural Technology Development Society, Ghaziabad, Uttar Pradesh (India). International conference on "Advances in Agricultural, Biological and Applied Sciences for Sustainable Future (ABAS-2018) at Swami Vivekanand Subharti University, Meerut (U.P.) India 20-22 October, 2018.
33. Dr. V.K. Singh received N.S.S. Programme Officer Performance Award; NSS State Cell Gujarat and NSS Regional directorate, Ahmadabad at Govt. Engineering College Chand Khera Ahmadabad Govt. Engineering College Chand Khera Ahmadabad 12-18 August, 2018.
34. Dr. Archana Bhatnagar received Distinguished Scientist Award-2018 organized by Society for Scientific Development in Agri. & Tech., Meerut.
35. Dr. Archana arya received Best Mobilizer Award-2019organised by New Age Mobilization Society, New Delhi 2019.
36. Dr. Vineeta Verma received Outstanding Women Scientist Award-2018 organized by Life Sciences Society, Hyderabad, India.
37. Dr. Vineeta Verma received Distinguish Scientist Award-2018 organized by Society for Recent Development in Agriculture.
38. Dr. Deepak Sissodia received Young Scientist Award-2019organised by New Age Mobilization Society, New Delhi 2019.
39. Dr. S.K. Sachan Conferred Life Time Achievement Award April 2019 organized by New Age Mobilization Society, New Delhi.
40. Dr. G. Singh received Appreciation LetterApril-2019 organized by New Age Mobilization Society, New Delhi.
41. Dr. D.V. Singh received Appreciation LetterApril-2019 organized by New Age Mobilization Society, New Delhi.
42. Dr. D.V. Singh received Fellowship awardMarch 2019 organised by Noni Sciences, Chennai.
43. Dr. Hem Singh received Scientist of the Year 23-24 Feb 2019 organised by MPS Group of Institutions Dr B.R. Ambedkar University, Agra U.P.
44. Dr. R.S. Senger received Best Scientist Award for Sugarcane development - 2018, given by NCR Journalist Association, Meerut
45. Dr. R.S. Senger received Emerging Scientist Award - 2018 organized by Agricultural Technology development society (ATDS) Ghaziabad(U.P.)
46. Dr. Hem Singh received Best trainee Award 6-15, 07, 2019 organised by Agri Enterpreneurership, IIFSR, Meerut.
47. Dr. Rajendra Singh received Global Scientist Award-2019 at Agricultural Technology Development Society (ATDS) Ghaziabad, Uttar Pradesh in 3rd International conference on Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019) scheduled to be held on June 16-18, 2019 at Conference Hall, Tribhuvan University, Kathmandu, Nepal.
48. Dr. Rajendra Singh received Distinguished Scientist Award-2019 at United Lightnight Vision Association, second Main Rd. Kavery Nagar, Bengaluru, Karnataka, 560017, India. International Conference of Food Agriculture and Innovation (ICFAI) at Bangkok-Pattyta, Thailand (June 19-23, 2019)
49. Dr. Hem Singh Honored by Scientist of the Year In the National Conference on Resilence and Resource Management Including ICT for Sustainable Agriculture& Biotechnology organized by MPS Group of Institutions Dr B.R. Ambedkar University, Agra U.P held during 23 & 24 Feb. 2019.
50. Dr. Hem Singh Awarded with "Best trainee Award" by IIFSR, Modipuram, Meerut during Short course Training Programme on Empowerment of Small and Marginal Women farmers through Agri Enterpreneurership. Nheld during 06.07.2018 to 15.07.2018.
51. Dr. Hem Singh Honored by "Certificate of Appreciation" by Hon'ble Vice Chancellor during University annual sport meet.
52. Dr. Nazim Ali received the Outstanding Achievement Award-2019 organised by ATDS Ghaziabad /received during 3rdInternational Conference on Global Initiatives in Agricultural and Applied Sciences for Eco-Friendly Environment Kathmandu, Nepal.

College of Biotechnology

1. Dr. Anil Sirohi received Dewang Mehta Educational Leadership Award2018 during 26th Dawang Mehta Business School award programme in Lucknow on 18th September 2018.
2. Dr. Rekha Dixit received Excellence in Teaching Award-2019 organised by Agricultural Technology Development Society (ATDS) Ghaziabad.
3. Dr. Sweta Mishra received Young Scientist Award-2018 organized by the society of Tropical Agriculture, New Delhi.
4. Dr. Sweta Mishra received Young Scientist Award-2019 organised by New Age Mobilization Society, New Delhi.
5. Dr. Neelesh Kapoor received Young Scientist Award 2019 organised by New Age Mobilization Society, New Delhi.
6. Dr. Neelesh Kapoor, Assistant Professor was awarded with Fellow Award 2019 at 3rd International Conference on "Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019), June 16-18, 2019, by Agricultural Technology Development Society (ATDS), at Tribhuvan University, Kathmandu, Nepal.
7. Dr. Naresh Pratap Singh, Assistant Professor was awarded with Young Achiever Award 2019 at 3rd

International Conference on "Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019), June 16-18, 2019, by Agricultural Technology Development Society (ATDS), at Tribhuvan University, Kathmandu, Nepal.

College of Veterinary and Animal Sciences

1. Dr. M.K. Shukla received the Best Oral presentation of research paper2018 organised by Society of Andrology: India.
2. Dr. M.K. Shukla received Distinguished Scientist Award-2018 organised by Agro-environment development society.
3. Dr. Amit Kumar Verma received Excellence in Teaching Award-2018 organised by GRISAAS 2018.
4. Dr. K Ranjan received Best Paper award-2018 organised by Society for Veterinary Science & Biotechnology.
5. Dr. Arbind Singh received Young Scientist Award-2018 organised by GRISAAS.
6. Dr. Vineet Kumar received Best paper award-2018 organised by ISVS.
7. Dr. Vineet Kumar received Best paper award-2018 organised by Society for Veterinary Science & Biotechnology.
8. Dr. Surabhi Tyagi received Gold Medal for best poster-2018 organised by ISVS.
9. Dr. Surabhi Tyagi received Best oral presentation award-2019 organised by ISBD.
10. Dr. V.P. Singh becomes the Executive Member 2018-19 for Indian Meat Science Association (IMSA).
11. Dr. D.K. Singh received Fellowship Award 2018 organised by Society for Research & Development in Agriculture.
12. Dr. D.K. Singh received Appreciation-2019 organised by GOI, Ministry of MSME, New Delhi.
13. Dr Vipul Thakur received Scientist of the Year Award-2018 organised by SSDAT, Meerut.
14. Dr. A Fahim received Best oral paper presentation-2019 organized by ISAPM.

CONFERENCES/ SEMINARS/SYMPOSIA/ TRAININGS PARTICIPATED

College of Agriculture

International

1. Dr. B. R. Singh attended 2nd Global Meet on Science and technology for ensuring quality life (GMST-2018) held during 13-17 Nov, 2018 at Bali (Indonesia).
2. Dr. B. R. Singh attended 3rd International Conference on Global Initiative in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019) held during 16-18 June, 2019 at Tribhuvan University, Kathmandu- Nepal.
3. Dr. Neelesh Chauhan attended International Conference on 2nd Global Meet on Science and Technology for Ensuring Quality Life (GMST-2018) during 13-17 November, 2018 at Aston Kuta Hostel & Residence, Indonesia.
4. Dr. Mukesh Kumar attended Ist Indo-Asian Conference on Innovative Approaches in Applied Sciences and Technology held from 13 - 17 June 2018 at Nong Lam University, Ho Chi Minch City, Vietnam as Co-Organizing Secretary.
5. Dr. Mukesh Kumar attended 2nd international conference on Global Initiatives in Agricultural, and Applied Sciences for Eco-friendly Environment (GIASE -2019) held on June, 16-18, 2019 at Conference Hall Tribhuvan University, Kathmandu, Nepal
6. Dr. Satya Prakash attended 2nd Global Meet on Science & Technology for Ensuring Quality Life (GMST-2018) during 13-17 Nov, 2018 organized by SRDA, Meerut held at Bali Indonesia
7. Dr. Satya Prakash attended 3rd International Conference on Global Initiatives and Applied Science for Eco Friendly Environment (GIASE-2019) during 16-18 June2019 organized by ATDS Ghaziabad held at Tribhuvan University Kathmandu Nepal.
8. Dr. Rajendra Singh attended 3rd International Conference on Global Initiatives and Applied Science for Eco Friendly Environment (GIASE-2019) during 16-18 June2019 organized by ATDS Ghaziabad held at Tribhuvan University Kathmandu Nepal
9. Dr. Rajendra Singh attended International Conference of Food Agriculture and Innovation (ICFAI) at Bangkok-Pattyta, Thailand (June 19-23, 2019)

National

1. Dr. M.K. Yadav attended workshop on Journey towards System Biology, Biocomputing of High-Throughput Omics Data 08-11 October, 2018 at Department of MBGE, GBPUA&T, Pantnagar, Uttarakhand
2. Dr. Satyendra Kumar attended Brain storming Workshop on Elevated Temperature & its Impact on Fragrance of Basmati Rice & strategies for mitigation on 02.01.2019 organized by COB, SVPUAT, Meerut.
3. Dr. Satyendra Kumar attended XXV Annual Workshop of KVKs (Zone III) on 23-24, August, 2018 at SVPUAT, Meerut.
4. Dr. Satyendra Kumar attended 2nd International Conference on Advances in Agriculture, Biological Sciences for Sustainable future (ABAS-2018) at

Swami Vivekanand Subharti University Meerut on October 20-22, 2018 and received Fellow Award-2018 by Agriculture Development Society, Ghaziabad.

