Highlights 2021-22

Institute of Agricultural Sciences, Banaras Hindu University

The Institute of Agricultural Sciences aims at integrating teaching, research, extension and development in agriculture. The Institute has two faculties *viz*., Faculty of Agriculture (FoA) and Faculty of Veterinary & Animal Sciences (FoVAS). The FoA consists of 11 departments and two auxiliary units, Agriculture Farm and Krishi Vigyan Kendra. It provides B.Sc.(Hons.)Ag. degree in Agriculture and M.Sc./M.Tech. and Ph.D. degrees in eleven disciplines of Agriculture and allied subjects. The FoVAS is located in the Rajiv Gandhi South Campus of Banaras Hindu University and consists of 15 departments and a veterinary clinic. The FoVAS offers B.V.Sc. & AH degree and provide medical facilities to animals. For the academic session 2021-22, more than 47,500 candidates appeared for the B.Sc.(Hons.)Ag. program and mora than 7000 candidates appeared for various M.Sc.(Ag.)/M.Tech programs. A total of 436 students of the FoA are getting research and other scholarships. The student centric activities executed were Annual Cultural Fest 'Srishti', Annual Athletic Meet 'Saahas', Alumni meet of Department of Dairy Science and Food Technology, educational visits to Organic Farms, ITC Chaupal Sagar, KIRAN Society and Parag Dairy, and the NSS unit of the FoVAS organized Veterinary Quiz and Poster Making Competitions and Anti-Rabies Vaccination camps. During the year, more than 90 UG and PG students got placement through the placement cell with an average annual salary package of Rs. 5.70 lakhs. In addition, several students from various departments were placed as Assistant Professors, and joined various government and private agencies.

During 2021-22, the faculty members have published 262 and 229 research papers in national and international peer reviewed journals, respectively, 33 books and 116 book chapters. Besides, 12 patents were filed and 3 were granted. Currently 211 research projects are running in the institute funded by different national and international agencies. During 2021-22, 43 faculty members attended conferences / seminars / symposiums, etc. in India and abroad, and 22 faculty members were awarded with prestigious national and international awards / fellowships / distinctions, etc. Among the prominent academic achievements, 3 promising wheat germplasms were developed and registered with Plant Germplasm Committee (PGRC) of ICAR, gene sequences of various microbes and plants were deposited to the NCBI database, 4 academic collaborations were established and more than 2000 were trained on rural technologies and conservation agriculture practices.

The department of Dairy Science and Food Technology has started B.Tech. program in Food Technology and B.Tech. program in Dairy Technology, department of Veterinary Physiology & Biochemistry has adopted Learning Management System (LMS), and the FoVAS initiated Ph.D. programme. The FoA has organized the mega event XV Agricultural Science Congress, and several workshops such as "Mobile Apps and Agriculture" for farmers, "Recent advancement in crop protection technology in Rapeseed mustard" for Extension Officers, "Research article writing and Publication" for research scholars & faculty members, training programs on "Agricultural Legislations" for Agricultural Extension Professionals, for Board of Directors of FPOs, FLDs for rapeseed and mustard farmers, worked through the Tribal Sub Plan among farmers, and the FoVAS has organized several Animal Health Camps.

INSTITUTE OF AGRICULUTURAL SCIENCES

The Institute of Agricultural Sciences, Banaras Hindu University, has completed its glorious journey of 91 years with significant contributions to making hunger free India. The Institute assumed different names and finally in 1981 got elevated to the Institute of Agricultural Sciences status aiming at integrating teaching, research, extension and development in agriculture. This Institute was the first to have been established as Institute of Agricultural Research, offering M.Sc. and Ph.D. degrees. The undergraduate teaching started in the year 1945 and it was renamed as College of Agriculture under the Faculty of Engineering. In 1968, the College of Agriculture became an independent Faculty of Agriculture. Subsequently, six departments *viz.* Plant Physiology, Agronomy, Genetics & Plant Breeding, Soil Science & Agricultural Chemistry, Plant Pathology and Agricultural Economics were created in the year 1969. The departments of Horticulture, Entomology and Agricultural Zoology were added in 1971, while Extension Education, Animal Husbandry and Dairying and Farm Engineering were added in the year 1981. Centre of Food Science and Technology (CFST) was established in 2008 and became integral and permanent part of the Institute in 2016. In year 2013, the Faculty of Veterinary & Animal Sciences came into existence. In 2019, Centre of Food Science and Technology was merged with Department of Animal Husbandry and Dairying and renamed as a single Department of Dairy Science and Food Technology.

Keeping in view the requirement of human resources and specialized demand of 21st century, during post 2006, the Institute started 11 new specialized courses *viz*. Master of Agri Business Management (MABM), M.Sc. (Agro Forestry), M.Sc. in Plant Biotechnology, M.Sc. in Soil & Water Conservation, M.Tech. in Soil & water Conservation, M.Sc. & Ph.D. in Food Science, Ph.D. in Agril. Statistics, Soil & Water Conservation and Post-Harvest Management and one Diploma Course in Seed Production and Marketing. Presently, the Institute has two faculties *viz*. Faculty of Agriculture and Faculty of Veterinary and Animal Sciences.

Faculty of Agriculture

The Faculty of Agriculture consists of 11 departments and three auxiliary units namely, Agriculture Farm, Horticulturist Unit and Krishi Vigyan Kendra. It runs B.Sc. (Hons) in Agriculture and M.Sc. / M.Tech. in eleven disciplines of Agriculture and allied subjects besides Ph.D. in various domains of Agriculture. In the academic session 2021-22, for admission to B.Sc. (Hons.) Ag. more than 47,500 candidates appeared in the national level entrance test conducted by Banaras Hindu University. For admission to M.Sc. (Ag.), more than 7000 candidates appeared in the entrance test. A total of 436 students of the Faculty are getting one or the other Research fellowships / Scholarships, etc. sanctioned by the different national agencies.

Department of Agricultural Economics

The Department of Agricultural Economics was established in the year 1965. It offers M.Sc. (Ag) in Agricultural Economics, Master of Agri Business Management and Ph.D. in Agricultural Economics. The Department has two ongoing projects namely “Network Project on Marketing Intelligence” (funded by ICAR) and “Economic and Environmental Impact of Resource Conservation Technologies in different Agro-climatic Zones of UP” (funded by U.P. Council of Agricultural Research). The thrust areas of research in the department include Farm Management and Production Economics, Agricultural Development and Policy, Agricultural Marketing and International Trade, Agribusiness Management, Natural Resource Management, Applied Econometric, Agricultural Finance. There are ten faculty members, 6 non-teaching staff, and 118 enrolled students in the Department.

Department of Agronomy

The Department of Agronomy, one of the oldest departments of the Institute of Agricultural Sciences, was established as a section in the year 1951 which subsequently became a full-fledged department in 1968. The department offers courses at Graduate, Master's and Ph.D. levels. Several coordinated, collaborative and ad-hoc research projects funded by ICAR, RWC/CIMMYT, IRRI, World Bank, DST, DBT, UPCAR, UGC, TIFAC were / are operating in the department. The department handles two permanent All India Coordinated Research Projects funded by ICAR viz; Dryland and Integrated Farming System and several ad-hoc projects. The thrust areas of research in the department include Crop Production, Soil Fertility, Reducing water footprint in agricultural sector, Water Management, Weed Management, Agronomic Strategy for Climate Change, Integrated Farming System, etc.

Department of Dairy Science & Food Technology

The Department of Dairy Science & Food Technology is a newly created department of Institute of Agricultural Sciences, established on October 30, 2019, by amalgamating the resources of Centre of food science and Technology and Department of A H & Dairying. It offers B. Tech, M. Sc. / M. Tech., and Ph.D. in Dairy Science and Food Technology. The department has been recognized as the Centre of Advanced Faculty Training (CAFT) by ICAR and has signed Mo U with different reputed National and International Universities, Research Institutes and Industries for academic and research collaborations. The thrust area of research in the department includes value addition of milk, Multifunctional food products, Fluid foods, Fermentation and Bioprocess Technology, Enzyme Engineering and Technology, Dairy and Food Nutrition, Malnutrition, Food Toxicology, Food Processing through Nano-technology, Food Packaging, Food Law Management, etc.

Department of Entomology & Agricultural Zoology

The section of Entomology came into existence in 1945 under the College of Agriculture, with the start of UG teaching in Agriculture, leading to B.Sc.(Ag.) degree with Entomology as one of the compulsory subjects. Later on the section upgraded into a full-fledged department of Entomology & Agricultural Zoology. It offers UG, PG and Ph.D. programs in Entomology & Agricultural Zoology. The department runs collaborative projects funded by different funding agencies. The thrust areas of research in the department include Integrated Pest Management, Bioagent Production, Insect Biodiversity & Taxonomy, Identification and Morphological Characterization of Soil – Insects, etc.

Department of Extension Education

The Department of Extension Education started functioning as a section in 1975, which was later upgraded into a department in 1981. The department imparts teaching at UG and PG level besides conducting research at PhD level. The Department of Agricultural Extension and Communication at BHU is committed to preparing students for success in professions that include formal and non-formal teaching and learning in agriculture, leading agricultural organizations and communities, and communicating agriculture to society. The thrust areas of research in the department are inclined towards e-learning, ICT in extension, Social and Extension Research, ITK, ToT, FPOs, NGOs, Communication, Innovations, Participatory research, environment and climate change and Agricultural Education.

Department of Agricultural Engineering

Established in 1981, the Department of Agricultural Engineering is an auxiliary unit of the Institute of Agricultural Sciences. The department offers UG Courses in Agricultural Engineering and Computer Sciences, besides offering Agricultural Statistics course at UG, PG and Ph.D. level. A number of research projects, coordinated, collaborative and ad-hoc nature funded by ICAR and World Bank are running in the department. The department handled ten research projects during last five years. The thrust areas of research in the department include Natural Resource Management,

Mechanization of Dry lands, Precision Technologies, Refinement in ITKs relating to in-situ Moisture Conservation and Runoff Management, Energy Management, Resource Conservation Technologies.

Department of Genetics & Plant Breeding

Since its inception in 1969 as a full-fledged department, the Department of Genetics and Plant Breeding has made significant achievements and contributions in teaching, research and extension. The department offers courses at UG, PG and PhD levels. The department runs several collaborative and ad-hoc research projects funded by different funding agencies. The thrust area of research in the department includes Plant Breeding, Cytogenetics, Mutation Breeding, Tissue Culture, and Biological Nitrogen Fixation.

Department of Horticulture

The Department of Horticulture was established in the year 1971. However, the postgraduate teaching in Horticulture started in 1968. The department offers UG, PG and Ph.D. courses in Horticulture. The department also conducts research projects funded by various funding agencies. The thrust areas of research in the department include production of varieties of flowers and fruits, isolation of genotypes, isolation of stable mutants, Vegetable Seed Processing, Tissue Culture, Crop Regulation, Patch Budding, Postharvest Technology, etc.

Department of Mycology and Plant Pathology

The Department of Mycology and Plant Pathology has coexisted with the Institute since its inception in 1931.The post graduate teaching in the department was initiated in 1967. The department offers UG, PG and Ph.D. courses in various sub-disciplines of Mycology and Plant Pathology. Fungal taxonomy was the primary goal at the very beginning and many complex species of rust, and smut fungi were identified by karyotyping with morphological characters. Many plant pathogenic zoosporic fungi with doubtful identity were properly diagnosed. Many new genera and species were described in operculate and inoperculate ascomycetes. After accepting All India Coordinated Research Programmes on pulses, wheat, rice and oil seeds, pathological work was initiated to fulfill the mandates of ICAR. Current thrust areas of research in the department include host-pathogen interactions, host resistance, bioprospecting of microbes & microbial products for disease management, epidemiology & disease forecasting, management of important diseases caused by fungi, bacteria & plant parasitic nematodes and dissemination of production technologies of mushroom, biocontrol agents and vermicompost among farmers. The department has been recognized by Department of Science and Technology, New Delhi through FIST grant. The research programs of the department are supported by various funding agencies such as ICAR, DST, DBT, CIMMYT, GRDC, ICARDA, BBSRC, etc.

Department of Plant Physiology

The Department of Plant Physiology came into existence in 1969. The Department at present has a resourceful pool of basic and advanced equipment fulfilling the need of students and research personnel. It offers courses ranging from UG, PG up to Ph.D. in Plant Physiology. The department has been handling collaborative and ad-hoc research projects funded by various funding agencies since its inception, and organized several National and International conferences/seminars/Workshop. The major thrust areas of research in the Department include photosynthesis, Growth and Development, Stress physiology, plant tissue culture, physiology of plant microbe interaction mineral nutrition, plant water relation, plant growth substances, post-harvest physiology, nitric oxide signaling.

Department of Soil Science and Agricultural Chemistry

A section of Agricultural Chemistry was established in the year 1945 in erstwhile Institute of Agricultural Research (I.A.R.) and was located in a single laboratory. The section of Agriculture Chemistry got its due recognition as Department of Soil Science and Agriculture Chemistry in 1968. The department offers UG, PG and Ph.D. courses in sub-disciplines of Soil Science and Agricultural

Chemistry. The department has a large number of externally funded research projects. Sustaining soil health for food security and nutritional safety without impairing environmental quality and creating mass awareness about soil and society relationship are the key focus areas where the department is concentrating.

Faculty of Veterinary & Animal Sciences

Established in 2013 at South Campus, the Faculty of Veterinary & Animal Sciences is emerging as a new centre of Veterinary education in India with all modern infrastructure facilities related to education and research. The Faculty consists of 15 departments, two academic complexes, one lecture theatre and a Teaching and Veterinary Clinical Complex. The Faculty of Veterinary & Animal Sciences offers B.V.Sc. & AH course and is committed to conducting teaching and research besides providing medical facilities to the animals especially in the rural areas.

Animal Genetics & Breeding

The present Department was established in 2013, and after that UG and Ph.D. Programmes were started in the years 2016 and 2021. Currently, the Department has three faculties who are actively involved in UG & PhD teaching, & research activities. Department is actively involved in research to develop a genomic tool for determining the purity of Indian cattle breeds, in search of marker for early pregnancy detection in cattle.

Animal Nutrition

The Department of Animal Nutrition was established in the year 2015. The department offers UG and Ph.D. courses in Animal Nutrition. Currently, the department has three faculties who are actively involved in teaching, research and extension activities. The department also conducts research work funded by various funding agencies in collaboration with other departments. To improve the production and health of animals through nutritional interventions, the central thrust area of research encompasses: nutrient requirement and ration balancing for different classes of animals, use of nutritional techniques (micronutrients, feed additives/supplements, feed processing, etc.) to augment animal production and health, conservation and improvement of nutritional worth of forages, exploration of non-conventional and locally available feed resources for animal feeding and hands on training to progressive farmers for animal feeding.

Livestock Product Technology

The Department of Livestock Products Technology was established in the year 2013. The department has two laboratories viz; Milk processing lab and Meat processing lab. The department offers UG and Ph.D courses. Ph.D course was started in the year 2020. The department is running three different research projects funded by IoE Seed Grant, University level. The department deals with development of livestock products viz; Milk, Meat and Egg. The thrust area of research in the department includes development of value-added milk and meat products, its processing and innovative packaging. Installation of a dairy processing unit having capacity 300/lph is in progress which is monitored by department of Livestock Products Technology.

Livestock Production Management

The Department of Livestock Production Management (LPM) was established under FVAS, IAS in 2015 as per the norms of the Veterinary Council India. The Department is currently involved in teaching of both UG and PG courses. Moreover, the Department has one Lab-cum-Museum with various models, equipments used for livestock and poultry for U.G teaching. The Department always works for the well-being and uplift of rural people through various extension activities by providing suggestions, guidance and consultancy to farmers, extension workers and rural entrepreneurs involved in animal husbandry & allied activities. The department runs various research projects funded by different funding agencies. The thrust areas of research in the department include productive and reproductive management of various livestock species, livestock housing management, environmental stress management, animal behaviour and its implication in farm management and nutritional management for efficient production productivity of livestock.

Vet. Gynecology & Obstetrics

The department of Veterinary Gynecology and Obstetrics, established with inception of Faculty of Veterinary & Animal Sciences in 2013 at Rajiv Gandhi South Campus, Banaras Hindu University, Barkachha. Currently, one Associate Professor & Head; two Assistant Professors are involved in undergraduate teaching, research projects, field visits, clinical duties at teaching veterinary clinical complex in addition to PhD teaching, which has started recently with the enrollment of one student. One research project was completed whereas six ongoing projects are being run in the area of assisted reproductive technologies, conservation of germplasm and management of uterine infections.