5. Dr. Satyendra Kumar attended International Conference on Emerging Issues in Agriculture, Environmental & Applied Sciences for Sustainable Development (EIAEASSD-2018) at Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad on November, 27-29, 2018 and got 2nd position in paper presentation and also received Outstanding Achievement Award-2018 by Agro Environmental Development Society, Rampur.
6. Dr. Satyendra Kumar attended 2nd International Conference on Advances in Agriculture, Biological Sciences for Sustainable future (ABAS-2018) at Swami Vivekanand Subharti University Meerut on October 20-22, 2018 and received Fellow Award-2018 by Agriculture Development Society, Ghaziabad.
7. Dr. S. P. Singh attended National Conference on Managing Natural Resources for Sustainable Agricultures held on 8-9th, December 2018 at Rao Krishan Pal Singh Auditorium, R.B.S. College, Agra, (U.P).
8. Dr. S.P. Singh attended one day Annual Workshop on Export Hetu Basmati Rice ke Production Me Gunvattasudhar, Basmati Export Development Foundation (APEDA) from 28th September, 2018 at SVPUA & T, Meerut.
9. Dr. U.P. Shahi participated in Roundtable on Framework for Remediation and Management of Water Contaminants organized by CRC CARE Australia on 18 January 2018 at Amity University Haryana.
10. Dr. U.P. Shahi participated in one day National Seminar on Rural Empowerment for New India Mission 2022 on 10 August 2018 at Convention Center, JNU, New Delhi.
11. Dr. U.P. Shahi participated in National Seminar on Smart Technologies to boost Farm Profitability and Socio-economic Status of Rural India from 19-20 November 2018 at SKUAST-J. Jammu.
12. Dr. U.P. Shahi delivered a lecture on Crop Residues Management in the Farmers Meeting at KVK Muzaffarnagar during 1-6 October 2018
13. Dr. Jaivir Singh attended 10 days ICAR sponsored short course on Empowerment of Small and Marginal Women Farmers through Agri-Entrepreneurship during 06-15 July, 2018, organized at ICAR - Indian Institute of Farming Systems Research Modipuram, Meerut-250110.
14. Dr. Suresh Chandra attended one day conference on "Impact of Food Processing Sector on Indian Economy" on 13 April 2018 at India International Centre, 40 Max Mueller Marg, New Delhi -110003 organized by AFST (I) Delhi chapter, in collaboration with Knowledge Partners of Suman Project Consultants and RK Media and Communication.
15. Dr. Suresh Chandra participated and paper presented (poster) in 2nd National Conference on Recent innovations and Technological developments in Food Science and Technology (AMIFOST-2018) at Amity University, Noida on dated 28 Sept., 2018.
16. Dr. Neelesh Chauhan attended National Seminar on Environment and Health held on 08 April, 2019 at CCS University, Meerut.
17. Dr. Neelesh Chauhan attended Workshops on Elevated Temperature and its Impact on Fragrance of Basmati Rice and Strategies for Mitigation held on Feb. 02, 2019 at SVPUA&T, Meerut.
18. Dr. Mukesh Kumar as Chairman: Technical session I, theme I of 2nd International conference on Advances in Agricultural, Biological and Applied Sciences for Sustainable Future (ABAS -2018)" held on October 20-22, 2018 at Sardar Patel Auditorium, Swami Vivekananda Subharti University, Meerut, Uttar Pradesh, India
19. Dr. Mukesh Kumar as Executive Chairman: 2nd International conference on Advances in Agricultural, Biological and Applied Sciences for Sustainable Future (ABAS -2018) held on October 20-22, 2018 at Sardar Patel Auditorium, Swami Vivekananda Subharti University, Meerut, Uttar Pradesh, India
20. Dr. Mukesh Kumar as Co-chairman of Technical Session in 2nd International conference on Advances in Agricultural, Biological and Applied Sciences for Sustainable Future (ABAS -2018)" held on October 20-22, 2018 at Sardar Patel Auditorium, Swami Vivekananda Subharti University, Meerut, Uttar Pradesh, India
21. Dr. Mukesh Kumar attended Brainstorming Workshop on Elevated Temperature and its Impact on Fragrance of Basmati Rice and Strategies for Mitigation held on 02/02/2019 at SVPUAT, Meerut.
22. Dr. Satya Prakash attended 2nd International Conference on Advance in Agricultural, Biological & Applied Science for Sustainable Future (ABAS-2018) during 20-22 Oct., 2018 organized by ATDS Ghaziabad held at Subharti University, Meerut.
23. Dr. Satya Prakash attended International Conference on Doubling Farmers Income during 26-28 Oct., 2018 organized by UPCAR and Dept. of Agriculture Lucknow held at IISR Lucknow
24. Dr. Satya Prakash attended National Conference on Promoting and Reinvigorating Agri-Horta Technological Innovationsduring 15-16 Dec, 2018 held at Jaipur
25. Dr. Satya Prakash attended 28th National Conference of SCSI New Delhi on Farmers Friendly soil and Water conservation Technologies for

Mitigating Climate change Impact" during 31 Jan, -02 Feb, 2019 held at Regional Centre SCSI Tamil Nadu.

26. Dr. Satya Prakash attended National Conference on Identification, Convergence, Implementation and extension of Researchable issues for Sustainable Development (ICIESSD-2019) during 20-21 April, 2019 organized by NAMO Society New Delhi & SVPUA&T, Meerut held at SVPUA&T, Meerut
27. Dr. Bijendra Singh delivered an invited lecture on Bio technological Analysis of Vegetables during 28/04/2018 to 29/04/2018 at JNU New Delhi
28. Dr. Arvind Kumar Delivered a lecture entitled Nursery Establishment for Fruit Crops: An Option for Pioneering Women Enterprise on 14 July, 2018 in the Short Course on Empowerment of Small and Marginal Women Farmers through Agri-Entrepreneurship organized by ICAR, New Delhi and held at ICAR- Indian institute of farming system, Modipuram (Meerut) from 6th to 15th July, 2018
29. Dr. Arvind Kumar Delivered a lecture on Food Processing in a Training Programme, organized by Deptt. of Horticulture (Haryana) at Farmers Hostel, SVPUA&T-Meerut on dated 26.03.2019.
30. Dr. S.K. Singh, attended International Conference on Global Research Initiatives for Sustainable Agriculture and Allied Science organized by Rajasthan Agricultural Research Institute, Durgapura, on 28-30 October 2018, Jaipur (Rajasthan)
31. Dr. L.K. Gangwar, Dr. S.A. Kerkhi, Dr. Pooran Chand, Dr. S.K. Singh and Dr. Atar Singh attended a lecture on Science Technology and Innovation for Building a Zero Hunger India by Prof. R.B. Singh in the Dr. Norman E. Borlaug lecture series on the occasion of World Food Day on 16.10.2019 at Department of Genetics and Plant Breeding, Chaudhary Charan Singh University, Meerut
32. Dr. L.K. Gangwar, Dr. S.A. Kerkhi, Dr. Pooran Chand, Dr. S.K. Singh and Dr. Atar Singh participated in International Symposium on 100 Years of Wheat Cytogenetics": Its Impact on Crop Improvement held on 3-4 November 2018 at department of Genetics and Plant Breeding, Ch. Charan Singh University, Meerut
33. Dr. L.K. Gangwar participated and acted as convener in XXV Annual Workshop of KVKs (Zone-III) of Uttar Pradesh held at SVPUA&T, Meerut during August 23-24, 2018.
34. Dr. L.K. Gangwar participated in one day workshop on Quality Improvement in basmati Production for Export Quality held on 28.09.2018 jointly organized by BEDF and SVPUAT, Meerut
35. Dr. Atar Singh attended 2ndInternational Conference on Advances in Agriculture. Biological and Applied Sciences for Sustainable Future held at Swami Vivekanand Subhari University, Meerut during 20-22 October, 2018.
36. Dr. L.K. Gangwar, Dr. Pooran Chand and Dr. S.K. Singh participated in Brainstorming Workshop on Elevated Temperature and its Impact on Fragrance of Basmati Rice and Strategies for Mitigation held on 2.02.2019 organized by College of Bio technology, SVPUAT, Meerut
37. Dr. Atar Singh attended training programme entitled New Innovations in Improvement of Vegetable Crops held on at Centre of Advanced Faculty Training in Horticulture, Department of Vegetable Science, Dr. Y.S. Parmar University of Horticulture and Forestry Nauni, Solan (H.P.) during 05-25 September, 2018.
38. Dr. Atar Singh attended short training course entitled Crop Diversification for Resilience in Agriculture and Doubling Farmers Income held on at IARI, New Delhi during 25.01.2019 to 03.02.2019.
39. Dr. Prerna Sharma completed Twelve (12) week on line course certified by NPTEL (Funded by ministry of HRD, Gov of India from Jan-April 2019.
40. Dr. Rashmi attended one-day Workshop on Role of Immunology on Societal Health conducted by College of Biotechnology, SVPUA&T, Meerut on 29.04.2019.
41. Dr. Archana Bhatnagar attended International Conference (GRISAAS-2018) on Global Research Initiatives for Sustainable Agriculture and Allied Sciences organized by Society for Scientific Development and Agriculture in collaboration with Aastha Foundation, Meerut held at Rajasthan Agriculture Research Institute (RARI), Jaipur (Rajasthan) from November 28- 30, 2018.
42. Dr. Archana Arya and Dr. Deepak Sissodia attended one-day Seminar on Environment & Health organized by CCS University, Meerut on 8th April, 2019.
43. Dr. Archana Arya attended two Days Conference-Cum Consolation Workshop on Impacts on Environment, Ecosystems, Biodiversity and Natural Resources, June 14-15, 2019.
44. Dr. Prerna Sharma attended and presented a research paper in International Conference at held at AKGEC, Ghaziabad during April 24-25, 2019.
45. Dr. Hem Singh, Associate Professor, Entomology participated in the programme Resham KEET PALAN telecasted live under HELLO KISHAN programme on 19th April 2018 at 6:00 to 7:00 P.M. of DD Kishan Channel, New Delhi in the farming community welfare.
46. Dr. S.K. Sachan Organized 25th Annual Zonal Workshop of KVKs (zone III) of U.P. at S.V.P.U.A.T. Meerut, August 23-24, 2018
47. Dr. S.K. Sachan Organized Mid Term Review Workshop of KVKs at Directorate of Extension S.V.P.U.A.T. Meerut Nov 22-23, 2019
48. Dr. S.K. Sachan Organized National Symposium on in dentification, Convergence, Implementation and