Vet. Pharmacology and Toxicology

The Department of Veterinary Pharmacology and Toxicology was created in the year 2015, notified by Ministry of Human Resource Development, vide F.No.:1-10/2014-Desk(U), dated:02.12.2015. To fulfill the requisite of Minimum Standard of Veterinary Education-2016, the department has three laboratories viz. i. Pharmacy lab., ii. Toxicology or Chemotherapy lab etc. The department offers the Under Graduate course i.e. B.V.Sc. & A.H. degree course as per MSVE-2016 and in the year 2021 the Ph.D. course was started (Session:2020-21). The department is running three different research projects funded by IoE at University level and all the teaching staffs have the IoE project. The thrust areas of the research of the department include Pharmacodynamics, Hypertension, Toxicological, different disease models, endothelial dysfunction- translation research, etc. Additionally, the Department of Veterinary Pharmacology and Toxicology will also likely to benefit from its deep ties and major collaborations with other veterinary departments in near future for academic research development.

Vet. Physiology & Biochemistry

The Department of Veterinary Physiology and Biochemistry was established with the presidential approval of the Faculty of Veterinary and Animal Sciences, under the Institute of Agricultural Sciences in 2015. The department was run in the main campus of Banaras Hindu University, Varanasi and shifted to Rajiv Gandhi South Campus, Mirzapur in 2018. The department is having two main disciplines i.e., Veterinary Physiology and Veterinary Biochemistry to fulfil the mandates of Minimum Standards of Veterinary Education (MSVE) 2016 adopted by the Veterinary Council of India. Department has also started the Ph.D. programme from academic session 2020-21 in two main discipline 1) Veterinary Physiology and 2) Veterinary Biochemistry. The department is engaged in

teaching of B.V.Sc. & A.H. and post-graduate students along with conducting basic and applied research in the areas of animal health, production and technology. The thirst research areas of the department are Reproductive Physiology, Stress Physiology, Stem cell research, Cancer Biology, Ethnomedicine, Proteomics and Metabolomics, Nanotechnology, Nutritional biochemistry and digestibility, Molecular diagnostics, & Clinical Biochemistry. The department runs various research projects supported by different funding agencies. The department is also focused on various farmer-oriented activities in mind towards the development of the society.

Vet. Public Health & Epidemiology

The department is engaged in teaching of veterinary public health and epidemiology syllabus to the III professional year students of BVSc & AH course as per MSVE-2016 guidelines. It is also offering the Ph.D. programme in the discipline of veterinary public health. It deals with zoonotic diseases, food safety and hygiene, veterinary epidemiology, environmental hygiene. Further, the department is engaged in research and development related to antimicrobial drug resistance, molecular diagnosis and epidemiology of zoonotic diseases. Currently, three projects including the one external funded project (UGC-BSR) are ongoing in the department.

Veterinary & Animal Husbandry Extension Education

The Department of Veterinary Extension was established in the year 2015 with Audio-visual technology Laboratory, Mini seminar room and Museum-cum-live-stock advisory unit. It offers UG since its inception and Ph.D. program started in the year 2020. The department has two ongoing research projects internally funded by IoE Seed Grant, BHU. The department has been involved in the number of rural outreach extension and training activities with the Animal Husbandry Department, Government of Uttar Pradesh, Krishi Vigyan Kendra, Barkachha and Faculty of Agriculture, BHU. The thrust areas of research in the department include Livestock Development, Diffusion and Adoption of Livestock Technologies, Development of Livestock Extension Model, Livestock Economics & Marketing, Resource Management in Animal Husbandry etc.

Veterinary Medicine

The Department of Veterinary Medicine was established since start of the FVAS faculty. It offers UG, and Ph.D. program. The department was having one project “Investigation of arthropod vectors parasitizing goats of two agroclimatic regions of India”. The thrust areas of research in the department include Veterinary Medicine, Vector biology, Vector borne diseases, ethnoveterinary medicine and canine parvo viral disease.

Veterinary Microbiology

The Department of Veterinary Microbiology (VMC) was established under FVAS, IAS in 2015 as per the norms of the Veterinary Council India. The Department is currently involved in teaching of both UG and PG courses. Moreover, the Department has all basic accessories for U.G teaching. The department runs various research projects funded by different funding agencies. The thrust areas of research in the department include antibiotic resistance, diagnostics and vaccines, molecular biology and Immunology.

During the academic session 2021-22, the faculty members of the Institute has published 262 and 229 research papers in national and international peer reviewed journals, respectively, along with 33 books

and 116 book chapters. Besides this, 12 patents have also been filed by the faculty members of the institutes, out of which 3 have been granted. There are 211 research projects running in the institute funded by different national and international agencies. The details of publications and research projects are appended below:

Details of Publications:

Name of the Faculty member and Department	No. of Research Papers and Articles published in Journals				No. of Book Published		No. of Mono-graphs	No. of Manuals
	Research Papers		Articles					
	National	International	National	International	National	International		
Faculty of Agriculture								
Agronomy								
Prof. Yashwant Singh	**1**	-	-	-	-	-	-	-
Prof. J.S. Bohra	**1**	-	-	-	-	-	-	-
Prof. Ramesh Kumar Singh	**2**	-	-	-	-	-	-	-
Prof. Udai Pratap Singh	**1**	**3**	**1**	-	-	-	-	-
Prof. V.K. Srivastava	**2**	-	-	-	-	-	-	-
Prof. Ram Kumar Singh	**5**	-	-	-	-	-	-	-
Prof. J.P. Singh	**3**	-	-	-	-	-	-	-
Prof. Shiv Prakash Singh	**2**	-	-	-	-	-	-	-
Prof. Manoj Kumar Singh	**4**	**1**	-	-	-	-	-	-
Prof. Jainendra Kumar Singh	**2**	-	-	-	-	-	-	-
Prof. Chandra Bhushan	**2**	-	-	-	-	-	-	-
Dr. R.N. Meena	**3**	-	-	-	-	-	-	-
Dr. Saroj Kumar Prasad	**3**	**5**	-	-	**1**	-	-	-
Dr. Manoj Kumar Singh	**1**	**1**	-	-	-	-	-	-
Dr. Rajesh Kumar Singh	**4**	**1**	-	-	-	-	-	-
Dr. Ram Swaroop Meena	-	**10**	-	-	-	-	-	-
Dr. S.K. Verma	**9**	-	-	-	-	-	-	-
Dr. Nikhil Kumar Singh	**2**	-	-	-	-	-	-	-
Dr. Pratik Sanodiya	**3**	**1**	-	-	-	-	-	**1**
Dr. Sudhir Kumar Rajpoot	**2**	**5**	-	-	-	-	-	-
Agricultural Economics								
Prof. Rakesh Singh	**4**	-	-	-	-	-	-	-
Prof. Saket Kushwaha	-	-	-	-	-	-	-	-
Prof. H. P. Singh	-	-	-	-	-	-	-	-
Prof. P.S. Badal	**1**	**2**	-	-	-	-	-	-
Dr. V. Kamalvanshi	**3**	**2**	-	-	**1**	-	-	-
Dr. O. P. Singh	**5**	**2**	-	-	-	-	-	-
Dr. P. K. Singh	**3**	**3**	-	-	-	-	-	-
Dr. Anoop. M.	**1**	**1**	-	-	-	-	-	-
Dairy Science & Food Technology								
Prof. D.C. Rai	**9**	**6**	**2**	-	**1** (Book)	**2** (Book Chapters)	-	-
Prof. Anil Kumar Chauhan	**1**	**6**	**4**	-	-	**2** (Books)	-	-
Prof. Raj Kumar Duary	**2**	**5**	-	-	-	**2** (Book Chapters)	-	-
Dr. V. K. Paswan	-	**3**	-	-	-	**7** (Book Chapters)	-	-
Dr. Arvind	**2**	**3**	-	-	-	**2** (Book chapters)	-	-
Dr. A.D. Tripathi	**1**	**18**	-	-	-	**2** (Books) **15** (Book Chapters)	-	-
Dr. Amrita Poonia	**2**	-	-	**2**	-	**1** (Book)	-	-
Dr. D.S. Bunkar	**1**	**1**	**1**	-	-	-	-	-
Dr. Tarun Verma	-	-	**1**	**1**	-	**1** (Book Chapter)	-	-
Dr. Chhaya Goyal	-	-	**1**	-	**1** (Book)	-	-	-
Dr. Ankita Hooda	**1**	-	-	-	-	**1** (Book Chapter)	-	-
Mr. Sunil Meena	-	-	-	-	-	**1** (Book)	-	-
Entomology & Agricultural Zoology								
Prof. C.P. Srivastava	-	-	-	-	-	-	-	-
Prof. P.S. Singh	**2**	**2**	-	-	-	-	-	-
Prof. R.N. Singh	-	-	-	-	-	-	-	-
Prof. S.V.S. Raju	**5**	-	-	-	**1**	-	-	**1**

Prof. M. Raghuraman	**5**	**2**	**-**	**-**	**1**	**-**	**-**	**-**
Dr. Ram Kewal	**10**	**-**	**-**	**-**	**1**	**-**	**-**	**-**
Dr. R.S. Meena	**3**	**1**	**-**	**-**	**-**	**-**	**-**	**-**
Dr. Srinivasa N.	**1**	**1**	**1**	**-**	**-**	**-**	**-**	**-**
Extension Education								
Prof. Kalyan Ghadei	**2**	**-**	**-**	**-**	**3**	**-**	**4**	**-**
Prof. A.K. Singh	**4**	**-**	**-**	**-**	**-**	**-**	**7**	**-**
Prof. Basavaprabhu Jirli	**4**	**-**	**-**	**-**	**-**	**-**	**6**	**-**
Dr. Saikat Maji	**7**	**-**	**-**	**-**	**1**	**-**	**-**	**-**
Farm Engineering								
Prof. V.K. Chandola	**2**	**1**	**-**	**-**	**-**	**-**	**-**	**-**
Prof. R.M. Singh	**2**	**5**	**-**	**-**	**-**	**-**	**-**	**-**
Prof. A.K. Nema	**3**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Dr. Abhishek Singh	**6**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Dr. V.K. Tripathi	**1**	**2**	**-**	**-**	**1**	**-**	**-**	**-**
Mr. Rajan Kumar	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Dr. Shashi Shekhar	**-**	**3**	**-**	**-**	**-**	**-**	**-**	**-**
Dr. Shrinivasa D.J.	**-**	**-**	**-**	**-**	**-**	**-**	**4**	**-**
Dr. Reema Sharma	**-**	**1**	**-**	**-**	**-**	**-**	**-**	**-**
Genetics & Plant Breeding								
Prof. A. Vaishampayan	**1**	**-**	**1**	**-**	**-**	**-**	**-**	**-**
Prof. S.K. Singh	**3**	**3**	**-**	**-**	**-**	**-**	**-**	**-**
Prof. Kartikeya Srivastava	**7**	**2**	**1**	**-**	**-**	**-**	**1**	**3**
Prof. P. K. Singh	**8**	**1**	**-**	**-**	**-**	**-**	**-**	**-**
Dr. Sandeep Sharma	**-**	**7**	**-**	**-**	**-**	**-**	**-**	**-**
Dr. Jayasudha S.	**2**	**1**	**-**	**-**	**-**	**-**	**-**	**-**
Dr. A. K. Singh	**-**	**3**	**-**	**-**	**-**	**-**	**-**	**-**
Horticulture								
Prof. Akhilesh Kumar Pal	**10**	**1**	**-**	**-**	**-**	**-**	**-**	**-**
Prof. Anil Kumar Singh	**1**	**3**	**3**	**-**	**-**	**-**	**-**	**-**
Prof. Binod Kumar Singh	**8**	**-**	**1**	**-**	**-**	**-**	**-**	**-**
Prof. Anand Kumar Singh	**9**	**-**	**2**	**-**	**-**	**-**	**-**	**-**
Dr. Kalyan Barman	**1**	**4**	**3**	**-**	**-**	**-**	**-**	**-**
Dr. Anjana Sisodia	**-**	**-**	**1**	**-**	**-**	**-**	**-**	**-**
Dr. Thupten Tsomu	**-**	**-**	**1**	**-**	**-**	**-**	**-**	**-**
Mycology & Plant Pathology								
Prof. Ramesh Chand	**2**	**1**	**1**	**-**	**-**	**-**	**-**	**-**
Prof. S.S. Vaish	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Prof. Ram Chandra	**4**	**5**	**-**	**-**	**-**	**-**	**-**	**-**
Prof. B. K. Sarma	**-**	**4**	**-**	**2**	**-**	**2**	**-**	**-**
Dr. R. K. Singh	**1**	**2**	**1**	**-**	**-**	**-**	**-**	**-**
Dr. S. P. Singh	**-**	**2**	**-**	**1**	**-**	**-**	**-**	**-**
Dr. D. D. Bhutia	**-**	**-**	**4**	**-**	**-**	**-**	**-**	**-**
Dr. Ankita Sarkar	**-**	**-**	**-**	**1**	**-**	**-**	**-**	**-**
Plant Physiology								
Prof. P. Dwivedi	**-**	**15**	**3**	**6**	**-**	**-**	**-**	**-**
Prof. Pravin Prakash	**-**	**2**	**-**	**1**	**-**	**-**	**-**	**-**
Dr (Mrs). Vijai P.	**2**	**1**	**2**	**-**	**-**	**-**	**-**	**-**
Dr (Mrs). Savita Jangde	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Dr. Md. Afjal Ahmad	**-**	**-**	**1**	**1**	**1**	**-**	**-**	**-**
Soil Science & Agricultural Chemistry								
Prof. Satish Kumar Singh	**2**	**7**	**3**	**-**	**-**	**3**	**-**	**-**
Prof. S. Singh	**5**	**1**	**1**	**-**	**2**	**-**	**-**	**-**
Prof. P. Raha	**1**	**2**	**-**	**-**	**-**	**-**	**-**	**-**
Prof. N. De	**2**	**1**	**-**	**-**	**-**	**-**	**-**	**-**
Prof. J. Yadav	**-**	**4**	**-**	**-**	**-**	**-**	**-**	**-**
Prof. Amlan Kumar Ghosh	**-**	**4**	**-**	**-**	**-**	**-**	**-**	**-**
Prof. Pramod Kumar Sharma	**1**	**4**	**-**	**-**	**-**	**-**	**-**	**-**
Dr. Amitava Rakshit	**-**	**13**	**1**	**-**	**1**	**5**	**-**	**-**
Dr. Yad Vir Singh	**9**	**-**	**3**	**-**	**1**	**-**	**-**	**1**
Dr. R. Meena	**2**	**-**	**4**	**-**	**-**	**-**	**-**	**-**
KVK, Barkachcha								
Dr. Jai P Rai, BHU-KVK	**4**	**4**	**5**	**-**	**-**	**-**	**-**	**-**
Dr. S.K. Goyal, BHU-KVK	**2**	**4**	**5**	**-**	**-**	**-**	**-**	**-**

Faculty of Veterinary & Animal Sciences								
Animal Genetics & Breeding								
Dr. Anshuman Kumar	-	**4**	**1**	-	-	-	-	-
Dr. Vineeth M. R.	**2**	-	**1**	-	-	-	-	-
Dr. Amitosh Kuma	**2**	-	**1**	-	-	-	-	-
Livestock Product Technolog								
Dr. Saurabh Karunamay	-	**1**	-	-	-	-	-	-
Dr. Dhananjay Kumar	**1**	**2**	-	-	-	-	-	-
Vet. Physiology & Biochemistry								
Dr. Pavan Kr Yadav	-	**1**	-	**1**	-	-	-	-
Dr. Mayukh Ghosh	-	**1**	-	**9**	-	-	-	-
Dr. Mukesh Kr Bharti	-	**4**	**1**	-	-	-	-	-
Dr. Thulasiraman Parkunan	**2**	**2**	-	**1**	-	-	-	-
Vet. Gynaeocology & Obstetrics								
Dr. Sanjay Kumar Ravi	**1**	**1**	-	-	-	-	-	-
Dr. B. Balamurugan	**2**	**1**	-	-	**3**	-	-	-
Dr. Priya Ranjan Kumar	-	-	-	-	-	-	-	**1**
Livestock Production Management								
Dr. Vipin Maurya	**1**	-	**2**	-	-	-	-	-
Dr. Kuldeep Kumar Verma	**1**	**1**	-	-	-	-	-	-
Veterinary Anatomy								
Dr. Raja Ravi Teja	**1**	-	-	-	-	-	-	-
Dr. Satish Kumar Pathak	-	-	**6**	-	-	-	-	-
Dr. Jigyasa Rana	**3**	**3**	**1**	-	**2**	-	-	-
Veterinary Pathology								
Dr. Suvaneeth P.	**2**	-	-	-	-	-	-	-
Dr. Sarvan Kumar	**1**	-	-	-	-	-	-	-
Vet. Surgery & Radiology								
Dr. Naresh Kumar Singh	**6**	-	-	-	**1**	**1**	**10**	-
Veterinary Parasitology								
Dr. Saroj Kumar	-	-	-	-	-	-	-	**2**
Dr. Souti Prasad Sarkhel	-	-	-	-	-	-	-	**2**
Major (Dr.) Krishnendu Kundu	-	-	-	**1**	-	-	-	**2**
Veterinary Pharmacology and Toxicology								
Dr. Shahid Prawez	-	**1**	-	-	-	-	-	-
Veterinary Extension								
Dr. Jayant Goyal	**1**	-	-	-	**1**	-	-	**2**
Dr. Ajay Kumar Chaturvedani	-	-	-	-	-	-	-	**2**
Veterinary Medicine								
Dr. Ajith Y.	-	**1**	-	-	-	-	-	**2**
Vet. Clinical Complex	-	-	-	-	-	-	-	-
Dr. Prasanta K. K. Mishra	**1**	**4**						
Veterinary Microbiology								
Dr. Rajat Varshney	**2**	**3**	-	-	-	-	-	
Dr. Manu M	**1**	**1**	-	-	-	-	-	-

Details of Patents

Name of the Faculty member and Department who filed the patent	Title of the patent	National / International	Patent no. / File no.	Date of Filing / Granting	Granted / filed
Prof. Padmanabh Dwivedi, Plant Physiology	A novel composition to enhance the relative water content in *Brassica* sp.	National	202111050288A	12/11/21	Published
Prof. Padmanabh Dwivedi, Plant Physiology	A novel spray to improve the quality of mustard oil and process thereof.	National	202111049210A	05/11/21	Published

Prof. Padmanabh Dwivedi, Plant Physiology	A novel biofertilizer for growth of *Zea mays*	National	202111049895A	12/11/21	Published
Prof. Padmanabh Dwivedi, Plant Physiology	A novel bio-fertilizer to enhance the quality of mungbean and process thereof.	National	202111049894A	12/11/21	Published
Prof. Padmanabh Dwivedi, Plant Physiology	A novel composition to regulate the plant height of wheat crop and process thereof.	National	202111052011A	26/11/21	Published
Prof. Ramesh Chand, Mycology and Plant Pathology	Wheat variety HUW 838	National			Ministry of Agriculture PPVFRA
Prof. Ramesh Chand, Mycology and Plant Pathology	Wheat Variety HUW 711	National			Ministry of Agriculture PPVFRA
Prof. Ramesh Chand, Mycology and Plant Pathology	Mungbean variety HUM 25	National			Ministry of Agriculture PPVFRA
Prof. Anil Kumar Chauhan, Dairy Science and Food Technology	Process optimization for production of ready to cook multi grain khichdi	International	201811027701		Filed
Dr. Ankita Hooda, Dairy Science and Food Technology	Milk Based Spray Dried Nano encapsulated Curcumin Formulation and Method Thereof	National	202011033806		Filed
Dr. Mayukh Ghosh, Department of Veterinary Physiology & Biochemistry	Urine based pregnancy detection method for Ruminant livestock animals	National	TEMP/E1/14163/2020-DEL	Date of Filing 25-03-2020	Filed
Dr. Priya Ranjan Kumar, Department of Veterinary Gynaecology & Obstetrics	Synthetic antigenic peptides corresponding to bovine pregnancy associated glycoproteins and peptide specific antibodies for early pregnancy diagnosis in bovine	National	201911049996	04/12/2019	Granted

Details of Research Projects :

Sl.no.	Name of the Department running the research project	Title of the Project	Name of PI and Co-PI	Sponsoring
1	**Agronomy**	Designing a Synergetic C/P Stoichiometry Package to Enhance the Soil Passive Organic Carbon Stock and Mineralization of Fixed Phosphorus Pool in the Eastern Plain Zone of Uttar Pradesh	PI: Dr. Ram Swaroop Meena	SERB, S&T, GOI
		Use of sludge, crop waste and residue to convert as a nutrient and carbon source for soil health restoration and grain quality with low-cost biochar and ***mycorrhiza*** under changing climate	PI: Dr. Ram Swaroop Meena	SERB, S&T, GOI
		Institution of Eminence (IOE) BHU Incentive Grant Project on Evaluation of Conservation Agriculture Practices	PI: Dr. U. P. Singh	IOE BHU
		All India Coordinated Research project on Integrated farming system	PI: Dr. U. P. Singh	ICAR
		BHU –IRRI Collaborative Project on Accelerating Genetic Gain in Rice (AGGRi)	PI: Dr. U. P. Singh	IRRI
		BHU –IRRI Collaborative Project on Effect of Crop Establishment and Nutrient Management on Growth, Yield and Water Productivity in Rice-Wheat System	PI: Dr. U. P. Singh	IRRI
		BHU –IRRI Collaborative Project on Climate Smart Management Practices	PI: Dr. U. P. Singh	IRRI
		Bioefficacy Evaluation of Agrochemicals in Different Crops	PI: Dr. U. P. Singh	United Phosphorus Limited

		Evaluation of agrochemicals in different crops	PI: Dr. U. P. Singh	Coromandel International
		Agrochemicals Evaluation in crops	PI: Dr. U. P. Singh	Bayer Crop Science Limited
		Bioefficacy Evaluation of Agrochemicals in Different Crops	PI: Dr. U. P. Singh	United Phosphorus Limited
		Institution of Eminence (IOE) BHU Incentive Grant Project on Evaluation of Conservation Agriculture Practices	PI: Dr. U. P. Singh	IOE BHU
		Bio-efficacy and phytotoxicity evaluation of biostimulnts in sugarcane, rice and wheat	PI: Prof. Ramesh Kumar Singh	Dhanuka Agritech Ltd., Gurgaon
		Bio-efficacy and phytotoxicity evaluation of herbicide in Sugarcane	PI: Prof. Ramesh Kumar Singh	UPL Ltd., Mumbai
		Bio-efficacy and phytotoxicity evaluation of herbicide in wheat	PI: Prof. Ramesh Kumar Singh	Dhanuka Agritech Ltd., Gurgaon
		Bio-efficacy and phytotoxicity evaluation of herbicide in maize and wheat	PI: Prof. Ramesh Kumar Singh	Gharda Chemicals Ltd., Mumbai
		Studies on Bio-efficacy and phyto-toxicity evaluation of Fomesafen 12% + Quizalofop ethyl 3% w/w SC on Soybean crop for one season followed by succeeding crop.	PI: Prof. J.K. Singh	Best Crop Science, New Delhi
		Studies on bio-efficacy and phyto-toxicity of (i) Dhanvarsha (Liquid) and (ii) Dhanvarsha (Granule) on Onion crop.	PI: Prof. J.K. Singh	Dhanuka Agritech Limited, Gurugram
		Studies on bio-efficacy and phyto-toxicity of (i) Dhanvarsha (Liquid) (ii) Dhanzyme (Granule) and (iii) Dhanzyme Gold (Granule) on Potato crop.	PI: Prof. J.K. Singh	Dhanuka Agritech Limited, Gurugram
		Bio-efficacy and phyto-toxicity of Haloxyfop R Methyl 10.5% EC on Soybean for one season followed by succeeding crop	PI: Prof. J.K. Singh	Seedlings India Pvt. Ltd., New Delhi
		Effect of premix of VPP72 60% WG for control Phalaris minor and Broad leaf weeds (BLW's) in wheat.	PI: Prof. Ram Kumar Singh	FMC India Private Ltd., Mumbai
		Evaluation of effect of TRACKON GOLD application on Qualitative & Quantitative parameters, Nutrient uptake, Soil physicochemical, Growth and Yield of Sugarcane crop	P.I.: Prof. Ram Kumar Singh Co-P.I.: Dr. R.N. Meena	Sulphur Mills Ltd., Mumbai
		To evaluate the effect of Nanozim Xtrude and Nanozim NXT on yield and yield contributing characters of paddy and chilli	PI: Dr. SK Verma	InGene Organics Pvt. Ltd.
		Bio-efficacy of 2, 4-D ethyl ester 38% EC, 2, 4-D Amine salt 58% WSC and ALH - 816 against weed flora of wheat	PI: Dr. SK Verma	Atul Ltd., Gujrat
		Bio-Efficacy and Phytotoxicity Evaluation of Zymegold Liquid, Armurox, Equilibrium, Zymegold Granules, Terasorb Complex And God H009 on Paddy Crops	PI: Dr. S.K. Verma	Godrez Agrobet Pvt. Ltd.
		Bio-efficacy and phytotoxicity of 2, 4-D transplanted rice	PI: Dr. S.K. Verma	Atul Ltd., Gujrat
		Efficacy studies of Shriram Biostimulants (Reprozin/ Seastar) on Potato and Wheat	PI: Dr. Manoj Kumar Singh Co-PI: Prof. S. P. Singh	Shriram Fertilizers & Chemicals (DCM Shriram), New Delhi
		A Systemic approach for herbicide synergies in wheat (*Trititicum aestivum* L.)	Co-PI: Dr. M. K. Singh	Safex Chemicals India Ltd., New Delhi
		Testing of hybrid paddy	PI: Dr. Sudhir Kumar Rajpoot	Prabhat Agri Biotech Ltd.
		Testing of hybrid paddy	PI: Dr. Sudhir Kumar Rajpoot	Yaaganti Seeds Private Ltd.
		Testing of hybrid paddy and maize	PI: Dr. Sudhir Kumar Rajpoot	UPCAR, Lucknow
		Test Protocol For 2,4-D Sodium Salt 80% Wp Against Weed Complex n Maize Crop and Its Effect On Succeeding Crop	PI: Dr. Pratik Sanodiya	ADAMA Pvt. Ltd., Hyderabad

2	**Agricultural Economics**	Impact of Agricultural Marketing Reforms on Market Integration and Farmers Income: The Case of Eastern Uttar Pradesh	PI: Prof. Rakesh Singh Co-PI: Dr OP Singh	UPCAR, Lucknow
		Leveraging intuitional innovation for inclusive and market led agricultural growth in Eastern India	CCPI: Prof. P.S. Badal Co-CCPI: Dr. V. Kamalvanshi	ICAR-NASF, New Delhi
		Economic and environmental impact of Surface Seeding Technology in Eastern Uttar Pradesh	PI: Prof. H. P. Singh Co-PI: Dr. O. P. Singh	ICSSR,
		Agri-Environment sustainability Agro ecosystem services and stakeholder's perception about it in eastern U.P.	PI: Dr. Anoop M.	IoE, BHU
		Development of optimum land use plan for sustainable rural livelihood in Vindhyan region of Uttar Pradesh	PI: Prof. P.S. Badal	IoE, BHU
		Seed to Seed outreach programme	PI: Dr V. Kamalvanshi Co-PI: Dr Amitava Rakshit	IoE, BHU
3	**Dairy Science & Food Technology**	Development of Spore based Rapid on Detection kit for Antibiotic Residues in Milk and Milk products.	PI: Prof. D.C. Rai	IoE, BHU
		Development of Drumstick (*Moringa oleifera*) Pod. Pulp powder by different modern industrially applicable drying techniques, its nutritional and functionality assessment and exploring appropriate packaging and storage conditions for enhanced shelf-life.	PI: Dr. V.K. Paswan	IoE, BHU
		Development of Technology for utilization of dairy Industry waste for biodegradable plastic production with potential application in food packaging industry.	PI: Dr. A.D. Tripathi	IoE, BHU
		Process Development and Value Addition of Selected Millets and Pulses Products	PI: Dr. D.S. Bunkar	IoE, BHU
		Development of A2 milk based functional indigenous dairy products & amp; their shelf-life extension using novel packaging means.	PI: Dr. Tarun Verma Co-PI: Prof. D.C. Rai Co-PI: Dr. A. D. Tripathi	IoE, BHU
		Prevalence of antibiotic resistance in dairy lactic starter culture Varanasi region	PI: Dr. Chhaya Goyal	IoE, BHU
		Development of Fibre Enriched Probiotic Dairy Product	PI: Dr. Sunil Meena	IoE, BHU
		Preparation of nanocapsules of bioactive compound using milk protein	PI: Dr. Ankita Hooda	IoE, BHU
4	**Entomology & Agricultural Zoology**	Field efficacy of new insecticides formulations/molecules against insect pests of cereals, vegetables and pulses	PI: Prof. S.V.S. Raju	Gharda Chemicals Ltd., UPL Limited, Syngenta India LTD.
		Bio-efficacy evaluation of botanical preparations against pests of paddy	PI: Prof. M. Raghuraman	DST (NIF)
		Evaluation of Ethiprole against insect pests of Rice	PI: Prof. M. Raghuraman	Bayer Crop Science, Mumbai
		Evaluation of Nimitz against pests of tomato	PI: Prof. M. Raghuraman	Adama India Ltd., Hyderabad
		Evaluation newer molecules against insect pests of rice	PI: Prof. M. Raghuraman	BASF Mumbai
		Efficacy of FIN21-01 against red gram pod borers *Helicoverpa armigera* and *Maruca vitrata/testulalis* on red gram when applied as a foliar spray. Duration of the project *Kharif* 2021-22 & 2022-23	PI: Dr. Ram Kewal	FMC India Private Limited, Bandra East, Mumbai
		Evaluation of E2Y45600SC g/l against Different insect pests of Chilli for two seasons.	PI: Dr. R.S. Meena	FMC India Private Limited
		Evaluation of insecticide FIN21-01 against different insect-pest in Chilli, Tomato and Onion Two season	PI: Dr. R.S. Meena	FMC India Private Limited
		Evaluation of insecticide FIN21-1against Yellow stem Borer, Rice leaf Folder on Rice Two season	PI: Dr. R.S. Meena	FMC India Private Limited
		Morphological, biochemical and molecular characterization of migratory planthoppers of rice and development of improved management strategy for Rice planthoppers	PI: Dr. Srinivasa N.	IoE, BHU