Extension of Researchable issues for Sustainable Development (ICIESSD- 2019) at S.V.P.U.A.T. Meerut, April 20-21,2019

49. Dr. Rajendra Singh Attended United Light night Vision Association, second Main Rd. Kavery Nagar, Bengaluru, Karnataka, 560017, India. International Conference of Food Agriculture and Innovation (ICFAI) at Bangkok-Pattyta, Thailand (June 19-23, 2019)
50. Dr. Rajendra Singh attended Brainstorming workshop on Elevated Temperature and its Impact on Fragrance of Basmati Rice and Strategies for Mitigation at College of Biotechnology, SVPUA &T., Meerut held on February 2, 2019, Organized by College of Biotechnology,SVPUA&T., Meerut and Dayal Fertilizer Pvt. Ltd., Meerut, (U.P.) India

College of Biotechnology

International

1. Dr. Rekha Dixit attended 3rd International Conference on Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019), JUNE 16-18,2019, Organized by Agricultural Technology Development Society (ATDS) Ghaziabad, at Tribhuvan University, Kathmandu, Nepal.
2. Dr. Neelesh Kapoor and Dr. Naresh Pratap Singh attended 3rd International Conference on "Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019), 16-18 June, 2019 organized by Agricultural Technology Development Society (ATDS) Ghaziabad, at Tribhuvan University, Kathmandu, Nepal.

National

1. Dr. Rekha Dixit attended National Conference on Identification Convergence, Implementation and Extension of Science-Tech-Research for Sustainable Development (ICIESSD-2019) Organized by New Age Mobilization Society, New Delhi and SVPUA&T Meerut on 20-21 April, 2019 held at SVPUA&T, Meerut UP
2. Dr. Sweta Mishra attended 8th International Conference on Agriculture, Horticulture and Food Science organized by the society of Tropical Agriculture, held on 29-30 December, 2018, at New Delhi. Paper presented on "Biotechnological strategies for production of Fe and Zn dense crops.
3. Dr. Sweta Mishra and Dr. Neelesh Kapoor attended 2nd International Conference on Advances in Agricultural, Biological and Applied Sciences for Sustainable Future (ABAS 2018) organized by Agricultural Technology Development Society (ATDS) Ghaziabad and Swami Vivekanand Subharti University, Meerut, UP held on 20-22 October 2018.
4. Dr. Sweta Mishra attended National Conference on Identification, Convergence, Implementation and Extension of Researchable Issues for Sustainable Development organized by SVPUAT, Meerut and New Age Mobilization Society, New Delhi, held on 20-21 April, 2019.
5. Dr. Neelesh Kapoor attended 1st national Conference on Identification, Convergence, Implementation & Extension of Science-Tech-Research for Sustainable Development (ICIESSD-2019) during April 20-21, 2019 organized at SVPUA&T, Meerut by NAMO Society, New Delhi.
6. Dr. Amit attended 14th Agricultural Science Congress 2019 on Innovations for Agricultural Transformation during 20-23rd Feb., 2019.
7. Dr. Jitender Singh participated in International Symposium on '100 Years of Wheat Cytogenetics: Its Impact on Crop Improvement" during November 3-4, 2018 organized by Department of Genetics & Plant Breeding, Ch. Charan Singh University, Meerut (UP).
8. Dr. Jitender Singh attended an India-ASEAN Innotech Summit- a two days International Conference on November 29-30, 2018 at Lalit Hotel, New Delhi organized by FICCI and DST India.
9. Dr. Amit Kumar participated in one day "Food Conclave" of Centre for Science and Environment, New Delhi to discuss some of the most pressing food-related issues with policy makers, regulators, scientific experts, civil society, consumers and media - 15.03.2019.
10. Dr. Neelesh Kapoor was invited as Eminent Speaker at International Conference on Global Environmental Challenges, Human Health & Sustainable Development organized by ESDA society and JNU, New Delhi during Jan. 11-13, 2019. Silver nanoparticles a novel source for plant growth enhancement.
11. Dr. Neelesh Kapoor and Dr. Naresh Pratap Singh attended 21 days training programme on Recent Trends in Data Analytics and Knowledge Management Sept.06-26, 2018 at Division of Computer Applications, ICAR-IASRI, New Delhi organized by Center for Advanced Faculty Training.
12. Dr. Amit successfully completed one-month online training MOOC conducted by NAARM, Hyderabad.

College of Veterinary and Animal Sciences

1. Dr. Akhil Patel attended CAFT training on Nutrition for Reproduction in Farm Animals' at IVRI, Izzatnagar, September 26th- October 16th, 2018
2. Dr. Mohd. Yousuf Dar, Dr. Aditya Kumar, Dr Amit Verma, Dr VP Singh, Dr R Mandil, Dr Arbind Singh, Dr Ajit Kumar Singh, Dr Akhilesh Verma attended Massive Open Online Course (MOOC) on Dynamics of Teaching-Learning conducted by ICAR-NAAR, Hyderabad during 01-30 Nov., 2018
3. Dr. Harshit Verma attended 21 days training on Recent Advancement in Recording, Analysis and Interpretation of Novel Phenomics of Livestock" 16 Nov to 06 Dec 2018 at IVRI, Izanagar
4. Dr. M.K. Singh attended 21 days training on Technological Advances in Value Addition as well as Production of Green and Safe Poultry Products, 04-24 Sept 2018 CARI, Bareilly
5. Dr. Ahmad Fahim & Dr Ajit Kumar attended 21 days training on Nutritional Strategy to Enhance Livestock Productivity & Farm Economy at NDRI, Karnal from 5-25th Sept 2018
6. Dr. Ashutosh Tripathi attended 21 days CAFT training at GAD vasu from 9-29 October 2018
7. Dr. Amit Kumar Verma undertook Four weeks online course on Functional Foods: Concept, Technology and Health Benefits organized by IIT, Kanpur and Commonwealth of Learning.
8. Dr. Mohd. Yousuf Dar attended ICAR-CAFT training programme on Application of Genomic Tools in Unravelling Physiological Processes at Division of Physiology & Climatology, IVRI, Izatnagar during January 29th to February 18th, 2019.
9. Dr. Shailja Katoch, Dr. Shivani Sahu, Dr Shriya Rawat, Dr A Fahim, Dr. Ajit Kumar, Dr Jeny John attend a 3 days training on Experimental Designing and Data Analysis held during 9-11th January 2019 at Department of Animal Genetics and Breeding, COVAS, SVPUAT, Meerut
10. Dr. P.S. Maurya attended training on an Update of Molecular and Advanced Approaches for Diagnosis of Parasitic Diseases of Animals from 2-11th January, 2019 at NIVEDI, Bengaluru.
11. Dr. Shweta Anand attended ICAR sponsored 21 days CAFT Training on Application of Genomic Tools in Unravelling Physiological Processes from January 29th - February 18th, 2019.
12. Dr. Surabhi Tyagi & Dr. Ajit Kumar Singh attended ICAR sponsored 21 days training on Recent Advances in Clinical Procedures and Diagnostic Imaging Techniques in Veterinary Practice at TANUVAS, Chennai from 18 Jan - 7 Feb, 2019.
13. Dr. Naresh Chandra attended 2 days Training Programme for Nominees of CPCSEA held on 17th to 18th January, 2019 at Ganga Auditorium, Indira Paryavaran Bhawan, New Delhi.
14. Dr. Amit Kumar Verma & Dr. Arbind Singh attended training on Fundamentals of Agriculture Extension, organized by BHU, Varanasi, April 2019.
15. Dr. Vijay Singh, Dr MK Shukla and Dr. Akhil Pate lattended XXVIth Annual Congress of Society of Andrology: India, October 26-28, 2018, MIET, Meerut.
16. Dr. M.K. Shukla & Dr RK Singh attended National Conference of Association of Animal Physiologists on 'Propelling transition towards sustyainable food production through rekindling physiological strategies for addressing contemporary challegnges, IVRI, Izzatnagar, December 22-23rd, 2018.
17. Dr. M.K. Shukla & Dr K Ranjan attended VIth Annual convention of Society for Veterinary Science and Biotechnology and National Symposium on 'Newer Concepts and Proaches for improvement in animal health and production'. 13-14 December, 2018, College Veterinary Science and A.H., Navania, Udaipur.
18. Dr. Prabhakar Kumar participated in XXXIII Annual Convention & National Symposium on "Veterinary Anatomy from Novices to Expert: Supporting Development of Professional Skills in Doubling Farmer's Income" at College of Veterinary Sciences and Animal Husbandry, Central Agricultural University, Selesih, Aizawl, Mizoram w.e.f. 28th to 30th November 2018.
19. Dr. Rajeev Singh attended XIIth Annual Convention of Association of Indian Zoo & Wildlife Veterinarians, held at GBPUAT, Pantnagar from 29-30th Sept 2018
20. Dr. Amit Verma & Dr Arbind Singh attended International conference of Global Research Initiative for sustainable agriculture & allied sciences-2018", at RARI, Durgapur, Jaipur from 28-30th October 2018
21. Dr. V.P. Singh & Dr Akhilesh Verma attended IMSACON-8 at COVAS, Kolkata from 22-24th November 2018
22. Dr. Vivak Malik & Dr. Surabhi Tyagi attended Annual Conference of ISVS at Navsari from 22-24th November 2018
23. Dr. Rajesh Mandil attended XVIII Conference of ISVPT and National Symposia on "One Health: Veterinary Pharmacology and Toxicology Approaches" held at Department of Veterinary Pharmacology & Toxicology, College of Veterinary Science and Animal Husbandry, AAU, Anand-388001 Gujarat, December 05-07, 2018."
24. Dr. R.K. Singh & Dr Gulab Chandra attended XVII Annual Conference of SAPI and National Symposium on "Augmentation of Animal Productivity Under Changing Socio-Economic Scenario" NDRI, Karnal, 27th - 28th November, 2018.
25. Dr. Shivani Sahu attended International Conference On Recent Trends in Agriculture, Food Science,

Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity and Climate Change (AFHABC-2018) held at Jawaharlal Nehru University, New Delhi, on 9th September, 2018 .

26. Dr. Shriya Rawat attended XIII Biannual National Conference of Association of Public Health Veterinarians at COVAS Pantnagar from 30-1st December 2018
27. Dr Ajit Kumar attended Annual Conference of ANA on "Reorienting Animal Nutrition Research in the Perspective of Farmer's Welfare" from November 19-21, 2018 at Patna.
28. Dr. Jeny K. John attended Kerala Veterinary Science Congress 10-11th October 2018
29. Dr. D.K. Singh attended 2nd Global Meet on Science and Technology for Ensuring Quality Life from 13-17 November 2018 at Bali, Indonesia
30. Dr. Kuldeep Tyagi & Dr. Devesh Yadav attended National Conference (ISBD-2019) on Enhancing Rural Livelihood through Improved Buffalo Productivity and Health" organized by College of Veterinary Science and Animal Husbandry, NAU, Navsari in collaboration with Indian Society for Buffalo Development, Hisar from 17-19 January 2019
31. Dr. Shailja Katoch & Dr K Ranjan attended the National conference on "Identification, Convergence, Implementation and Extension of Science- Tech- Research for Sustainable Development" held from 20th to 21st April, 2019 at SVPUA & T, Meerut (UP).
32. Dr. Akshay Garg attended the 106th Indian Science Congress, Section: Animal, Veterinary and Fishery Sciences, held at Lovely Professional University, Phagwara, Punjab, India, from January 3rd to 7th, 2019.
33. Dr. Akshay Garg and Dr Harshit Verma attended the 19th Indian Veterinary Congress and XXVI Annual Conference of IAAVR & National Symposium on Innovative Progress in Animal Health and Production for Safe and Secured Food Under One Health Perspective, held at West Bengal University of Animal and Fishery Sciences, Belghachia, Kolkata, West Bengal, India, from February 1st to 2nd, 2019.
34. Dr. Debashis Roy attended National Symposium and 37th Annual Convention of Indian Society of Veterinary Medicine 1-3 February 2019 at RAJUVAS, Bikaner.
35. Dr. Mohd. Ameer Khan and Dr. Jitendra Pratap attended the 3rd National Conference of Society for Veterinary and Animal Husbandry Extension on Livestock Development for Societal Needs: Extension and Allied Sectors Initiatives at Pantnagar from April 03-05, 2019.
36. Dr. Vivak Malik attended the 4th Agrivision-2019 National Convention on Integrated Agriculture-Prosperous Bharat held at National Agriculture Science Complex, ICAR, PUSA, New Delhi on 28-29 Jan, 2019.
37. Dr. R.A. Siddique attended IIIrd Convention of Society of Veterinary Biochemists and Biotechnologists of India (SVBBI) and National Symposium on Bridging Biochemical Interventions and Environmental Remediations for One Health Improvement during 2-3 Nov, 2018. I acted as Rapporteur in SVBBI 2018 on 2nd November.
38. Dr. R.A. Siddique participated in Leadership Summit, Scientific Conference and Global Alumni Meet on 15-17th March, 2019 at National Dairy Research Institute, Karnal.
39. Dr. T.K. attended seminar entitled "New Horizons in Animal Health & Production: Opportunities for Doubling Farmers Income" held at CVSAH, NDUAT, Ayodhya on 28th -29th November 2018
40. Dr. Ajit Kumar Singh participated in 4th National Youth Convention on "Federating Agri-Youth in Business Group for Remunerative Agriculture" on Feb. 15-16, 2018 at JNKVV, Jabalpur, M.P.
41. Dr. Amit Verma & Dr. Arbind Singh attended XIV Agricultural Science Congress 2019 at ICAR, New Delhi
42. Dr. Prabhakar Kumar, Dr RA Siddiqui & Dr K Ranjan attended ICAR Broad Subject Matter Area (BSMA) committee in Basic Veterinary Sciences for "Restructuring of Masters and Ph.D. Curriculum and Syllabi for the discipline under Agricultural Sciences" at TANUVAS, Chennai during 22-23 Oct, 2018.
43. Dr. Mohd Ameer Khan attended as Subject Matter Expert to give final shape of Postgraduate course curriculum in Veterinary Extension Education which was held on 8th Oct. 2018 at IVRI, Izatnagar under ICAR Board Subject Matter Area Committee in Basic Veterinary Sciences for Restructuring of Masters and Ph.D. curriculum and syllabi for the discipline under agricultural sciences.
44. Dr. Debashis Roy visited Cadila Heathcare Limited, Haridwar, UK as an expert to evaluate the quality of feed additives and premixture for export.
45. Dr Amit Verma, Dr PS Maurya, Dr A Garg, Dr D Roy, Dr Ajit Kumar Singh, Dr. TK Sarkar, Dr. Desh Deepak acted as members in expert committee for health check-up and investigation of cause of mortality of tortoises at Hastinapur Forest Guard Training centre from time to time.