5	**Extension Education**	ICT mediated intervention and development among rural community of Varanasi district of Uttar Pradesh	PI: Dr. Kalyan Ghadei Co-PI: Dr. S.K. Goyal Co-PI: Dr. V. Kamalvanshi	DST, New Delhi
		Promoting Research Writing Skill among Teachers and Research Scholars of BHU	PI: Dr. Kalyan Ghadei	IoE, BHU
		Sustainability, socio-economic impact and crisis situation preparedness of Farmers Producer Companies in U.P.	PI: Dr. Saikat Maji	IoE, BHU
6	**Farm Engineering**	National Innovations in Climate Resilient Agriculture	PI: Prof. A.K. Nema	ICAR-CRIDA
		Water and Nutrient management through drip irrigation for better plant growth and quality production of rose and gerbera	Co-PI: Prof. R. M. Singh	UPCAR
		Enhancing resilience of agriculture to climate change in the mid Gangatic plains	Co-PI: Prof. R. M. Singh	ICAR-CRIDA
		Consultancy project on Evaluation study on doubling Farmer's income project in Bundelkhand region of Uttar Pradesh	Consultant: Prof. R. M. Singh	ICRISAT, Hyderabad
7	**Genetics & Plant Breeding**	Characterizing heat tolerance in pea to enhance productivity	PI: Dr. A. K. Singh	IoE, BHU
		Efficacy of E2Y45 600SC g/l against red gram pod borer (*Helicoverpa armigera*) Pod borer, *Maruca vitrata*/*testulalis*, pod fly (*Melanogromyza obtusa*) on red gram	PI: Dr. A. K. Singh	FMC India Pvt. Ltd., Mumbai, India
		Efficacy of FIN21-01 against Blackgram pod borers *Maruca vitrata*/testulalis, *Spodoptera litura* and *Helicoverpa armigera* in Blackgram as a foliar spray	PI: Dr. A. K. Singh	FMC India Pvt. Ltd., Mumbai, India
		An untargeted metabolite profiling of leaves to identify drought associated metabolite markers in field grown wheat	PI: Dr. Sandeep Sharma	DST
		Genome wide association mapping to dissect drought tolerance mechanisms in field grown bread wheat genotypes (*Triticum aestivum*)	PI: Dr. Sandeep Sharma	UGC
		Biofortified Wheat for EGPZ for Improved Human Nutrition	PI: Dr. V.K. Mishra Co-PI: Dr. Sandeep Sharma	IFPRI
		Accelerating the Mainstreaming of Elevated Zinc in Global Wheat Breeding: A "Fluoride in the Water" Approach to Nutrition (DFID DF)	PI: Dr. V.K. Mishra Co-PI: Dr. Sandeep Sharma	Bill and Melinda Gates Foundation (BMGF)
		Germplasm characterization and trait discovery in wheat using genomics approaches and its integration for improving climate resilience, productivity and nutritional quality	PI: Dr. V.K. Mishra Co-PI: Dr. Sandeep Sharma	DBT, New Delhi
		Development of superior haplotype based near isogenic lines (Haplo-NILs) for enhanced genetic gain in rice.	PI: Prof. S.K. Singh Co-PI: Dr. Jayasudha S.	DBT, New Delhi
		Harvest plus networking programme to Develop High Zinc Rice for Eastern India	PI: Prof. S.K. Singh Co-PI: Dr. Jayasudha S.	IFPRI, Washington DC (USA) and CIAT-Columbia
		Accelerated Genetic Gain in Rice (AGGRi)	PI: Prof. S.K. Singh Co-PI: Dr. Jayasudha S.	IRRI-Philippines
		AICRIP on Rice (Dev. Scheme 814)	PI: Prof. S.K. Singh Co-PI: Dr. Jayasudha S.	ICAR, New Delhi
		Improvement of traditional aromatic rice varieties of eastern India through induced mutagenesis for reduced height, earliness and grain quality	PI: Dr. Jayasudha S.	IoE, BHU
		Hybrids/Varieties Evaluation	PI: Dr. Jayasudha S.	Rasi Seeds Pvt. Ltd
		Hybrids/Varieties Evaluation	PI: Dr. Jayasudha S.	Nuziveedu Seeds Pvt. Ltd.
		Hybrids/Varieties Evaluation	PI: Dr. Jayasudha S.	Pravardhan Seeds Pvt. Ltd.
		From QTL to Variety: Genomic-Assisted Introgression and Field Evaluationof Rice Varieties with Genes/QTLs for Yield under Drought, Flood and Salt Stress	PI: Prof. P. K. Singh	DBT, New Delhi

		Accelerating Genetic Gain in Rice: (AGGRi): IRRI-NARES breeding networks using rapid-cycle genomic selection to deliver annual genetic gains of 2% in rice	PI: Prof. P. K. Singh	IRRI, India
		Identification of promising Short Grain Aromatic Rice varieties under organic cultivation	PI: Prof. P. K. Singh	UPCAR, Lucknow
		All India Co-ordinated Research Project on Rapeseed and Mustard	PI: Prof. K. Srivastava	ICAR, DRMR, Rajasthan
		Evaluation and Characterization of Climate Resilient Genotypes of Indian Mustard Against Abiotic Stresses (Drought, Heat)	Prof. K. Srivastava	UPCAR, Lucknow
		FLD (Front line demonstrations) in Rapeseed and Mustard.	PI: Prof. K. Srivastava	ICAR, DRMR, Rajasthan, MoA.&.FW
		Research and Development AICRP rapeseed and mustard	PI: Prof. K. Srivastava	ICAR, DRMR, Rajasthan, MoA.&.FW
		Training of Extension officers	PI: Prof. K. Srivastava	ICAR, DRMR, Rajasthan, MoA.&.FW
		Evaluation of Mustard and Bajra hybrids, at Banaras Hindu University, Varanasi	PI: Prof. K. Srivastava	Bayer Biosciences Pvt. Ltd.
		Evaluation of Mustard Hybrids at Banaras Hindu University, Varanasi,	PI: Prof. K. Srivastava	Nuzeevidu Seeds Pvt. Ltd.
		Evaluation of Mustard Hybrids at Banaras Hindu University, Varanasi,	PI: Prof. K. Srivastava	Prabhat Agri-Biotech Pvt. Ltd.
		Evaluation of Mustard Hybrids at Banaras Hindu University, Varanasi	PI: Prof. K. Srivastava	Bioseeds Pvt. Ltd
		Evaluation of Mustard Hybrids at Banaras Hindu University, Varanasi	PI: Prof. K. Srivastava	Pvt. Ltd
		Tribal Sub Plan	PI: Prof. K. Srivastava	ICAR, DRMR, Rajasthan, MoA&FW
		UPCAR Hybrid testing	PI: Prof. K. Srivastava	UPCAR sodh nidhi
8	**Horticulture**	Evaluation of newer insecticides on chilli.	PI: Prof. A.K. Pal	Bayer Crop Science, Lucknow
		Testing of tomato and chilli hybrids during *kharif* season.	PI: Prof. A.K. Pal	Monsanto Holdings Pvt. Ltd., Under Bayer Crop Sciences Pvt. Ltd, Lucknow
		Evaluation of okra, bitter gourd, early temperate cauliflower, pole beans, watermelon and cucumber hybrid during the kharif and Rabi season.	PI: Prof. A.K. Pal	Monsanto Holdings Pvt. Ltd., Under Bayer Crop Sciences Pvt. Ltd, Lucknow
		Evaluation of new herbicide product 2,4-D Amine Salt 58% SL against weed complex in Potato.	PI: Prof. A.K. Pal	ADAMA India Private Limited, Hyderabad, Telangana
		Water and nutrient management through drip irrigation for better plant growth and quality production of rose and gerbera.	PI: Prof. Anil K. Singh, Co-PIs: Dr. Anjana Sisodia, Dr. Kalyan Barman, Dr. Thupten Tsomu	UPCAR, Lucknow, Uttar Pradesh
		Mutation breeding of gladiolus, characterization and evaluation of Jamun and Bael germplasm wealth of BHU campus.	PI: Prof. Anil K. Singh	IoE, BHU
		Evaluation of new insecticides and fungicides on okra, tomato, potato and cucumber.	PI: Prof. Anand Kumar Singh	Bayer Crop Science, Lucknow
		Bioefficacy and phytotoxicity evaluation of Propaquizafop 10% EC for weed control in soyabean and onion.	PI: Prof. Anand Kumar Singh	Best Crop LLP

		Evaluation of new insecticides on cabbage.	PI: Prof. Anand Kumar Singh	ADAMA India Ltd., Hyderabad, Telangana
		Studies on yield and yield components of sponge gourd hybrid	PI: Dr. Kalyan Barman	Monsanto Holdings Pvt. Ltd., Under Bayer Crop Sciences Pvt. Ltd, Lucknow
		Collection, characterization and documentation of underutilized fruit crops of Uttar Pradesh region.	PI: Dr. Thupten Tsomu	IoE, BHU
9	**Mycology & Plant Pathology**	Integrated genomics and genetic approach of mungbean varieties with improve disease resistance	PI: Prof. Ramesh Chand	DBT, New Delhi & BBSRC, UK
		Screening for Turcicum blight resistance in indigenous non elite lines of maize in north east India	PI: Prof. Ramesh Chand	DBT, New Delhi
		Evaluation of the Bio-efficacy, Phytotoxicity and residue study of CIX - 3006A against Sheath Blight of Rice"	PI: Prof. S. S. Vaish	Coromandel International Ltd.
		Evaluation of the Bio-efficacy, Phytotoxicity and residue trials of CIX - 3015 against Late blight of Potato	PI: Prof. S. S. Vaish	Coromandel International Ltd.
		Evaluation of the Bio-efficacy, Phytotoxicity and residue study of Mancozeb 75% WP against Downy Mildew and Late Blight of Maize	PI: Prof. S. S. Vaish	Coromandel International Ltd.
		Evaluation of the Bio-efficacy, Phytotoxicity and residue study of Mancozeb 75% WP against Collar Rot and leaf Spot of Cauliflower	PI: Prof. S. S. Vaish	Coromandel International Ltd.
		Evaluation of Bio efficacy and Phytotoxicity of X0A05 against downy mildew of Cucumber	PI: Prof. S. S. Vaish	FMC India Private Ltd TCG Mumbai-51
		Evaluation of Bio efficacy and Phytotoxicity of X0A05 against leaf blight, stem blight & fruit rot of Capsicum	PI: Prof. S. S. Vaish	FMC India Private Ltd TCG Mumbai-51.
		Evaluation of the Bio-efficacy and Phytotoxicity of FIN21-02 against Root knot nematode in Chilli	PI: Prof. S. S. Vaish	FMC India Private Limited
		Evaluation of the Bio-efficacy and Phytotoxicity of FIN21-02 against Root knot nematode in Cucumber	PI: Prof. S. S. Vaish	FMC India Private Limited
		Evaluation of Bio efficacy and Phytotoxicity of Myclobutanil 10% WP against Powdery mildew and Cercospora Leaf Spot of Black Gram	PI: Prof. S. S. Vaish	NACL Industries Limited, Hyderabad
		Evaluation of the Bio-efficacy and Phytotoxicity of Mastercop (CSPAI-01) against Anthracnose & Bacterial Fruit Rot in Chilli	PI: Prof. S. S. Vaish Co-PI: Prof. Anand Kumar Singh	ADAMA India Pvt. Ltd., Hyderabad
		Development of sensors for blast and blight diseases and stomatal activity measurement in rice (*O. sativa* L.)	PI: Prof. B.K. Sarma	ICAR (NASF), New Delhi
		Establishment of Biotech-KISAN Hub at ICAR-NBAIM	PI: Prof. B.K. Sarma	DBT, New Delhi
		Microbial technology dissemination for scaling-up of vegetable cultivation through women participation	PI: Prof. B.K. Sarma	DST, New Delhi
		Unraveling transgenerational impact of competent rhizosphere microbes in chickpea under *Fusarium oxysporum* f.sp. *ciceris* challenge	PI: Prof. B.K. Sarma	ICAR, New Delhi
		Evaluation of new fungicides MAFRM-14 and MAFRM-15 against Powdery mildew (*Leveillula taurica*), Leaf spot and Fruit rot in Chilli	PI: Prof. B.K. Sarma	ADAMA India Pvt. Ltd., Hyderabad

		Evaluation of Domark against Powdery mildew of Cucumber, Fantic M against Downy mildew of Cucumber and Late blight of Tomato	PI: Prof. B.K. Sarma	JivAgro Ltd., Mumbai
		Development of bio-farming oriented rural livelihood agri-preneurship through conversion of floral wastes/ crop residue to wealth among SC/ST farmers to promote eco-friendly rural village in Eastern Uttar Pradesh	PI: Prof. B.K. Sarma	DST, New Delhi
		Discovering pathogenicity-related genes and race identification in *Fusarium udum* - a step forward for developing resistance in pigeonpea	PI: Prof. B.K. Sarma Co-PI: Dr. Anil Kumar Singh	IoE, BHU
		Expansion of Activities of Biotech-KISAN Hub in Two Aspirational Districts (Balrampur and Sravasti) of Uttar Pradesh	PI: Prof. B.K. Sarma	DBT, New Delhi
		Management of wilt disease in pulse crops using bioformulations	PI: Dr. Ankita Sarkar Co-PI: Dr. Birinchi Kumar Sarma, Dr. Rakesh Kumar Singh, Dr. D.D. Bhutia	UPCAR, Lucknow
		Evaluation of bioeffiecacy of different chemicals against different diseases	PI: Dr. R.K. Singh	UPL, Mumbai
		Evaluation of bioeffiecacy of different chemicals against different diseases	PI: Dr. R.K. Singh	SWAL Mumbai
		Evaluation of bioeffiecacy of different chemicals against different diseases	PI: Dr. R.K. Singh	ADAMA, Hyderabad
		Evaluation of bioeffiecacy of different chemicals against different diseases	PI: Dr. R.K. Singh	Syngenta Pvt. Limited, Pune
		Evaluation of bioeffiecacy of different chemicals against different diseases	PI: Dr. R.K. Singh	FMC, Mumbai
		Bio - efficacy and Phytotoxicity evaluation of Myclobutanil 10% WP against Powdery mildew and Anthracnose diseases in Mango.	PI: Prof. Anand Kumar Singh Co- PI: Dr. S. P. Singh	NACL, Industries Limited
		Evaluation of Bioefficacy and Phytotoxicity of FF2101 against powdery mildew in Cucumber	PI: Dr. S. P. Singh Co-PI: Prof. Anand Kumar Singh	FMC India Private Ltd.
		Evaluation of Bioefficacy and Phytotoxicity of FF2101 against powdery mildew and Anthracnose in Chilli	PI: Dr. S. P. Singh Co-PI: Dr. A.K. Pal	FMC India Private Ltd.
		Evaluation of Bioefficacy and Phytotoxicity of FF2101 against False smut and dirty panicle in Rice	PI: Dr. Nikhil Singh Co-PI: Dr. S. P. Singh	FMC India Private Ltd.
10	**Plant Physiology**	Bioconversion of agricultural wastes into high value biocompost: a sustainable approach to enhance crop nutritional values and farmer's economy	PI: Prof. Padmanabh Dwivedi	IoE-BHU
		Identification of promising short grain aromatic rice lines for organic cultivation	Co-PI: Dr. (Mrs.) Savita Jangde	UPCAR, Lucknow
		Physiological characterization of terminal heat stress in wheat (*Triticum aestivum* L)	PI: Dr. Md. Afjal Ahmad	IoE-BHU
11	**Soil Science & Agricultural Chemistry**	Enhancing resilience of agriculture to climate change in the mid gangetic plain. Collaborative research project with IARI, New Delhi under NICRA programme	PI: Prof. Satish Kumar Singh	ICAR-IARI, New Delhi
		Effect of Biogas Slurry based Sudhan Products on growth and yield of Important crops in Varanasi Regions (UP). Funded by National Dairy Development Board (NDDB), Anand, Gujarat	PI: Prof. Satish Kumar Singh	NDDB, Anand, Gujrat
		Evaluation of the effect of TZ-708 dispersible granules on qualitative, quantitative parameters, nutrient uptake, soil physico-chemical properties and yield of rice and maize crops	PI: Prof. A.K. Ghosh Co- PI: Prof. M.K. Singh	Sulphur Mills
		Evaluation of Polysulphate (Dihydrate Poly Halite) in vegetable farming for sustainable farm yield and soil health	PI: Prof. A.K. Ghosh Co- PI: Prof. A.K. Nema	ICL India
		Optimization and Evaluation of POLY-4 (Polyhalite) on soil fertility, yield and quality of crops under rice	PI: Prof. P.K. Sharma	Sirius Minerals, Ltd., New Delhi