TRAININGS ORGANIZED

1. Department of Livestock Production and Management organized 6 days practical training programme on "Skill development cum poultry entrepreneurship" in collaboration with CPDO, Chandigarh from 3-8th September, 2018.
2. Department of Livestock Production and Management in association with KVK Hastinapur organized 5 days practical training programme on "Commercial pig farming for self-employment" from 20-24 Oct. 2018 at SVPUA&T, Meerut.
3. Department of Animal Genetics and Breeding organized 3 days continuing biostatistics education training on "Experimental Designing and Data Analysis" from 9-11 January, 2019 with ten participants.
4. Department of Veterinary Gynaecology and Obstetrics organized training on "Artificial Insemination Services for Productivity Enhancement of Livestock" for master trainers under National Livestock Mission sponsored by UPLDB, Lucknow from 27-05-2019 to 31-05-2019.
5. Department of Veterinary Gynaecology and Obstetrics organized training on "Artificial Insemination Services for Productivity Enhancement of Livestock" for master trainers under National Livestock Mission sponsored by UPLDB, Lucknow from 17-06-2019 to 21-06-2019.

6. Department of LPT conducted exposure visit to the Abattoir cum Export Unit, Meerut for B.V.Sc. & A.H. 3rd year students.
7. Department of LPM organized an exposure visit for 1st Year B.V.Sc. & A.H. students to IVRI, Izatnagar&Mukteshwar.
8. Registration of SVPUA&T, Modipuram Meerut and Institutional Animal Ethics Committee (IAEC) with "The Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA)" Ministry of Environment, Forest & Climate Change, Govt. of India, New Delhi from dated 19.03.2019 to 18.03.2024 with the registration no. 2058/GO/Re/SL/19/CPCSEA by Dr. Mahesh Kumar Bharti, Member Secretary, IAEC.
9. Dr. Debashis Roy has visited Cadila Heathcare Limited, Haridwar, UK as an expert to evaluate the quality of feed additives and premixture for export.
10. Dr V.P. Singh has visted Haldi Ram Food Pvt Limited, Ghaziabad as an expert of Export Inspection Council for reneual of licence of dairy based foods for export.
11. Dr Amit Verma, Dr. P.S. Maurya, Dr A. Garg, Dr. D. Roy, Dr. Harshit Verma, Dr. Ajit Kumar Singh, Dr. TK Sarkar, Dr. Desh Deepak acted as members in expert committee for health check-up and investigation of cause of mortality of tortoises at Hastinapur Forest Guard Training centre from time to time.

12. Department of Immunology and Défense Mechanism in collaboration with Indian Immunology Society (IIS), All India Institute of Medical Sciences (AIIMS), New Delhi, India organized awareness Campaign cum workshop on 'Role of Immunology in Societal Health' on the occasion of World Immunology Day held on 29 April, 2019. On this occasion Dr. S.K. Garg, Ex-Vice Chancellor, DUVASU, Mathura was the chief guest and delivered his speech on the role an antibody. Hon'ble Vice Chancellor also speaks about the impact of immunology on the societal health. All the Dean, Directors, faculty and students were present.
13. Department of Immunology and Defense Mechanism organized DBT Sponsored Training Workshop on "Bioinformatics Tools and Techniques in Agriculture" from March 25 to 27, 2019.

Hon'ble Vice Chancellor greets the chief guest Dr. S.K. Garg

EVENTS ORGANIZED

National Youth Day/ Swami Vivekanand Jayanti Celebration

National youth day is celebrated in India on 12th January on the birthday of swami vivekanand is on Pausha Krishna Saptami Tithi which falls in the English calendar every year. The national youth day is observed all over India at school and colleges, with speeches, recitations, music, youth, seminars, presentations every year. Hon'ble Vice Chancellor addressed the staff on the 154th birth anniversary of swami vivekanand and explained the significance of National youth day.

Republic Day Celebration

70th Republic Day was celebrated in the University on 26th January, 2019. The students of various hostels carrying their respective hostel flags came by march-passing along with respective hostel wardens. Dr. R.R. Singh, Registrar of the University presented the report of the University. Hon'ble Vice-Chancellor, Prof. Gaya Prasad has hoisted the National flag and addressed the audience. All the teaching and non-teaching faculty members, NCC cadets and security staff of the university also participated actively in the programmes. At this occasion Prof. Minakshi Gaya Prasad, Department of Animal Biotechnology, LLUVAS, Hisar was also present. NCC cadets of the university received different awards from Prof. Minakshi Gaya Prasad at this occasion for their achievements.

Momentary of 68th Republic day celeration at Headquarter, Meerut

Ravi Das Jayanti

Ravidas Jyanti was organised at Mini Auditorium, College of Agriculture on 31.01.2019 in which around 250 students and faculty members participated.

Independence Day

72nd Independence Day was celebrated with great enthusiasm at Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut. Hon'ble Vice Chancellor, Prof. Gaya Prasad hoisted the National Flag. Prof. Gaya Prasad urged to teachers and students to work on new research which is beneficial to the frames label and make it number one university of the country. On this occasion 15 students were facilitated for getting a position in University merit list.

Convocation

Eleventh annual convocation of "Sardar Vallabhbhai Patel University of Agriculture and Technology", Meerut was held on 13.09.2018 at Gandhi Hall to confer the degree for the academic year 2017-18. Dr.N. C. Patel, Hon'ble Vice-Chancellor, Agriculture University Anand delivered the convocation address as chief guest during the 10th convocation of SVPUA&T, Meerut. A total of 286 students were awarded UG, PG and Ph.D. degree by His Excellency, Hon'ble Governor of Uttar Pradesh, and the Chancellor of the University Shri Ram Naikji. For the academic year 2017-18 out of total 286 degrees awarded, 120 BSc (Ag); 67 B.Tech (Biotechnology); 62 Master's in Agriculture; 04 Master's in Biotechnology and 33 Ph.D. had been given. Out of 286 degrees awarded, 36 (12.6%) were girl students and 250 (87.4%) were boys. From awardee students 01 girl received Chancellor Gold Medal for performing higher levels in both academics as well as in various extra and co-curricular activities. 02 UG students (01 boy and 01 girl) received Vice Chancellor's Gold Medal, 02 UG girls received Vice Chancellor's silver medals and 02 UG students (01 boy and 01 girl) received Vice Chancellor's bronze medals for their outstanding performance in the examinations. The Hon'ble Chancellor, Vice Chancellor and the chief guest congratulates them and wish them a good life ahead.

72nd Independance Day Celebration

World Rabies Day

World Rabies Day 2018 was organized by the Department of VCC, COVAS, SVPUAT, Meerut on 28/9/18 with the theme "Rabies: Share the Message, Save a Life". On this day an anti-Rabies vaccination campaign was organized at the VCC. This was followed by a seminar with Chairman Dr. R.C. Gupta, Principal, LLRM Medical College, Meerut. Dr Jeny K. John, Asstt Professor VCC and a few veterinary students also gave presentations on Rabies.

Swachhta Abhiyaan

The Swachhta Abhiyaan comes under Swachh Bharat Abhiyan was organised on 2nd October 2018 at SVPUA & T, Meerut. During swachhta Abhiyaan staff, including the faculty, non-teaching staff and students of the university cleaned the university campus, and premises of various colleges and hostels. The National Service Scheme (NSS) coordinator Prof. R. S. Sengar, with the help of his teammates and students' volunteers launched a cleaning drive in the campus. Prof. Gaya Prasad appealed the staff and students of the university to maintain cleanliness in the future. The oat taking ceremony was followed by a cleanliness drive in the campus as well as in hostels.

Run for Unity

A 'Run for Unity' was organized by SVPUA&T, Meerut to pay homage to the great Iron Man of India Sardar Vallabhbhai Patel on the occasion of Sardar Patel's birth anniversary on 31st October, 2018. The programme was inaugurated by Hon'ble Vice chancellor Prof. Gaya Prasad and led the rally from hostels to the statue of Sardar Patel. Elocution competition, essay-writing and drawing competitions were held during the week-long celebrations. Faculty staff, non-teaching staff, students, Deans, Directors, NCC cadets were participated in the run.

Chief guest Dr. RC Gupta delivered his speech

Students participated on Rabies day

Kaumi Ekta Diwas

In pursuance of communal harmony campaign week from November 19th to 25th and Flag Day of the National foundation for Communal Harmony, a seminar was organized on the topic "National Integration and Communal Harmony" on November 25, 2018. The programme was held at the direction of the National Foundation for Communal Harmony, under the Union Ministry of Home Affairs.