		–wheat cropping system in alluvial soils of eastern Uttar Pradesh, India		
		Effect of Seaweed Extract (*Ascophyllum nodosum*) on productivity of Potato	PI: Prof. P.K. Sharma	Mosaic India
		Soil test crop response correlation in Eastern Uttar Pradesh	PI: Dr. Y.V. Singh Co-PI: Prof. S.K. Singh and Prof. P.K. Shrama	ICAR, New Delhi
		Inventorization of the Agriculturally important microorganisms for catalyzing agriprenurship	PI: Dr. Amitava Rakshit	DST, New Delhi
		Establishing Soil testing laboratory services centre for eastern UP and Jharkhand for sustaining production and balanced resource utilisation	PI: Dr. Amitava Rakshit	Bayer Crop Science Limited
		A systematic approach for herbicide synergies in Wheat	PI: Dr. N. De	Sagun Industries Ltd.
		Studies on growth and yield parameters under the influence of sulphur in Chilli	PI: Dr. N. De	Dayal Fertilizers Ltd.
		Efficacy of insecticide synergies in the pest management of Okra	PI: Dr. N. De	Haryana Pesticides Manufacturers Association
12	**KVK, Barkachcha**	Fodder and Livestock based farming system based approach for livelihood improvement of SC Farmers of Mirzapur of UP (M21-03)	PI: Prof. Shree Ram Singh	IGFRI, Jhansi
		Seed hub Pulses	PI: Prof. Shree Ram Singh	IISR, Lucknow and IIPR, Kanpur (U.P.)
		Seed Hub Oilseed	PI: Prof. Shree Ram Singh	DRMR, Bharatpur, (Raj.)
13	**Department of Animal Genetics and Breeding**	Transcriptome analysis of blood and milk neutrophil during implantation: In search of marker for early pregnancy detection in cattle	PI: Dr. Anshuman Kumar	IoE Seed Grant, BHU
		Development of genomic tool for determining breed purity in Indian cattle breeds	PI: Dr. Vineeth M. R	IoE Seed Grant, BHU
14	**Livestock Products Technology**	Study the effect of cirtic acid, acetic acid, ascorbic acid and glucono-delta-lacton (GDL) in yield, quality and sensory parameters of paneer	PI: Dr. Saurabh Karunamay Co-PI: Dr.Dhananjay Kumar, Dr, Dipanwita Bhattacharya, Dr. Rajat Varshney	IoE, BHU
		Development and Quality Evaluation of Fermented Milk Product Using Custard Apple (*Annona Squamosa* L.)	PI: Dr. Dipanwita Bhattacharya Co-PI: Dr.Dhananjay Kumar, Dr. Abhisekh K. Tripathi	IoE, BHU
		Development and evaluation of flavored fermentated milk products: Flavored dhai, lassi and shrikhand	PI: Dr.Dhananjay Kumar	IoE, BHU
15	**Veterinary Physiology & Biochemistry**	Ethno-medicinal Insight into the anti-cancerous potential of Indigenous plant on cancer cell line	PI: Dr.Pavan Kr. Yadav	IoE, BHU
		Effect of restricted feeding and refeeding on hematological, physio-biochemical, hormonal and leptin gene expression of barbari goat in different season	PI: Dr. Mukesh Kumar Bharti Co-PI: Dr. Thulasiraman P.	IoE, BHU
		Effect of feed restriction and refeeding in Barbari goat with special reference to MCT Gene Expression and Meat Quality Parameters in different seasons.	PI: Dr. Thulasiraman P. Co-PI:Dr. Mukesh Kumar Bharti	IoE, BHU
		Identification and Validation of estrus specific molecule in cattle urine for development of real time based point of care estrous diagnostic kit	PI: Dr. Mayukh Ghosh	IoE, BHU
		Meat & egg sustainability through integrated poultry productivity improvement	PI: Dr. Mayukh Ghosh (Collaborating Institute) Co-PI: Dr. Pavan Kumar Yadav, Dr. Kuldeep Kumar Verma, Dr. Abhishek	National Livestock Mission (NLM), DAHD, GoI

			Kumar Singh and Dr. M.S. Mahesh	
		Conservation of elite indigenous breeds of cows, using modern techniques and surrogacy.	PI: Dr. Manish Kumar Co-PIs: Dr. Priya Ranjan Kumar; Dr. Neeraj Thakur; Dr. Kaustubh Kishor Saraf and Dr. Ajeet Singh	RKVY
		Application of stem cells laden scaffold for skin tissue regeneration in animal	PI: Dr. Manish Kumar	IoE, BHU
16	**Department of Veterinary Gynaecology and Obstetrics**	Efficiency of embryo production by ovum pick up: An inceptive study in Bhadawari buffaloes	PI: Dr. Sanjay Kumar Ravi	Science and Engineering Board
		Study on conventional and vitrification methods to cryopreserve sperm in Gangatiri bull	PI: Dr. Sanjay Kumar Ravi Co-PI: Dr. Priya Ranjan Kumar, Dr. Santosh Marandi	IoE, Banaras Hindu University
		Cloning and expression of Fim H and Plo protein of *Escherichia coli* and *Trueperella pyogenes* causing uterine infections in bovine	PI: Dr. B. Balamurugan	IoE, Banaras Hindu University
		Conservation and phenotypic documentation of Mirzapuri goat breed	PI: Dr. Priya Ranjan Kumar Co-PI: Dr. Mahipal Choubey, Dr. Anshuman Kumar	UPCAR
17	**Department of Animal Nutrition**	Nutritional interventions to ameliorate productive and health losses in broiler flock due to heat stress	PI: Dr. Mahipal Choubey	IoE Cell, BHU
		A pilot study on dietary incorporation of Moringa oleifera in livestock feeding	PI: Dr. Sandeep Kumar Chaudhary	IoE Cell
		Evaluation of feeding moringa supplemented TMR blocks on lactation performance of animals	PI: Dr. Abhishek Kumar Singh	IoE Cell
18	**Livestock Production Management**	Heat stress and pathogenic load amelioration in broiler and layer chicken with supplementation of herbal substitutes: Aloe vera & Quercetin	PI: Dr. Utkarsh Kumar Tripathi	IOE (BHU- IOE Seed Grant)
		Poultry rearing: Backyard poultry farming for sustainable livelihood in the rural areas of Vindhyan region	PI: Dr. Utkarsh Kumar Tripathi Co-PI: Dr. Anuradha Kumari, Dr. Manish Kumar	RKVY
		Effect of dietary supplementation of sodium bicarbonate and vinegar on the performance of broilers	PI: Dr. Vipin Maurya	IoE, BHU
		Effect of supplementation of herbal antioxidants on performance, egg quality, blood biochemical profile and immune status during summer stress in desi laying hens	PI: Dr. Anuradha Kumari	IoE, BHU
		Cost effective managemental interventions to ameliorate heat stress in commercial broiler chickens	PI: Dr. Kuldeep Kumar Verma	IoE, BHU
19	**Veterinary Anatomy**	Cytological changes in the foeto-maternal complex of pregnant rats on exposure to formalin	PI: Dr. Archana Mahapatra	IoE, BHU
		Development of Teaching Stomach Models for Veterinary Education	PI: Dr. Raja Ravi Teja	IoE, BHU
		Histological Investigation of sperm storage tubules (SSTs) during sperm uptake in Kadaknath fowl	PI: Dr. Satish Kumar Pathak	IoE, BHU
		Synthesis of collagen based tissue Implant and its application in wound healing	PI: Dr. Jigyasa Rana	IoE, BHU
20	**Veterinary Pathology**	Development of a novel decellularized bioscaffold from caprine cholecyst	PI: Dr. Suvaneeth P.	IoE, BHU
		Pathomorphology and molecular diagnosis of respiratory pathogens with special reference to Corona virus in animals and bats	PI: Dr. Menaka Sethi	IoE, BHU

		To study gross pathological lesions and preservation of different pathological conditions of poultry, pet and domestic animals	PI: Dr. Sarvan Kumar	IoE, BHU
		Establishment of an animal necropsy facility with incinerator in eastern Uttar Pradesh region: A measure towards diagnostics, control and prevention of zoonotic diseases	PI: Dr. Sarvan Kumar	RKVY, Lucknow – Uttar Pradesh
21	**Veterinary Surgery and Radiology**	Development of dynamic compression plates from discarded bovine hooves and Characterization of their potential in bone fracture repair and healing	PI: Dr. Naresh Kumar Singh	IoE, BHU
22	**Veterinary Parasitology**	Prevalence and molecular characterization of *Cryptosporidium* species solated from domestioc animals of Vindhyan region.	PI: Dr. Saroj Kumar	IoE, BHU
		Advanced molecular and proteomic fingerprinting based identification and typing of ticks from different geographical regions of India	PI: Dr. Souti Prasad Sarkhel	IoE, BHU
		To study the immunoprotective effect of putative gametocyte stage antigens of *Eimeria tenella* in combination with *E. tenella* Immune Mapped Protein1 (EtIMP1).	PI: Major (Dr) Krishnendu Kundu	IoE, BHU
		Characterization of immune responses elicited by the microgamete antigen of *Eimeria tenella*. caecal coccidia infecting domestic chicken	PI: Major (Dr) Krishnendu Kundu	UGC-BSR Grant
23	**Veterinary Pharmacology and Toxicology**	Effect of homeopathic medicine on Blood Pressure, vascular function of Aorta and Nitric Oxide in Hypertension Rats	PI: Dr. Shahid Prawez	IoE, BHU
		Molecular, functional characterization and modulation of TRPV4 signaling pathway in Chemical (DOCA) model of Hypertension	PI: Dr. Arunvikram Kandasamy	IoE, BHU
		Study of the serotonergic pain signaling pathway in Experimentally induced pain in Rats/Mice	PI: Dr. Nitya Nand Pathak	IoE, BHU
24	**Veterinary Extension**	Development of Android Based Mobile Application for Livestock Management practices and its effectiveness among Livestock Rearers	PI- Ajay Kumar Chaturvedani Co-PI: Dr. Jayant Goyal	IoE, BHU
		Connecting Farmers with BHU for Livestock Services through Veterinary Mobile Hotline	PI: Dr. Jayant Goyal Co-PI: Dr. Ajay Kumar Chaturvedani	IoE, BHU
25	**Veterinary Medicine**	Investigation of arthropod vectors parasitizing goats of two agroclimatic regions of India	PI: Dr Ajith Y.	IoE, BHU
		Isolation and characterization of caprine ovarian stem cells	PI: Dr Dayanidhi Jena	IoE, BHU
		Effect of hormonal imbalance over eye in ovariohysterectomized dog	PI: Dr Vinod Kuma	IoE, BHU
		Development of amultiplex, lateral flow-based point of care device for rapid detection of *Theileria*, *Babesia* and *Anaplasma* infection in cattle: A new perspective to multi-antigen print immuno assay(MAPIA)"	PI: Dr Prasanta K. K. Mishra	DST-SERB
		Establishment of a referral veterinary diagnostic center for timely detection and screening of animal diseases in eastern Uttar Pradesh region: A step towards accomplishing one health goal	Co-PI: Dr Prasanta K. K. Mishra	RKVY
		Construction of protein-L- isoaspartate (O) methyl transferase (pimt) deletion mutant of *Pseudomonas aeruginosa* and its evaluation against various stresses	PI: Dr Prasanta K. K. Mishra	IoE, BHU
		Diagnosis and screening of Canine distemper, Infectious Canine hepatitis, Canine parvovirus and canine ehrlichiosis in dogs presented to clinics VCC, FVAS by molecular (PCR) and serological (ELISA) techniques and to study the clinicopathological parameters changed according to different seasons and breeds of dogs in Vindhyachal region	PI: Dr Kadam Rahul Ganpatrao	IoE, BHU
		Establishment of a referral veterinary diagnostic center for timely detection and screening of Animal diseases	PI: Dr Kadam Rahul Ganpatrao	RKVY

		in eastern Uttar Pradesh region: A step towards accomplishing one health goal		
		Establishment of necropsy facilities with incinerator in eastern Uttar Pradesh region: A measure towards	Co-PI: Dr Kadam Rahul Ganpatrao	RKVY
		Prevalence of various parvo virus strains and maternal antibody titer against parvovirus in canines	PI: Dr Neeraj Thakur	IoE, BHU
		Conservation of elite indigenous breeds of cow using modern techniques and surrogacy	Co-PI: Dr Neeraj Thakur	RKVY
		1 Moleculae Epidemiology of Amaplasmosis in domestic bovines	PI: Dr. Kruti D. Mandal	IoE, BHU
		1.Anthelmentic efficacy of cucurbita pepo against GI helminths of goats	PI: Dr. Saurabh Zingare	IoE, BHU
26	**Department of Veterinary Microbiology**	Evaluation of antibiotic resistance status in BHU, Mirzapur and exploration of strategies to combat emerging antibiotic resistance	PI: Dr. Rajat Varshney	IoE, BHU
27	**Department of Veterinary Microbiology**	Prevalence of Coronaviruses in livestock and pet population in India and their possibilities of species jumping	PI: Dr. Manu M	IoE, BHU

In academic session 2021-22, (01.04.2021 to 31.03.2022) 13 conferences / seminars / symposiums etc. were organized by the Institute, which are listed below:

Sl.no.	Title of Conference / Seminar / Symposia etc.	Funding Agency	Period	National / International	Organizing Department
1	XV Agricultural Science Congress	NAAS, ICAR, CIMMYT	13-16 November 2021	National	Institute of Agril. Sciences, BHU
2	Global Perspective on New Horizons in Dairy Industries	BHU	1 June 2021	International	Dairy Science and Food Technology
3	Nutritional approaches of Dairy Foods for healthy life	BHU	1 June 2021	National	Dairy Science and Food Technology
4	Industry Academia Partnership: A Step Towards Healthy and Wealthy Nation	BHU, IDA- North east chapter	30 October 2021	International	Dairy Science and Food Technology
5	Recent Advances in Animal Health and Hygiene Practices of Dairy Cattle	BHU, IDA- North east chapter	26 November 2021	National	Dairy Science and Food Technology
6	Mobile Apps and Agriculture	DST, New Delhi	26 February 2022	National	Mycology and Plant Pathology
7	Three days agribusiness leadership programme	Better Life Farming	5-7 October 2021	National	Soil Science & Agricultural Chemistry
8	Five-day Agri- entrepreneur's training program	Better Life Farming	6-10 April 2021	National	Soil Science & Agricultural Chemistry
9	Indian Society of Extension Education National Seminar	Indian Society of Extension Education, NABARD, ICAR	4-6 October 2021	National	Department of Extension Education
10	Workshop on Agricultural Legislation for Agriculture Extension Professionals	MANAGE, Hyderabad	20-24 November 2021	National	Department of Extension Education
11	Workshop on Academic Writing	IoE, BHU	1-2 December 2021	National	Department of Extension Education
12	Farmers Training at Cholapur, Varanasi	DST Project	23-25 January 2022	Local	Department of Extension Education
13	Farmers Training at Arjline, Varanasi	DST Project	16-22 January 2022	Local	Department of Extension Education

During the academic session 2021-22, (01.04.2021 to 31.03.2022) 43 faculty members of the Institute have been deputed to attend conferences / seminars / symposiums etc. in India and abroad. The details are as follows:*

Sl.no.	Name of the Department	Name of the Faculty Member	In India or Abroad	Period of deputation (dates)	Purpose of Visit
1	**Agronomy**	Dr. U. P. Singh	India	23-27 November 2021	5th International Agronomy Congress, Hyderabad
		Dr. U. P. Singh	India	13-16 November 2021	XV Agricultural Science Congress

		Prof. J.K. Singh	India	25-26 September 2021	To participate in the international conference on 'Recent....security' at Varanasi (virtual mode).
		Prof. J.K. Singh	India	13-16 November 2021	To participate in the XV Agricultural Science Congress & ASC EXPO at BHU, Varanasi
		Prof. J.K. Singh	India	23-27 November 2021	To participate in the 5th International Congress, Hyderabad (virtual mode)
		Prof. J.K. Singh	India	25-26 February 2022	To participate in the national webinar organized by the Society for Fertilizers and Environment, Kolkata
		Dr. Sudhir Kumar Rajpoot	India	23-27 November 2021	5th International Agronomy Congress, Hyderabad
		Dr. Sudhir Kumar Rajpoot	India	13-16 November 2021	XV Agricultural Science Congress, Institute of Agricultural Sciences, Banaras Hindu University
		Dr. J.P. Singh	India	23-27 November 2021	5th International Agronomy Congress, Hyderabad
		Dr. S.P. Singh	India	23-27 November 2021	5th International Agronomy Congress, Hyderabad
2	**Dairy Science and Food Technology**	Dr. Arvind	Offline, India	13-16 November 2021	XV Agricultural Science Congress, Institute of Agricultural Sciences, Banaras Hindu University
		Chhaya Goyal	India	1 June 2021	International webinar on 'Global Perspective on New Horizons in Dairy Industries' with the collaboration of Indian Dairy Association (Eastern UP Chapter) and the University of Georgia, USA held at Department of Dairy Science and Food Technology in association with National Academy of Dairy Science (India).
		Chhaya Goyal	India	1 June 2021	Acted as moderator in the organization of National webinar on "Nutritional Approaches of Dairy Foods for Healthy life" on the occasion of World Milk Day on 1st June 2021, held at Department of Dairy Science and Food Technology in association with National Academy of Dairy Science (India).
		Chhaya Goyal	India (Attended online)	31 May 2021	Attended an International Webinar "Advances in Aseptic Processing and Packaging" held on 31st May, 2021 organized by ICAR-NDRI and NAHEP.
		Chhaya Goyal	India (Attended online)	21-23 October 2021	Attended an International Virtual symposium on "OMICS in Redefining Modern Biology" organized by CCMB, Hyderabad during 21st -23rd October, 2021.
		Chhaya Goyal	India	30 October 2021	Attended and helped in organization of an International Seminar on "Industry Academia Partnership: A step Towards Healthy and Wealthy Nation" held on 30th October 2021 at DSFT, BHU, Varanasi.
		Chhaya Goyal	India (Attended online)	21-29 October 2021	Attended Eight Days International author workshop on "Academic Writing and Publishing" in collaboration with the renowned publishers (Elsevier, Taylor and Francis, Cambridge University Press Springer Nature, Brill, Oxford University Press, Emerald, and Wiley) held during 21-29 October 2021 organized by Manipur University Library.
		Sunil Meena	Abroad (Online)	17-18 December 2021	Attended 10th International Conference on Fermented Foods, Health Status and Social Well-being (Through Video-link) held at University Research Council of University of Peradeniya, Sri Lanka in collaboration with SASNET-FF
		Sunil Meena	India (Online)	29 November 2021	Attended International Webinar on "Membrane Separation of Dairy Streams:

					An Industrial Perspective" (Through Video-link). Organized by ICAR- National Dairy Research Institute, Karnal, Haryana
		Sunil Meena	India (Online)	26-28 October 2021	Attended 27th International Conference of International Academy of Physical Sciences (CONIAPS XXVII) on "Advances in Food Sciences and Technology (Through Video-link). Organized by North-Eastern Hill University, Tura Campus, Meghalaya, India in association with Swedish South Asian Network On Fermented Foods, Anand, Gujarat, India
		Sunil Meena	India (Offline)	13-16 November 2021	XV Agricultural Science Congress, Institute of Agricultural Sciences, Banaras Hindu University
		Sunil Meena	India (Offline)	30 October 2021	Attended International Seminar on "Industry Academia Partnership: A Step Towards Healthy and Wealthy Nation". Poster Presented on "Technology for preparation for stable spray dried curcumin encapsulates" organized by Department of Dairy Science and Food Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi (India)
3	**Entomology & Agricultural Zoology**	Prof. M. Raghuraman	India	26 April 2021	Impact of climate change and invasive alien species on agriculture, ANGRAU, Hyderabad, Telengana, India
		Prof. M. Raghuraman	India	22 September 2021	Entomophagy for livelihood security and ecological engineering for innovative pest management, ICAR research complex for eastern region, Patna, India
		Dr. R.S. Meena	India	25-26 September 2021	Mahima research foundation and social welfare, 194, Karaundi, BHU, Varanasi
		Dr. R.S. Meena	India	9-10 January 2021	International webinar on Climate Resilient Agriculture for food and nutrition security 9-10 January 2021 I Ag. SC BHU Varanasi
		Dr. Srinivasa N.	India	21 February to 2 March 2022	10 days training on "Quality control of microbial bio-pesticides"
4	**Genetics and Plant Breeding**	Dr. A. K. Singh	India	15-18 December 2021	Attended QRT meeting of AICRP pulse projects at Birsa Ag. University, Ranchi
		Prof. S.K. Singh	India	7 June 2021	DBT-Haplo-NiLs WS2021 Planning meeting (online).
		Prof. S.K. Singh	India	24 July 2021	DBT-HaploNiLs training on Glycemic index analysis in online mode by Dr. Ramchander IRRI Philippines
		Prof. S.K. Singh	India	31 May2021	State Kharif 2021 variety testing meeting through video conferencing at Commissioner office Varanasi
		Prof. S.K. Singh	India	24 May2021	One IRRI Planning Meeting Wet 2021 held online and attended by more than 70 Scientists from Philippines and India
		Prof. S.K. Singh	India	13th 15th, 16th, 17th, 19th and 20th April 2021	Attended 56th AICRIP-Rice Annual Group Meeting on Webinar (online).
		Prof. S.K. Singh	India	13-15 May 2020	Attended AICRIP-Rice Annual Group Meeting on Webinar (online)
		Prof. S.K. Singh	India	24 July 2021	6th Executive Council Meet of ISGPB (online)
		Prof. S.K. Singh	India	16 July 2021	Advancement meeting of AGGRi Alliance, IRRI, Philippines (online)
		Prof. P. K. Singh	India	16-20 January 2021	Resource person in International conference on Advances in Agriculture and food sciences to face the challenges to environment and biosecurity, organized by Sharda University, Greater Noida during 2021 (online)

		Prof. P. K. Singh	India	27 January 2021	Resource person for Faculty Development Program at College of Agriculture and forestry, CAU Pasighat, Arunachal Pradesh during 2021 (online)
		Prof. P. K. Singh	India	1 February 2021	Resource person for Women Entrepreneurship Development Programme (WEDP) at College of Agriculture and forestry, CAU Pasighat, Arunachal Pradesh during 2021 (online)
		Prof. P. K. Singh	India	3-5 February 2021	Resource person in International webinar on capacity building on seed production under Indo–German Cooperation on seed sector development during 2021 (online).
		Prof. P. K. Singh	India	9-10 January 2021	Convener of International Webinar on Climate Resilient Agriculture for Food and Nutrition Security -2021) during 2021
		Prof. P. K. Singh	India	21-22 April 2021	Annual Workshop of AICRP-NSP and ICAR Seed Project
		Prof. P. K. Singh	India	19 July 2021	Convener of organized Farmers Training under the project Accelerating Genetic Gain in Rice: (AGGRi): IRRI-NARES breeding networks using rapid-cycle genomic selection to deliver annual genetic gains of 2% in rice at Chandauli during, 2021
5	**Horticulture**	Prof. A.K. Pal	India	13-16 November 2021	To attend XV Agricultural Science Congress at Institute of Agricultural Sciences, Banaras Hindu University
		Prof. Anil K. Singh	India	13-16 November 2021	To attend XV Agricultural Science Congress at Institute of Agricultural Sciences, Banaras Hindu University
		Prof. B.K. Singh	India	13-16 November 2021	To attend XV Agricultural Science Congress at Institute of Agricultural Sciences, Banaras Hindu University
		Prof. Anand Kumar Singh	India	13-16 November 2021	To attend XV Agricultural Science Congress at Institute of Agricultural Sciences, Banaras Hindu University
		Dr. Kalyan Barman	India	13-16 November 2021	To attend XV Agricultural Science Congress at Institute of Agricultural Sciences, Banaras Hindu University
		Dr. Kalyan Barman	India	13-16 November 2021	To attend and present paper in 9th Indian Horticulture Congress-2021 at Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, Uttar Pradesh
		Dr. Anjana Sisodia	India	13-16 November 2021	To attend XV Agricultural Science Congress at Institute of Agricultural Sciences, Banaras Hindu University
		Dr. Thupten Tsomu	India	13-16 November 2021	To attend XV Agricultural Science Congress at Institute of Agricultural Sciences, Banaras Hindu University
6	**Mycology and Plant Pathology**	Prof. S.S. Vaish	India	15-16 July 2021.	Invited Lecture on "Status of *Catenaria anguillulae* Sorokin and its potential for management of plant parasitic nematodes" at International e-Conference on "Harnessing Microbes in Agriculture: An opportunity for Organic Farming" organized by Gopal Narayan Institute of Agricultural Sciences, Gopal Narayan Singh University, Jamuhar, Bihar
		Prof. S.S. Vaish	India	27-29 September 2021	Invited Lecture on "Seed Bio-Priming for Plant Disease Management" at "International webinar on Seed Quality Enhancement" organized by the ICAR - IISS, Mau, Uttar Pradesh
		Prof. S.S. Vaish	India	13-16 November 2021	Presented paper at XV Agricultural Sciences Congress and ASC Expo 2021 held at BHU, Varanasi and organized by NAAS New Delhi and BHU.
		Prof. S.S. Vaish	India	18-20 February 2022	Chaired a session in an International Conference on "Recent Advances for

					Managing Sustainable Soil Health and Crop Production" organized by GKV society, Agra, India
		Prof. S.S. Vaish	India	26 February 2022	Chaired one day workshop on "Mobile Apps in Agriculture" organized by Department of Mycology and Plant Pathology
		Prof. S.S. Vaish	India	21-22 February 2022	Presented a paper at National Symposium on "Recent Trends in Phytopathology to Address Emerging Challenges for Achieving Food Security" at ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora, Uttarakhand organized by Indian Phytopathological Society Mid Eastern Zone Chapter
		Prof. Ram Chandra	India	6-8 September 2021	Key note lecture delivered online at College of Horticulture and Forestry, Central Agricultural University, Imphal
		Prof. Ram Chandra		20 -25 March 2021	Key note lecture delivered online at Department of Plant Pathology, OUAT, Bhawanipatna
		Prof. B.K. Sarma	India	2 July 2021	Invited Speaker at National Webinar on "Microbial Biopesticide: Next Generation Preparedness" organized by DBT-North East Centre for Agricultural Biotechnology, AAU, Jorhat, Assam and sponsored by DBT, Govt. of India
		Prof. B.K. Sarma	India	6 June 2021	Guest Speaker at National Webinar on "Microbial Pesticides - A Way towards Crops and Environmental Protection" organized by Centre for Agriculture Production and Department of Plant Pathology, M. S. Swaminathan School of Agriculture, Centurion University of Technology and Management, Odisha, India
		Prof. B.K. Sarma	India	15-16 July 2021	Invited Lecture in the International e-Conference on "Harnessing Microbes in Agriculture: An opportunity for Organic Farming" organized by Narayan Institute of Agricultural Sciences, Gopal Narayan Singh University, Jamuhar, Bihar
		Prof. B.K. Sarma	India	21-22 February 2022	Lead lecture in National Conference on "Recent trends in Phytopathology to address emerging challenges for achieving food security" organized by ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan Almora, Uttarakhand and Indian Phytopathological Society
		Prof. B.K. Sarma	India	7-9 January 2022	Lead Lecture and Chaired a session in International Conference on "Biotechnological Initiatives for Climate Resilient Agriculture-2022" organized by NAHEP-ICAR, New Delhi and Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar
		Dr. R.K. Singh	India	19-20 April 2021	56 th Annual Rice Group Meeting, IIRR, Hyderabad
		Dr. S.P. Singh	India	13-16 November 2021	XV Agricultural Science Congress & ASC Expo "Energy and Agriculture: Challenges in 21st century", Institute of Agricultural Sciences, B.H.U., Varanasi
		Dr. S.P. Singh	India	24-25 June 2021	National Webinar "Plant diseases in Eastern and Northeastern India: Current Dynamics and Proposed Action plan for their management" organized by Department of Plant Pathology and AICRP on Pigeonpea, College of

					Agriculture, Tripura, in association with ICAR- NBAIR, Bengaluru
		Dr. S.P. Singh	India	6 June 2021	Webinar on "Microbial Pesticides - A Way towards Crops and Environmental Protection" organized by Centre for Agriculture Production and Department of Plant Pathology, M. S. Swaminathan School of Agriculture, Centurion University of Technology and Management, Odisha, India
		Dr. Ankita Sarkar	India	13-16 November 2021	XV Agricultural Science Congress & ASC Expo "Energy and Agriculture: Challenges in 21st century", Institute of Agricultural Sciences, B.H.U., Varanasi
		Dr. Ankita Sarkar	India	6 June 2021	Webinar on "Microbial Pesticides - A Way towards Crops and Environmental Protection" organized by Centre for Agriculture Production and Department of Plant Pathology, M. S. Swaminathan School of Agriculture, Centurion University of Technology and Management, Odisha, India
		Dr. Ankita Sarkar	India	4-5 February 2021	Webinar on "Next Generation Sequencing For Deciphering Host-Pathogen Interactions" by Indian Phytopathological Society
		Dr. Ankita Sarkar	Pakistan	25 May 2021	International Webinar on "The Nature of A Cyst Nematode Population Suppression" in online mode. Organized by The Islamia University of Bahawalpur,Pakistan Department of Plant Pathology, Faculty of Agriculture And Environment & Pakistan Phytopathological Society
		Dr. Ankita Sarkar	India	24-25 June 2021	National Webinar on Plant Diseases in Eastern and Northeastern India: Current Dynamics and Proposed Action Plan for Their Management. Organized by Department of Plant Pathology and AICRP on Pigeonpea, College of Agriculture, Tripura, in association with ICAR-National Bureau of Agricultural Insect Resources, Bengaluru
		Dr. Ankita Sarkar	India	2 July 2021	National Webinar on "Microbial Pesticides: Next Generation Preparedness" Organized by Department of Plant Pathology Assam Agricultural University, Jorhat, Assam
		Dr. Ankita Sarkar	India	15-16 July 2021	International e Conference on "Harnessing Microbes in Agriculture: An Opportunity for Organic Farming" organized by Narayan Institute of Agricultural Sciences, Gopal Narayan Singh University, Jamuhar, Bihar (INDIA)
		Dr. Ankita Sarkar	Pakistan	15 July 2021	International Seminar on "Host Pathogen Interactions" in online mode. Organized by The Islamia University of Bahawalpur,Pakistan.Department of Plant Pathology, Faculty of Agriculture And Environment & Pakistan Phytopathological Society
		Dr. Ankita Sarkar	India	18-20 August 2021	Internationl e conference on "Postharvest disease management of vegetables and fruits with biocontrol agents" Organized by ICAR-IARI, New Delhi, India

		Dr. R.K. Singh	India	19-20 April 2021	56 th Annual Rice Group Workshop, IIRR, Hyderabad
		Dr. Ankita Sarkar	India	13 September 2021	National webinar on "What to look for Sustainable Ways to Protect the Forest Health"organized by Forest protection Division, Tropical Forest Research Institute, Jabalpur (MP)
		Dr. Ankita Sarkar	India	23-26 March 2022	International Conference on "Plant Pathology : Retrospects and Prospects"in Online mode. Organized by Indian Phytopathological Society,
7	**Plant Physiology**	Prof. Padmanabh Dwivedi	India	13-16 November 2021	Attended XV Agricultural Science Congress & ASC Expo 2021; Energy & Agriculture: Challenges in 21st Century
		Prof. Pravin Prakash		13-16 November, 2021	Attended XV Agricultural Science Congress & ASC Expo 2021; Energy & Agriculture: Challenges in 21st Century
8	**Soil Science and Agricultural Chemistry**	Prof. Satish Kumar Singh	Abroad (online)	10-11 May 2021	Presented my research paper on *"*A Comparative Study of Soil and Foliar Nickel Application on Growth, Yield and Nutritional Quality of Barley (Hordeum vulgare L.) Grown in Inceptisol *"in Poster session* of the conference.
		Prof. Satish Kumar Singh	Abroad (online)	27-30 July 2021	Presented my research paper on *"*Foliar fertilization of nickel affects growth, yield component and micronutrient status of barley (*Hordeum vulgare* L.) grown on low nickel soil*"* in *Oral session* of the conference.
		Dr. A. Rakshit	India	30 March 2022	Innovative Practices for Climate Resilient Food Production at NASI Varanasi Chapter workshop on the broader theme: Food and Nutritional Security Challenges Under Changing Climate at RGSC, Barkachha, BHU
		Dr. A. Rakshit	India	22 December 2021	Promote-propagate-popularise science among students to evoke scientific curiosity at Science Awareness Mela cum Exhibition organized by Somvanshi Research Foundation RVPSP, New Delhi and DST, GOI
		Dr. A. Rakshit	India	11-13 December 2021	Future in fields: A lucrative career in Agriculture from local to global perspective at IISF-2021 'Celebrating Creativity in Science, Technology and Innovation for prosperous India' Global Indian Scientists & Technocrats section at Panaji, Goa
		Dr. A. Rakshit	India	29-30 October 2021	Agri inputs testing and key areas for immediate interventions for the state of Assam at Assam Agribusiness and Rural Transformation Project, DAGoA at State level Meeting of Government of Assam at World Bank financed, Guwahati, Assam
9	**Department of Animal Genetics and Breeding**	Dr. Amitosh Kumar	India	6 August 2021	Invitation for guest faculty under NAHEP-IDPDUVASU, Mathura
		Dr. Amitosh Kumar	India	16-17 February 2022	Online Conference on knowledge Management for Agriculture Librarians and information Professionals., MANAGE
		Dr. Amitosh Kumar	India	11-31 January 2022	Successfully completed ICAR winter school training Programme 'Intervention for paradigm shift from Conventional to Modern Approach in Goat Farming, DUVASU, Mathura