Hon'ble Vice Chancellor signal green flag for the Run of Unity

Agricultural Education Day

Indian Council of Agricultural Research has designated on 3rd December as "Agricultural Education Day" to commemorate the birth anniversary of first President of Independent India and Union Minister of Agriculture, Bharat Ratna, Dr. Rajendra Prasad. The objective of this day was to expose students including schools to various facets of agriculture and its relevance to country's development to Inspire them and to attract them towards agriculture. So that they develop interest in agriculture and allied subjects, choose professional career after schooling in some of these courses, engage themselves in agriculture and related activities or become Agri-enterpreneurs in future.

Hon'ble Vice Chancellor Prof. Gaya Prasad felicitate the Chief guest and Hon'ble Vice chancellor Prof. A.K. Taneja on the Eduaction Day. Chief guest interacting with the students

World Soil Day

World Soil Day was celebrated at Mini-Auditorium of College of Agriculture, SVPUA&T, Meerut on 5th December, 2018. Hon'ble Vice- chancellor Prof. Gaya Prasad was the chief guest and appreciated the efforts of Department of Soil Science. Dr. U. P. Sahi in his welcome speech sensitized the farmers regarding the importance of soil testing, judicious use of fertilizers and efficient use of farm resources to maximize the crop production without deteriorating the soil health. All the faculty staff, Deans, Directors and farmers were present on this occasion.

128th Birth Anniversary of Dr. Babasaheb Ambedkar

Dr. Babasaheb Ambedkar's 127th Birth Anniversary was celebrated on 14th April, 2019 Prof. Gaya Prasad, Hon'ble Vice Chancellor, SVPUA&T, Meerut delivered an inspirational lecture about Dr. Babasaheb Ambedkar.

Prof. Samsher, Dean, Agriculture giving the Pledge on the occasion of Swachta Abhiyan to the faculty and students

Earth Day

The Earth day was celebrated with great enthusiasm on April 22nd, 2019 by faculty, staff and students of the university. Various cultural and literacy events were organized with active participation of one and all. On the occasion, the Vice-Chancellor addressed the students and staff on the importance of the event.

World Veterinary Day

World Veterinary Day 2019 was celebrated on 27/4/2019 with the Theme 'Value of Vaccination'. During this programme a rally was conducted, along with poster, rangoli, college logo competition. In the afternoon a seminar was organized to highlight the value of vaccines. The chairman of the occasion was Dr. Ashok Kumar, ADG (AH), ICAR, New Delhi, He also delivered his talk on the Indian Scenario of rabies. Lectures on the topic were also delivered by the faculty & students of the college.

Chief Guest Dr. Ashok Kumar, ADG (Animal Health), ICAR, New Delhi

Anti-Terrorism Day

Anti-Terrorism Day was observed by the Sardar Vallabhbhai Patel University on May 21st 2019 to commemorate the death anniversary of the former Prime Minister Rajiv Gandhi. On this day Dean Students Welfare Prof. Anil Sirohi took the pledge and administered the same to all officers and students present in the hostels of the University. Students were made aware regarding dangers of terrorism, violence and its effect on people, society and nation as a whole.

World Environment Day

Under the leadership of the Hon'ble Vice Chancellor Prof. Gaya Prasad, Dean Student Welfare, faculty, staff and students of University, a massive Tree Planting programme was organized at the campus premises and Hostels on June 5th, 2019.

International Yoga Day

As part of worldwide International Yoga Day, 2019, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut has also observed this day on June 21, 2019 in its campus at Faculty Club with the theme "Yoga for Harmony and Peace". This was a great opportunity to imbibe the value of discipline. Yoga is a mental, physical and spiritual practice that needs to be carried every day. A Yoga session of around two hours between 7:00 am and 7:30 am in which campus community including faculty, officers, staff and students took part enthusiastically and practiced various 'asanas' of Yoga and pranayama. Dr. Anil Sirohi, Dean Students Welfare and coordinator of the event emphasized on the importance of the day. He stressed on the need of practicing Yoga and Yoga as a way of life. Prof. Gaya Prasad, Hon'ble Vice Chancellor briefed audience there is simple way called "YOGA" through which we can make all the body parts healthy and perfect.

Faculty and staff performing yoga's on World Yoga Day

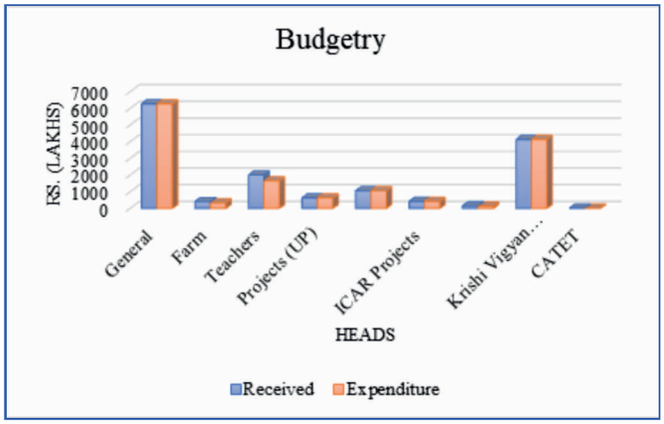
Participiation and Linkages

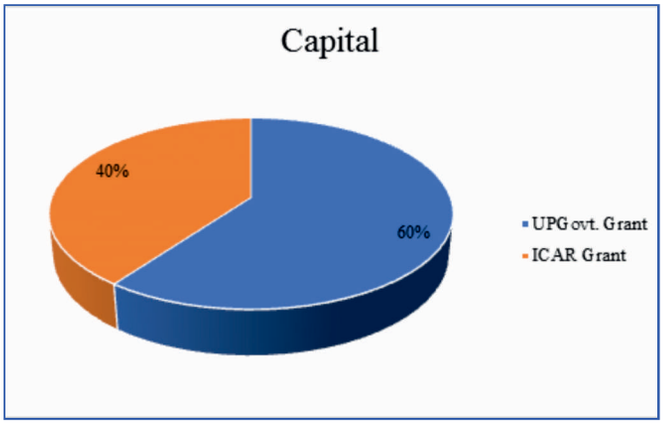
1. The University has signed the Memorandum of Understanding initially for three years with National Institute of Plant Genome Research, New Delhi on 21 April, 2018.
2. The University has also signed the Memorandum of Understanding initially for five years with Indian Metrological Department, Ministry of Earth Science on 3 November, 2018.

UNIVERSITY FINANCE

A. Head-wise Receipt and Expenditure (Indian Rupees in Lakhs)

S. No.	Head	Grants Received	Expenditure
I. Revenue			
1.	General	6266.00	6266.00
2.	Farm	406.20	336.50
3.	Teachers	2007.00	1651.00
4.	Projects (UP)	630.00	630.00
5.	ICAR Development grant	1050.00	1050.00
6.	ICAR Projects	418.00	418.00
7.	ICAR Projects 75% - U.P. 25%		
	A. ICAR 75%	62.00	62.00
	B. U.P.25%	15.500	15.50
8.	Krishi Vigyan Kendra (Farms)	150.70	134.35
9.	Krishi Vigyan Kendra, ICAR	4135.00	4135.00
10.	CATET	20.00	19.00
	Total	**15160.40**	**14717.35**
II. Capital			
1.	UPGovt. Grant	2737.68	2737.68
2.	ICAR Grant	1817.50	1817.50
	Total	**4555.18**	**4555.18**
	Grant Total	**19715.58**	**19272.53**





Budgetary Support to the University:

(Rs. in lakh)

Budget Heads	Total Funding form State Government			Funding support from ICAR (Rs. lakh)				Total ICAR support	Any other Central Funding**	Grand Total
	Plan	Non-Plan	Total	Education Division	AICRP	KVK	Any other ICAR support*			
	1	2	(1+2)=3	4	5	6	7	(4+5+6+7)= 8	9	3+8+9
Salary	-	2407.38	2407.38	-	5.04	1416.34	44.97	1466.35	-	3873.72
Capital	2015.27	-	2015.27	344.74	-	109.84	-	454.58	-	2469.85
Revenue	-	2034.90	2034.90	424.92	1.26	354.08	104.92	885.18	-	2920.09
Total	**2015.27**	**4442.28**	**6457.55**	**769.66**	**6.30**	**1880.26**	**149.89**	**2806.11**	**0.00**	**9263.66**