10	**Livestock Products Technology**	Dr. Saurabh Karunamay	India	13-16 November 2021	To Attend XV agricultural Science Congress &Expo 2021.
		Dr. Saurabh Karunamay	India	18 January-7 February 2022	Attended 21days winter training program conducted by U.P. Pandit (DAVASU), Mathura under Capacity Building Program (CBP) by Agriculture Education Division, ICAR
		Dr. Dipanwita Bhattacharya	India	25-27 November 2021	Attended online IMSACON-X and international symposium, Meerut
		Dr. Dipanwita Bhattacharya	India	15 February - 7 March 2022	Attended an online winter school programme on 'Advanced Extension & Communication Strategies for Sustainable Livelihood through Animal Husbandry & Allied farming system' sponsored by ICAR and organized by WBUAFS, Kolkata
		Dr. Dhananjay Kumar	India	25-27 November 2021	Attended online international symposium IMSACON-X, Meerut
		Dr. Dhananjay Kumar	India	8-28 February 2022	Attended a 21 days online winter school programme on "Prescribing human health using food of animal origin" sponsored by agriculture education division, ICAR and organized by LPT, ICAR-IVRI, Bareilly, Utter Pradesh.
11	**Department of Veterinary Gynaecology & Obstetrics**	Dr. Sanjay Kumar Ravi	India	13-16 November 2021	To present the research work (Online participation)
		Dr. B. Balamurugan	India	13-16 November 2021	1. Presented a scientific research paper. 2. Acted as Rapporteur for a scientific technical session.
		Dr. Priya Ranjan Kumar	In India	13-16 November 2021	Participated Online
12	**Animal Nutrition**	Dr. Mahipal Choubey	India	11-31 January 2022	Winter school Training
		Dr. Mahipal Choubey	India	13-16 November 2021	XV Agricultural Science Congress & ASC Expo
13	**Livestock Production Management**	Dr. Anuradha Kumari	India	13-16 November 2021	Online presented paper entitled "Blood Metabolites of Murrah Buffalo Heifer on Supplementation of Different Sources of Rumen Bypass Proteins" 'XV Agricultural Science Congress & ASC Expo' organized by National Academy of Agricultural Sciences and BHU
14	**Veterinary Pathology**	Dr. Suvaneeth P	In India	4	Conference presentation
15	**Veterinary Extension**	Dr. Jayant Goyal	India	13-16 November 2021	To Attend XV agricultural Science Congress &Expo 2021.
		Dr. Jayant Goyal	India	28 January - 17 February 2022	Attended online 21days winter school program on 'Advances in Agricultural Extension research conducted by ICAR-NDRI, Karnal under Capacity Building Program (CBP) by Agriculture Education Division, ICAR
		Dr. Ajay Kumar Chaturvedani	India	21-30 October 2021	Attended 10 days Training on Upskilling of Extension Professionals in Scientific Dairying
		Dr. Ajay Kumar Chaturvedani	India	15-17 June 2021	Three Days Online Training Program on Promotion of FPO in livestock sector: Opportunities and Challenge

*Twenty Expert Addresses were presented online (12 National + 08 International) by Professor A. Vaishampayan, Emeritus Professor of Genetics & Plant Breeding during 2021-22

During the academic session 2021-22, (01.04.2021 to 31.03.2022) 22 faculty members of the Institute have been bestowed with the prestigious national and international awards / fellowships / distinctions etc. The details are as follows :

National			
Sl.no.	Name of the Award	Awarded by	Recipient of the Award (Name, designation, department)
1	Fellow	Biotech Research Society India	Dr. Birinchi Kumar Sarma, Professor, Department of Mycology and Plant Pathology, Institute of Agricultural Sciences, Banaras Hindu University
2	Life Time Achievement Award	Pragatishil Krishak Vikas Sewa Sansthan, Patna, Bihar at 3rd International Conference (Hybrid Mode) on food, Agriculture and Innovation (3rd ICFAI), Dec. 24-26, 2021. Ranchi, Jharkhand	Dr. Saroj Kumar Prasad, Associate Professor, Agronomy
3	ISEE Fellow Award 2021	Indian Society of Extension Education, New Delhi	Prof. Kalyan Ghadei Professor & Head, Department of Extension Education
4	Best oral presentation in "National webinar on Plant Diseases in Eastern and North Eastern India: Current Dynamics and Proposed Action Plan for their Management	Department of Plant Pathology and AICRP on Pigeonpea, College of Agriculture, Tripura, in association with ICAR-National Bureau of Agricultural Insect Resources, Bengaluru	Dr. Ankita Sarkar, Assistant Professor, Department of Mycology and Plant Pathology, Institute of Agricultural Sciences, Banaras Hindu University
5	Young Researcher Award for oral presentation in the Satellite workshop on Trichoderma and Gliocladium on March 25, 2022 during IPSCONF2022	Indian Phytopathological Society and SKNAU, Jobner-Jaipur, Rajasthan, India.	Dr. Ankita Sarkar, Assistant Professor, Department of Mycology and Plant Pathology, Institute of Agricultural Sciences, Banaras Hindu University
6	Advisor	National Cooperative Union of India	Dr. G.P. Singh, Professor, Livestock Production and Management, BHU-Krishi Vigyan Kendra, I.Ag.Sc., Barkachha, Mirzapur
7	Outstanding Scientist Award	VDGOOD Professional Association, East Kandasamypuram, Villupuram (TN)	Dr S.K. Goyal, Assistant Professor (Stage-III), Farm Engineering, BHU-Krishi Vigyan Kendra, I.Ag.Sc., Barkachha, Mirzapur
8	Distinction/Recognition	National Universities	Prof. Padmanabh Dwivedi Keynote Speaker in International Conference on Plant Physiology and Biotechnology on 12th Sept 2021, organized by Department of Biotechnology, LPU, Phagwara (Online - Virtual Conf).
			Prof. Padmanabh Dwivedi Invited talk: Biotechnological interventions for conservation and enhanced medicinal value of Stevia plants vis-à-vis implication of signaling agents under drought stress. In: International Conference on Biotechnological Initiative for climate resilient agriculture, Jan 7-9, 2022, Organized by Deptt. of Agric Biotech &MolBiol, Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur
			Prof. Padmanabh Dwivedi Resource Person: Biotechnological interventions and their role in sustainable development of underutilized vegetables. In: ICAR-Refresher course on 'Underexploited vegetables: Unexplored treasure trove for food, nutritional and economic security, 2-22 Feb 2022, at

			ICAR-Indian Institute of Vegetable Research, Jakhini, Varanasi
			Prof. Padmanabh Dwivedi Keynote speaker: Climate change: Impacts on environment and humans. In: UGC-HRDC Faculty Development Programme, JNV University, Jodhpur, on 16th Feb 2022
	Appointment/Nomination as Expert	Universities/Institutes/Higher Education Deptt	Prof. Padmanabh Dwivedi As an external expert for conducting Online interview related to upgradation of JRF to SRF of a candidate from School of Life Sciences, Presidency University, Kolkata.
			Prof. Padmanabh Dwivedi : Involved as subject expert and Expert member, Selection Committee for Asstt. Professor in UP Higher Education Council, Prayagraj
			Prof. Padmanabh Dwivedi : Conducted 02 M.Phil. thesis viva voce exam (Sambalpur University, School of Life Sciences) and evaluated two Ph.D. thesis from CSIR-CSMCRI, Bhavnagar and AMU, Aligarh (Botany)
			Prof. Pravin Prakash: Expert member, Selection Committee, Lucknow University, GNSU
	Life Time Achievement Award-22	Gramin Krishi Vikash (GKV) Society, Agra in recognition of the contriburtion made in the field of agriculture teaching, research and extension.	Dr. Satish Kumar Singh Soil Science & Agricultural Chemistry
	Outstanding Scientist Award	VDGOOD, Pondicherry	Dr. S. Singh Soil Science & Agricultural Chemistry
	Best Scientist Award	Rajashri Foundation, Varanasi	Dr. Y.V. Singh Soil Science & Agricultural Chemistry
	Outstanding Achievement	Jaipur National University & Agric. Tech. Dev. Society	Prof. S.V.S. Raju Entomology and Agril. Zoology
	Excellence in Research Award	Society for Scientific Development in Agriculture & Technology, Meerut (U.P.) on 13-15 December, 2021.	Dr. Ram Kewal, Associate Professor, Dept. of Entomology & Agril. Zoology
	Associateship	Indian Academy of Horticultural Sciences (IAHS), New Delhi	Dr. Kalyan Barman, Assistant Professor, Department of Horticulture, IAS, BHU
	Outstanding Scientist Award	VDGOOD Foundation, Conferred in 2021	Prof. P. K. Singh Genetics and Plant Breeding
	Distinguished Scientist Award	AESD foundation, Rampur in 2021	Prof. P. K. Singh Genetics and Plant Breeding
	Post-graduate diploma in animal welfare	IGNOU	Dr. Mukesh Kumar Bharti
	Post-graduate diploma in animal welfare	IGNOU	Dr. Thulasiraman Parkunan
	As a member received Best Team Award	Indian Society for Buffalo Development	Dr. Mayukh Ghosh
	Young Researcher Award	Institute of Scholars	Dr. B. Balamurugan

			Assistant Professor, Department of Veterinary Gynaecology and Obstetrics, FVAS, I.Ag.Sci.
	India Prime Icon Award	India Prime Icon Awards 2021.	Dr. B. Balamurugan Assistant Professor, Department of Veterinary Gynaecology and Obstetrics, FVAS, I.Ag.Sci.
	Best Young Scientist- 2021	Glacier Journal Research Foundation, Global Management Council	Assistant Professor, D/o Veterinary Extension
International			
	"Iconic Professor of Excellence in Quality Education (Strategic Academic Innovation) AWARD" for Excellence & Leadership in Education	FAMA Asia-GCC, conferred on Thursday, December 23, 2021.	Professor A. Vaishampayan, Emeritus Professor of Genetics & Plant Breeding
	Life-time Distinguished Scientist Award under the INSO International Scientist category of Engineering Science & Medicine	Instituto de la Naturaleza y la Sociedad de Oaxaca (Mexico), conferred on Tuesday, January 11, 2022.	Professor A. Vaishampayan, Emeritus Professor of Genetics & Plant Breeding
	Distinction/Recognition:	Various International publishing houses	Prof. Padmanabh Dwivedi, Reviewer of research papers published in more than 12 International research Journals during 2021-22 such as Environmental Research (Elsevier), Frontiers in Plant Science, Plant Growth Regulation (Springer), J Genetic Engineering Biotechnology (Springer), International J Pharmaceut. Investigation (Springer), J Biologically Active Products from Nature (Taylor & Francis), Physiologia Plantarum, (Wiley), Physiology & Molecular Biology Plants (Springer), Industrial Crops and Products (Elsevier), Journal of Plant Growth Regulation (Springer), J Soil Sci Plant Nutrition (Springer)
			Prof. Padmanabh Dwivedi, Review Editor, Plant Physiology section, Frontiers in Plant Sciences
			Prof. Padmanabh Dwivedi, Guest Editor of a special Issue of J Plant Growth Regulation
	Shastri Conference & Lecture Series Grant Awar	Shastri Indo-Canadian Institute	Dr. A. Rakshit, Soil Science & Agricultural Chemistry
	Emerging Scientist-2022 Bursar (100 USD) Award	LiveDNA and ACSE, Deira Dubai,UAE	Dr. A. Rakshit, Soil Science & Agricultural Chemistry
	Best Oral Presentation Award b	Asian Council of Science Editors, Dubai	Dr. A. Rakshit, Soil Science & Agricultural Chemistry

The Major Academic Achievements of the Institute during the academic year 2021-22 are listed below:

1. Three promising germplasms of wheat were developed and registered with Plant Germplasm Committee (PGRC) of ICAR in June 30, 2021.
2. Gene sequences of 58 isolates of *Catenaria anguillulae* were deposited to NCBI database.

3. Trained and disseminated *Trichoderma* and vermicompost preparation technologies and disease management strategies for nematodes and other diseases amongst farmers of Varanasi and adjoining districts for boosting farmers' income.
4. The department of Dairy Science and Food Technology has started B. Tech. program in Food Technology and B. Tech. program in Dairy Technology from session 2021-22.
5. Developed and disseminated conservation agriculture practices amongst farmers of Uttar Pradesh.
6. Developed improved crop and resource management options for rainfed stress-prone ecosystems.
7. Department of Veterinary Physiology & Biochemistry has adopted Learning Management System (LMS).
8. Initiated Ph.D. degree programme in the Faculty of Veterinary and Animal Sciences.

Academic Collaboration / MoU signed by the Institute during the academic year 2021-22 are listed below:

Sl.no.	Department of the Institute entered in Collaborations	The Institution with which collaborations made / MoU signed	National / International	Purpose of Collaborations	Period of Collaborations
1	Agronomy	IRRI	International	Research Collaboration on Accelerating Genetic gain in rice	2021-22
2	Agronomy	IRRI	International	Research Collaboration on Climate Smart Management Practices	2019-22
3	Genetics and Plant Breeding	UPCAR	National	Evaluation and Characterization of Climate Resilient Genotypes of Indian Mustard Against Abiotic Stresses (Drought, Heat)	3 years
4	Dairy Science and Food Technology	Shahid Beheshti University of Medical Sciences, Tehran, Iran	International	Research and Development	

New Infrastructure created / established in the Institute during the academic year 2021-22 are listed below:

1. All the departments of the institute are fully equipped with smart classroom facilities.
2. Tiling work was done in the Head's Chamber and PG Seminar Room of the Department of Plant Physiology.
3. Few minor instruments were purchased for UG/PG teaching and new LAN network was done in the department of Plant Physiology.
4. DST Knowledge Centers were created at 6 adopted villages of Araziline and Cholapur Blocks of Varanasi.
5. The department of Entomology and Agricultural Zoology is equipped with Tissue Grinder Machine, Thermocycler, Refrigerated centrifuge, Deep Freezer, Spinx Vortex Shaker, etc.
6. Establishment of institutional dairy plant is in progress.

The extracurricular activities and outreach programs organized by the Institute during the academic year 2021-22 are appended below:

1. More than 1000 farmers were trained through DST and DBT sponsored projects on compost production technology, microbial application for seed and seedling treatment, and simple multiplication methods of fungal antagonists through 6 mega farmer training programs and subsequent small training programs organized in different villages of Varanasi and Chandauli districts of Uttar Pradesh.
2. A one-day workshop was organized to train farmers on "Mobile Apps and Agriculture" for e-marketing on 26 February 2022.
3. Organized an Extension Officers Training Programme on "Recent advancement in crop protection technology in Rapeseed mustard" on 21st April, 2022.
4. A Research article writing and Publication workshop for Research Scholars & Faculty Members was organized during 1-2 December 2021.
5. 'Matri Bhasha Divas' was organized on 21 February 2022.
6. Training program was organized for Board of Directors, of FPOs.

7. Training program was organized for Farmers of FPOs.
8. FLDs (Front line demonstrations) were organized for Rapeseed and Mustard involving more than 100 farmers.
9. Worked on the Tribal Sub Plan involving more than 100 farmers.
10. Training program was organized for Extension Officers in BHU, Varanasi involving 20 Agriculture Extension officers.
11. Pashu Arogya Shivir was organized at the village Karundha, Block Rajgarh, Mirzapur.
12. Ambulatory cum Animal Health Camp was organized in Tilthi village, Mirzapur
13. Ambulatory cum Animal Health Camp was organized in Sirsi-Gaharwar village, Mirzapur
14. Awareness cum Animal Health Camp was organized in Belahara village, Mirzapur
15. Survey of major problems faced by Livestock owners of Belahara village, Mirzapur was done.
16. The mandate of BHU-Krishi Vigyan Kendra is Technology Assessment and Demonstration for its Application and Capacity Development in the area of its working, that is, district Mirzapur of Uttar Pradesh. To fulfil the requirements of the mandate, the BHU-KVK has undertaken the following activities during the year under report (2021):

1. General Information on the BHU-KVK:

The Krishi Vigyan Kendra, Mirzapur was sanctioned by Indian Council of Agricultural Research in the year 1984 at village Barkachha which is approximately 12 km south of the district headquarters under the administrative control of Institute of Agricultural Sciences, Banaras Hindu University, Varanasi and started full-fledged functioning from the year 1987. With its Head, The *kendra* presently has 05 Scientists from different fields of agriculture, 02 Programme Assistants, and 02 other staff including one stenographer and a driver during the reporting period. The KVK has its priority thrust areas mostly based on rainfed/dryland agriculture, resource conservation and raising the income level of the rural population by raising the crop productivity through improved agricultural technologies and entrepreneurship development among rural youth and farm women. To fulfil the above objectives, the KVK conducts On-Farm Trials (OFT's), Frontline Demonstration (FLDs), Trainings (both on-campus as well as off-campus) for its different clienteles (including farmers/farm women, rural youth and extension functionaries) and Extension activities for ease in transfer and smooth implementation of the improved validated agricultural technology on the farmers' fields. Apart from these, the KVK, serving as the knowledge and resource hub to the area of its working, is also involved in the production and supply of technological products, soil testing and publication of farmer-oriented literature focussing on agriculture and rural development.