* including Network Project, Extra Mural, etc **including DST, DBT, ICMR, RKVY

BOARD OF MANAGEMENT

S. No.	Name & Designation	Address	Status
1.	Dr. Gaya Prasad, Vice-Chancellor	SVPUA&T, Meerut	Chairman
2.	Principal Secretary, Agriculture	Uttar Pradesh, Lucknow	Member
3.	Principal Secretary, Finance	Uttar Pradesh	Member
4.	Principal Secretary, Higher Education	Uttar Pradesh	Member
5.	Director, Agriculture Department	Uttar Pradesh	Member
6.	Director, Animal Husbandry	Uttar Pradesh	Member
7.	Sri Om Prakash Sharma	Hon'ble MLC	Member
8.	Dr. Anita Lodhi Rajput	Hon'ble MLA	Member
9.	Sri Jitendra Pal Singh	Hon'ble MLA	Member
10.	Dr. Mahesh Kaushik, Agriculture Scientist	Mohammadpur Lala, Meerut	Member
11.	Shri Manohar Singh Tomar, Progressive Farmer	Village - Jitole, Meerut	Member
12	Shri Ranvir Singh, Live Stock Breeder	—	Member
13.	Sh. Anil Kumar Yadav, Agricultural Industrialist	—	Member
14.	Smt. Sushma singh, Woman Social Worker	2/524, Vineet Khand, Gomtinagar, Lucknow - 226010	Member
15.	K.K. Singh, Asistant Director General, (Education Planning and Home Science) ICAR representative	ICAR, New Delhi	Member
16.	Registered Graduate	Vacant	Member
17.	Shri Avadh Narayan, Comptroller	SVPUA&T, Meerut	Member/ Secretory

ACADEMIC COUNCIL

S.N.	Name	Designation	Status
1.	Prof. (Dr.) Gaya Prasad	Vice-Chancellor, SVPU	Chairman
2.	Prof. Samsher	Dean, College of Agriculture	Member
3.	Dr. N.S. Rana	Dean, PGS	Member
4.	Dr. S.K. Sachan	Director, Extension	Member
5.	Dr. B.R. Singh	Dean, COT	Member
6.	Dr. Anil Sirohi	Dean, of Student Welfare, Director Research	Member
7.	Dr. Rajbir Singh	Dean, College of Veterinary & Animal Sciences	Member
8.	Dr. R. Kumar	Dean College of Biotechnology	Member
9.	Dr. Bijendra Singh	Dean, College of Horticulture	Member
10.	Dr. Mohan Lal	Professor & Head, Agronomy, COA	Member
11.	Dr. B.P. Dhyam	Professor & HOD, Soil & Science	Member
12.	Dr. Ramji Singh	Professor & Head, Plant Pathology, COA	Member
13.	Dr. R.S. Sengar	Head, Agricultural Biotechnology	Member
14.	Dr. Pankaj Kumar	Professor & Head, Biochemistry & Plant Physio	Member
15.	Dr. Rekha Dixit	Professor & Head, Commercial Biotechnology, COB	Member
16.	Dr. Nazim Ali	Professor & Head, Animal Production, COA	Member
17.	Dr. Gopal Singh	Professor & Head Plant Pathology, COA	Member
18.	Dr. D.K. Singh	Head, Extension, COA	Member
19.	Dr. H.L. Singh	Head, Economics, COA	Member
20.	Dr. L.K. Gangwar	Head, Plant Breeding, COA	Member
21.	Dr. Aarti Bhatele	Head, Veterinary Pathology, COVAS	Member
22.	Dr. Rajeev Singh	Head, Veterinary Microbiology, COVAS	Member
23.	Dr. D.K. Singh	Head, LPM, COVAS	Member
24.	Dr. T.K. Sarkar	Head, Veterinary Medicine, COVAS	Member
25.	Dr. Rachna Varma	Head, Veterinary Pharmacology & Toxicology, COVAS	Member
26.	Dr. Vijay Singh	Head, Veterinary Gynecology, COVAS	Member
27.	Dr. Vivek	Professor, COA	Member
28.	Dr. R.K. Naresh	PG Faculty	Member
29.	Dr. Rajkumar	Faculty Secretary, COA	Member
30.	Dr. Jitendra Singh	Faculty Secretary, COB	Member
31.	Dr. Vaishali	Associate Professor, COA	Member
32.	Dr. Shalini Gupta	Associate Professor, COB	Member
33.	Dr. Purshottam	Associate Professor, COB	Member
34.	Dr. Archna Arya	Associate Professor, COA	Member
35.	Dr. A.K. Verma	Associate Professor, COVAS	Member
36.	Dr. V.P. Singh	Associate Professor, COVAS	Member
37.	Dr. Atar Singh	Associate Professor, COA	Member
38.	Dr. Adesh Singh	Associate Professor, COA	Member
39.	Dr. Sandeep Kumar	Associate Professor, COB	Member
40.	Dr. Neelesh Kapoor	Associate Professor, COB	Member
41.	Dr. Shriya Rawat	Associate Professor, COVAS	Member
42.	Dr. Gulab Chandra	Associate Professor, COVAS	Member
43.	Sh. Awadh Narayan	Comptroller	Member
44.	Dr. Ashok Kumar	Registrar	Member

FACULTY STRENGTH OF THE UNIVERSITY

S.N.	Name of the University/ College/ Faculty	No. of total Sanctioned				In position (No. of Faculty based on present Designation)			
		Prof.	Assoc. Prof.	Asst. Prof.	Total	Prof.	Assoc. Prof.	Asst. Prof.	Total
1	College of Agriculture	15	24	33	72	10	18	29	57
2	College of Biotechnology	08	06	08	22	02	04	08	14
3	College of Veterinary & Animal Sciences	12	17	32	61	03	15	31	49
4	College of Veterinary & Animal Sciences **(Self-Finance)**	05	06	12	23	-	02	06	08
	Total	**40**	**53**	**85**	**178**	**15**	**39**	**74**	**128**

New Appointments and Promotions.

S.N.	Designation	Sanctioned Post	Appointment	CAS
1	Professor/Equivalent	40	15	27
2	Associate Professor/Equivalent	53	39	28
3	Assistant Professor	85	74	-

University Officers and Staff

S.N.	Name	Designation	Contact No.	E-mail
Vice Chancellor Office				
1.	Prof. R.K Mittal	Vice-Chancellor	0121-2888522	vc2016svpuat@gmail.com
2.	Sh. Ritul Singh	Public Relation Officer	9411446368	Singhrutul_pro@yahoo.com
Registrar Office				
3.	Dr. B.R Singh	Registrar	8755815662 0121-2888502	registrarsvpmeerut@gmail.com
4.	Dr.B.P. Dhayani	Examination Coordinator	9412086696	bpdhyanisvbp@gmail.com
5.	Dr. Prashant Mishra	Assoc. Registrar (A)	9412833917	prashantsvbp@gmail.com
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6.	Sh. Avadh Narayan	Accounts Officer	9412448345- 0121-2888514	avadh0407@gmail.com
7.	Sh. Ajay Kumar Tiwari	Accounts Officer	9411028295	aktiwarirudra1@gmail.com
8.	Sh. Krishan Lal	Accounts Officer	9897008584	krishansvp@gmail.com
9.	Sh. S.N. Pandey	Accounts Officer	9411643901	snpandey929@gmail.com
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10.	Dr. D.K Singh	Assoc. Registrar (P)	9411259978	dksingh16230@gmail.com
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12.	Dr. N.S Rana	Dean PGS	9412476030	svpdeanpgs@gmail.com
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14.	Dr. U.P. Shahi	Nodal Officer	9410228283	upshahi@gmail.com
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16.	Dr. S.K Sachan	Director Extension	9412923199	deesvpuat2014@gmail.com
17.	Dr. Gopal Singh	Joint Director Ext.	9412465255	singh_gopal2009@rediffmail.com
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18.	Dr. Anil Sirohi	Director Research	9410275769	anilsirohi@rediffmail.com
19.	Dr. Bijendra Singh	Joint Director	9412701340	drbijendrasingh66@gmail.com
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20.	Dr. R.S. Sengar	Cordinator	9412472292	sengarbiotech7@gmail.com

College of Agriculture				
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1.	Prof.Samsher	Dean Agriculture	8392955144	smasher_23@yahoo.com
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2.	Dr. Mohan Lal	Professor & Head	9411811056	mohanlalsvp@yahoo.com
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4.	Dr. D.K Singh	Professor & Head	9412013825	dksingh.ag.ext@gmail.com
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8.	Dr. Bijendra Singh	Professor & Head	9412701340	drbijendrasingh66@gmail.com
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9.	Dr.B.P. Dhayani	Professor & Head	9412886696	bpdhayani@gmail.com
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10.	Dr. R.S Sanger	Professor & Head	9412472292	sengarbiotech7@gmail.com
Department of Animal Husbandry				
11.	Dr. Nazim Ali	Professor & Head	9927583897	nazimsvp@gmail.com
Department of Basic Science				
12.	Dr. Ramji Singh	Nodal Officer	9451500541	singh.ramji@gmail.com
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College of Veterinary & Animal Sciences				
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2.	Dr. Kuldeep Kumar Tyagi	Associate Professor & OIC	9601283365	drtyagivet@gmail.com
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3.	Dr. Debashis Roy	Associate Professor & OIC	9536229396	debashis2k4@gmail.com
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8.	Dr. Vivek Malik	Associate Professor & OIC	9412492696	vickeyvet@gmail.com
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9.	Dr. Alok Kumar Dixit	Associate Professor & OIC	7987362482	alokdixit7@yahoo.com
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10.	Dr. Mohd. Ameer Khan	Associate Professor & OIC	7587338317	drameeronline@gmail.com
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11.	Dr. Prabhakar Kumar	Associate Professor & OIC	9412777943	drdablu@gmail.com
Veterinary Physiology & Biochemistry				
12.	Dr. Rakesh Kumar Singh	Associate Professor & OIC	9411423409	drrakeshvet@gmail.com
Livestock Farm Complex				
13.	Dr. Amit Kumar	Professor &Head	8126481822	dr.amitvet74@gmail.com

College of Biotechnology **Dean Office**				
1.	Dr. Ravinder Kumar	Dean	9410455496	kumark@yahoo.com
Cell Biology				
2.	Dr. Ravinder Kumar	Professor	9410455496	kumark@yahoo.com
Commercial Biotechnology				
3.	Dr. Rekha Dixit	Professor & Head	9457888193	dixrekha@gmail.com
Immunology & Defense Mechanism				
4.	Dr. Pankaj Kumar	Professor & Head	9412363596	coordinate_coe@yahoo.com
Pathology & Microbiology				
5.	Dr. Rekha Dixit	Professor & Head	9457888193	dixrekha@gmail.com
Molecular Biology & Genetics Engineering				
6.	Dr. Anil Sirohi	Professor & Head	9410275769	anilsirohi@rediffmail.com
Biochemistry & Physiology				
7.	Dr. Pankaj Kumar	Professor & Head	9412363596	coordinate_coe@yahoo.com
Finger Printing				
8.	Dr. Anil Sirohi	Professor & Head	9410275769	anilsirohi@rediffmail.com
Recombinant DNA Techniques				
9.	Dr. Ravinder Kumar	Professor & Head	9410455496	kumar@yahoo.com
College of Horticulture **Dean Office**				
10.	Dr. Bijendra Singh	Dean	9412701340	drbijendrasingh66@gmail.com
College of Post-Harvest Technology & Food Processing **Dean Office**				
11.	Prof. Samsher	Dean	8392955144	samsher_23@yahoo.co.in
College of Technology **Dean Office**				
12.	Dr. B.R. Singh	Dean	8755815662	brsingh2000@gmail.com

Faculty Superannuation

S.No.	Name	Designation	Date of Spernuation
1.	Dr G.R. Singh	Professor, Agriculture Engineering	30 September, 2018
2.	Dr Phaggan Singh	Professor & Head, Department of Plant Pathology	03 July, 2018
3.	Dr S.A. Kherki	Professor & Head, Department of Plant Genetics & Breeding	31 December,2018
4.	Dr Satya Prakash	Professor & Head, Department of Horticulture	30 March, 2019

RECRUITMENT

S.No.	Name	Name of Department	Date of Joining
1.	Dr. Tarun Kumar Sarkar	Professor (Medicine)	11-05-2018
2.	Dr. Vijay Singh	Professor (Veterinary Gynecology & Obstetrics)	17-05-2018
3.	Dr. Rachna Verma	Professor (Veterinary Pharmacology & Toxicology)	21-05-2018
4.	Dr. Veer Pal Singh	Associate Professor (Liverstock Products Technology)	17-05-2018
5.	Dr. Vivak Mslik	Associate Professor (Veterinary Surgery & Radiology)	17-05-2018
6.	Dr. Prabhakar Kumar	Associate Professor (Veterinary Anatomy)	17-05-2018
7.	Dr. Mohd Ameer Khan	Associate Professor (Veterinary Animal Husbandry Extension Education)	30-05-2018
8.	Dr. Rajesh Mandil	Associate Professor (Veterinary Pharmacology & Toxicology)	17-05-2018
9.	Dr. Manish Kumar Shukla	Associate Professor (Veterinary Gynecology & Obstetrics)	15-06-2018
10.	Dr. Amit Kumar Verma	Associate Professor (Veterinary Medicine)	14-05-2018
11.	Dr. Debashish Roy	Associate Professor (Animal Nutrition)	27-07-2018
12.	Dr. R.K. Singh	Associate Professor (Veterinary Physiology & Biochemistry)	19-07-2018
13.	Dr. Kuldeep Kumar Tyagi	Associate Professor (Animal Genetics & Breeding)	28-07-2018
14.	Dr. Alok Kumar Dixit	Associate Professor (Veterinary Parasitology)	15-03-2019
15.	Dr. Vineet Kumar	Assistant Professor (Veterinary Surgery & Radiology)	13-06-2018
16.	Dr. Shweta Anand	Assistant Professor (Veterinary Pharmacology & Toxicology)	22-05-2018
17.	Dr. Vipul Thakur	Assistant Professor (Veterinary Medicine)	05-07-2018
18.	Dr. Ashutosh Tripathi	Assistant Professor (Veterinary Loverstock Farm Complex) Gynecology	05-05-2018
19.	Dr. Ajit Kumar Singh	Assistant Professor (Veterinary Clinical Complex) Surgery	19-05-2018
20.	Dr. Akhil Patel	Assistant Professor (Veterinary Gynecology & Obstetrics)	05-05-2018
21.	Dr. Mohd. Yousuf Dar	Assistant Professor (Veterinary Anatomy)	05-05-2018
22.	Dr. Akhilesh Kumar Verma	Assistant Professor (Veterinary Liverstock Products Technology)	05-05-2018
23.	Dr. Atul Kumar Verma	Assistant Professor (Veterinary Gynecology & Obstetrics)	08-06-2018
24.	Dr. Jitendra Pratap	Assistant Professor (Veterinary Animal Husbandry Extension Education)	05-05-2018
25.	Dr. Jitin M.V.	Assistant Professor (Veterinary Clinical Complex) Medicine	05-05-2018
26.	Dr. Arbind Sing	Assistant Professor (Veterinary Liverstock Farm Complex) Medicine	22-05-2018
27.	Dr. Surbhi Kuldeep Tyagi	Assistant Professor (Veterinary Surgery & Radiology)	28-07-2018
28.	Dr. Aditya Kumar	Assistant Professor (Veterinary Anatomy)	28-07-2018
29.	Dr. Shailja Katoch	Assistant Professor (Veterinary Microbiology)	19-07-2018
30.	Dr. Jeny K. John	Assistant Professor (Vet. Clinical Complex-a) Clinical Pathology	16-08-2018
31.	Dr. Rekha Dixit	Professor (Biochemistry and Physiology)	24-07-2018
32.	Dr. Amit Kumar	Associate Professor (Immunology and Defense Mechanism)	27-07-2018
33.	Dr. Sweta Mishra	Associate Professor (Finger Printing)	01-08-2018
34.	Dr. Neelesh Kapoor	Assistant Professor (Finger Printing)	19-07-2018
35.	Dr. Naresh Pratap Singh	Assistant Professor (Commercial Biotechnology)	24-07-2018
36.	Dr. R.A. Siddique	Associate Professor (Veterinary Physiology & Biochemistry)	07-12-2018
37.	Dr. Prashant M. Gedam	Associate Professor (Veterinary Anatomy)	01-03-2019
38.	Dr. Desh Deepak	Assistant Professor (Veterinary Medicine)	18-12-2018
39.	Dr. Vinod Kumar Varun	Assistant Professor (Veterinary Medicine) (VCC)	21-02-2019
40.	Dr. Akshay Garg	Assistant Professor (Veterinary Microbiology)	10-12-2018
41.	Dr. Ram Kumar Singh	Assistant Professor (Veterinary Livestock Farm Complex) (Animal Nutrition)	28-12-2018
42.	Dr. Pramila Umaraw	Assistant Professor (Veterinary Livestock Products Technology)	11-01-2019
43.	Dr. Naresh Chandra	Assistant Professor (Veterinary Pathology)	07-12-2018
44.	Dr. Rashmi	Professor (Basic Science)	29-03-2019
45.	Dr. Lal Bhadur Singh	Professor (Agriculture Extension)	19-07-2019
46.	Dr. Lokesh Kumar Gangwar	Professor (Genetics & Plant Breeding)	24-07-2018
47.	Dr. Satya Prakash	Professor (Horticulture)	22-10-2018
48.	Dr. Prerna Sharma	Associate Professor (Basic Science) A. Mathematics	20-07-2018
49.	Dr. Bhim Singh	Associate Professor (Basic Science) B. Statistics	24-07-2018

Sardar Vallabhbhai Patel University of Agriculture & Technology,
Modipuram, Meerut - 250110 (U.P.)