2. Technology Assessment and Refinement:

In the year 2021 KVK, Mirzapur conducted a total of 08 On-Farm Trials (OFT's) evaluating a total of 16 agricultural technologies inclusive of and against the 08 prevalent Farmer's Practices. These technologies were based on various thematic areas including Nutrient Management, Varietal Evaluation, Integrated Disease Management, Farm Machineries and Livestock Enterprises. A total of 32 farmers participated in the testing of these technologies. However, all the tested improved technologies were found to be remunerative for the farmers in terms of crop economics and Benefit: Cost Ratio.

3. Frontline Demonstration:

A total of 38 improved agricultural technologies were demonstrated during 2021 on an area of 149.62 ha across the area of work with the participation of 540 farmers of which 145 were from scheduled caste/scheduled tribes. The demonstrations included five technologies on oilseed crops (sesamum, groundnut and mustard) with an area of 50.5 ha and 189 participating farmers. Twelve technologies on Pulse crops (pigeonpea, blackgram, greengram, chickpea, lentil and fieldpea) were assessed with an area of 81.50 ha and 241 participating farmers, 12 technologies on cereal crops (paddy, wheat, barley, bajra and maize) with an area of 16.5 ha and 76 participating farmers, seven technologies on horticultural crops including tomato, okra, brinjal, onion, cowpea and papaya with an area

of 0.875 ha and 28 farmers. Two technologies of varietal evaluation in fodder production (Bajra Napier Hybrid and Jowar) was also demonstrated on 0.25 ha field of six farmers.

4. Training Programmes:

A. Farmers/Farm Women:

A total of 70 training programmes were organized during the year 2021 in which 1413 trainees participated among which 501 were females and 515 were from weaker sections of the society (SC/ST). These trainings included 44 on-campus with a total of 944 participating farmers/farm women and 26 off-campus training programmes with a total of 469 participants.

B. Training for Rural Youth:

A total of 17 training including 11 on-campus and 06 off-campus programmes were organized during the year under report with the participation of 261 and 128 young people respectively. This totals to a sum of 389 young people who received the training on various topics of their interests. Of these, 157 were females and 142 participants were from the weaker sections (Scheduled Castes/Schedules Tribes) of the community.

C. Training for Extension Functionaries:

Trainings on a total of 13 courses were organized for Extension Functionaries of the district including both on-campus and off-campus in which 200 participants were registered. This included 07 on-campus training with 83 participants and 06 off-campus training with a total of 117 participants.

D. Sponsored Training:

A total of twelve sponsored trainings were organised on the BHU-Krishi Vigyan Kendra during the period under report (January-December, 2021) through which 346 participants were benefitted. These trainings were sponsored by Agriculture Technology Management Agency (ATMA), District Agriculture Department and National Food Security Mission (NFSM).

5. Extension Activities:

A total of 570 extension programmes were organized during the year under report (2021), in which at least 4085 persons participated with due protocol for COVID-19. The participants included 3580 farmers and 505 extension personnel. The major extension activities included Advisory Services, Diagnostic Visits, Field Days, Kisan Gosthi, Film Shows, Exhibitions, Plant/Animal/Soil Health Camps and Method demonstrations etc. These activities help in the extension of the updated and improved agricultural technology to various clienteles of the KVK. Apart from this, 64 media materials were prepared and/or delivered aiding in the extension work. This included the development of electronic media (CD/DVD), Extension Literature, Popular Articles and extension of improved agricultural technology through newspaper coverage, radio and TV talks. A total of 187 mobile messages were sent to the farmers as mobile advisory services.

6. Production and Supply of Technological Products:

Various technological inputs produced by the KVK and distributed to the farmers of the region during the period under report (2021). This included at least 208.5 quintal seeds of various crops including paddy, maize, wheat, barley, sesamum, mustard, urd (blackgram), moong (greengram), pigeonpea (redgram), chickpea (bengalgram/gram), fieldpea and lentil. Also, a total of 24489 planting materials (seedlings) of various vegetable, fruit, ornamental, medicinal and forest plants were produced by the KVK and distributed among the farmers free of cost.

7. Soil Testing and Analysis of Fertility Status:

A total of 2424 soil samples were tested and analysed for their fertility status during the period under report (2021). This benefited 2024 farmers of the 61 villages across the district.

8. Newsletter and Publications:

The farmer-oriented magazine, Vindhya Krishi (ISSN: 0974-9934) is being published regularly by the KVK since 2007 with three issues, *viz*. Zaid, Kharif and Rabi. This year

also, all the three issues of the magazines with 1000 copies of every issue were published containing useful articles on various topics of improved agricultural practices and technologies. Apart from this, 04 research papers were published by the scientists of the KVK in various reputed journals. 12 technical bulletins and 19 technical reports were also published by the KVK during the period under report (2021).

9. Success Stories/Case Studies:

One case study was taken up by the KVK in the year 2019-20, which made a story of success for combined efforts of the KVK and the farmer in the year 2021. Shri Ramji Dubey of Village Nuaon in City block of the district Mirzapur with the technical help from KVK attained success in ensuring sustained profits from protected cultivation of cucurbit vegetables (esp. *kheera*) cultivation of Grand Nain (G-9) cultivar of Banana. He inspires the youth and experimenting farmers of the District for employment generation and income improvement through adoption of improved agricultural technology by means of protected cultivation of off-season crops for better profits.

The Student Centric Activities executed by the Institute during the academic year 2021-22 are listed below:

1. Annual Cultural Fest of students 'Srishti' was organized during 27 January to 1 February 2022.
2. Annual Athletic Meet of students 'Saahas' was organized during 2-5 march 2022.
3. Alumni meet of Department of Dairy Science and Food Technology was organized on 30 October 2021.
4. Educational visit of M.Sc. and Ph.D. students was organized at an Organic Farm in Chandauli District.
5. Educational visits of M.Sc. and Ph.D. students were organized at ITC Chaupal Sagar and KIRAN Society.
6. Exposure visits were organized for students to witness rural agriculture and industries located in vicinity of Varanasi.
7. Student visit was organized to visit Parag Dairy for industrial exposure.
8. Engaged students with Government programmes.
9. Involved students through organization of debate, discussions, music & songs.
10. Participation of students in village adoption programme and rural work experience.
11. Veterinary Quiz Competition was organized by NSS, FVAS, BHU.
12. Poster Making Competition was organized by NSS, FVAS, BHU.
13. Anti-Rabies Vaccination was done by NSS, FVAS, BHU.
14. Plantation and watering activities on World Environment Day was organized by NSS, FVAS, BHU.

The following illustrious / eminent personalities visited the Institute during the academic year 2021-22:

1. Dr. Panjab Singh, Former Secretary, DARE & Director General, ICAR, New Delhi and Former Vice-Chancellor, BHU
2. Dr. Mangala Rai, Former Secretary, DARE & Director General, ICAR, New Delhi and Former Vice-Chancellor, GB Pant University of Agriculture & Technology, Pantnagar, Uttarakhand.
3. Dr. Trilochan Mohapatra, DG, ICAR & Secretary DARE
4. Dr. A.K. Srivastava, Member, Agricultural Scientists Recruitment Board (ASRB), ICAR, DARE, Pusa, New Delhi -110 012 & Former Director & Vice-Chancellor, National Dairy Research Institute (NDRI), Karnal.
5. Dr. V.V. Sadamate, Former Member Planning Commission, New Delhi
6. Dr. C. Satapathy, Former Director of Extension, OUAT, former VC Kalinga University, Odisha

7. Dr. M. M. Adhikary, Former VC, BCKV, Mohanpur, West Bengal
8. Dr. U.S. Gautam Former VC BUAT, Banda UP
9. Dr. V. Veerabhadraiha, Former Director of Extension, UAS, Bangalore
10. Dr. R.C. Agrawal, DDG Education, ICAR
11. Dr. A.K. Singh, DDG Extension, ICAR
12. Dr. A.K. Singh, DDG Horticulture, ICAR
13. Dr. A.K. Joshi, Managing Director, BISA
14. Dr. P.K. Joshi, Ex. Director South Asia, IFPRI
15. Dr. Sudhanshu Singh, Director South Asia, IRRI

The placement details during the academic year 2021-22 are as follows :

Courses	No. of Students Appeared		No. of Students selected in Campus Selection		Range of Package (Max. to Min.) (Lakhs per annum)	Companies Visited for Placement
	Male	Female	Male	Female		
UG	28	8	21	5	8.16 to 3.25 LPA 8.17	22 (BRLPS, Dehaat, Digicides, HDFC, JU Agro Sciences Pvt. Ltd., Rallis India Pvt. Ltd., Yara International, Vantage Organic Foods Limited, PRADAN, Rasi Seeds, Gramophone, DCM Shriram, IIFL Samasta Finance Limited, Dayal Fertilizers, Aliens, Pepsico, Star Agri Seeds, SAPL, MAHYCO, UPSRLM, Grameen Foundation, JSLPS, etc.
PG	43	35	35	29	8.16 to 3.50 LPA	
Ph.D.	2	0	0	0	NA	
Others	NA	NA	NA	NA	NA	

The details of Library Facilities of the Institute are appended below:

	Added during 2021-22	Total no. available in the Institute Library
No. of Books	827 (Faculty of Veterinary and Animal Science)	827 (Faculty of Veterinary and Animal Science)
No. of Journals		
No. of Periodicals		

List of Research Papers published during 2021-22:

1. Aakash KM, Singh MK, Singh RK, Prasad SK, Kumari S, Kumar A, Chandel SKS, Bhayal D, Bhayal L (2022). Utilization of water stressed conditions: Commercial bio-molecules from agricultural crop and their scope for boosting income of water stress areas. *Ama, Agricultural Mechanization in Asia, Africa & Latin America* 53(2): 6191-6215.
2. Abdel-Moneim AME, Shehata AM, Khidr RE, Paswan VK, et al. (2021). Nutritional manipulation to combat heat stress in poultry – A comprehensive review. *Journal of Thermal Biology* 98: 102915.
3. Aggarwal A, Verma T, Kumari K (2022). Aflatoxin-M1 in dairy products and detection methods. *International Journal of Emerging Technologies and Innovative Research* 9: 420-431.
4. Ahanger AA, Prawez S, Shakoor A, Ahmad W, Khan AM, Kumar D (2021). Topical application of 'Hemin' promotes wound healing in Streptozotocin-induced diabetic rats. *Veterinarski Arhiv*. 91: 287-296.
5. Anoop M, Beevi CNA, Bhawar RS (2021). Growth, Geographic Concentration and Stability Analysis of Coir Products Export from India. *Indian Journal of Ecology* 48(1): 210-215.
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12. Bhateshwar V, Rai DC, Datt M (2022). Heat Stress Responses in Small Ruminants under Arid and Semi-arid Regions of Western India: A Review. *Agricultural Reviews*. DOI: https://doi.org/10.18805/ag.R-2393.
13. Bhateshwar V, Rai DC, Datt M, Aparnna VP (2022). Current status of sheep farming in India. *Journal of Livestock Science* 13:135-151.
14. Bhateshwar V, Rai DC, Duary RK, Datt M, Muwal H (2021). Raw Milk Quality and Udder Health Status of Lactating Crossbred Sahiwal Cows Supplemented with β-carotene Enriched Mineral-Vitamin Premix. *Journal of Animal Research* 11(6): 1097-1103.
15. Bhateshwar V, Rai DC, Duary RK, Rathore A, Singh UP (2021). Effect of Supplementation of Beta-carotene on nutrient intake, digestibility, milk yield and composition of lactating crossbred cows. *Indian Journal of Dairy Science* 74 (3): 238-243.
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21. Bunkar DS, Goyal SK, Meena KK, Kamalvanshi V (2021). Nutritional, Functional Role of Kodo Millet and its Processing: A Review. *International Journal of Current Microbiology Applied Sciences* 10(01): 1972-1985.
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Celebrations of Independence Day (a) and Constitution Day (b) in 2021

XV National Agricultural Science Congress 13-16 November 2021

ISEE National Seminar 4-6 October 2021

Workshop on new water technology for plant health management organized by the Indian Association of Japan, Tokyo on 6 December 2021

PM Kisan Samman Nidhi Yojana & Farmers Training Programme on 1 January 2022

Interaction of hon'ble Prime Minister of India with students and teachers during "Pariksha Pe Charcha" on 1 April 2022

Workshop on "Academic Writing" organized during 1-2 December 2021

Inauguration of Lecture Theatre Complex 2 at RGSC, BHU

Felicitation of alumni of I.Ag.Sc., BHU

Felicitation programs on superannuation of Director Prof. Ramesh Chand and Dean Prof. A.P. Singh

Student Centric Activities

Glimpses of online Annual Cultural Fest "Srishti" 2021-22

Glimpses of Annual Athletic Meet "Saahas" 2021-22

Training Programs Organized for Farmers during 2021-22

Hands on Training Provided to Farmers during 2021-22









Activities undertaken by Faculty of Veterinary and Animal Sciences, BHU

एक दिवसीय रेबीज के प्रति जागरूकता एवं मुफ्त टीकाकरण कैंप का आयोजन

रीडर्स मैसेंजर नेटवर्क

मिर्जापुर। राजीव गांधी दक्षिणी परिसर, बरकछा, बी0एच0यू0 में सोमवार को राष्ट्रीय सेवा योजना के तहत रेबीज के प्रति जागरूकता एवं मुफ्त टीकाकरण का एक दिवसीय शिविर का आयोजन किया गया। जिसमें शिक्षण और पशु चिकित्सा क्लिनिकल परिसर, पशु चिकित्सा संकाय परिसर में रेबीज के प्रति जागरूकता एवं मुफ्त टीकाकरण अभियान के तहत कुत्तों को मुफ्त एंटी रेबीज वैक्सीन दी गई तथा लोगों में रेबीज रोग व संचरण के प्रति जागरूकता फलाया गया। पशु चिकित्सा संकाय के शिक्षण और पशु चिकित्सा क्लिनिकल परिसर के इन्चार्ज डॉ दयानिधि जेना ने रेबीज के संचरण और रोकथाम के बारे में लोगों को जानकारी प्रदान की। डा0 सौरभ जिंगारे एव डा0 बिनोद कुमार ने रेबीज जानवरों के काटने से पहले और बाद के सावधानियां और उपचार के बारे में बताया। एन.एस.एस. कार्यक्रम अधीकारी डा0 सौरभ करुणामय एव डा0 कृष्नेन्दु कुण्डु के द्वारा रेबीज के प्रति जागरूकता एवं मुफ्त टीकाकरण का एक दिवसीय शिविर का आयोजन सफलता पूर्वक कराया गया। प्रो0 शाहिद परवेज, डीन, पशु चिकित्सा संकाय ने इस कार्यक्रम के सफलता पर छात्र-छात्राओं, शिक्षकगण एवं गैर-शिक्षकगण कर्मचारीयों को बधाई एवं अभार प्रकट किया।

Trending Article: *स्वच्छ नगर की पोल खोल रहा बहरामगंज रोड पर जल जमाव*

मिर्जापुर

राजीव गांधी दक्षिणी परिसर बीएचयू में राष्ट्रीय सेवा योजना के तहत एक दिवसीय "श्रमदान" कैंप का आयोजन

March 16, 2022 vindhynews
0 Comments

मिर्जापुर।
राजीव गांधी दक्षिणी परिसर, बरकछा, बी0एच0यू0 में बुधवार को राष्ट्रीय सेवा योजना के तहत श्रमदान का एक दिवसीय शिविर का आयोजन किया गया। जिसमें पशुधन फार्म काम्प्लेक्स, पशु चिकित्सा संकाय परिसर में श्रम अभियान के तहत पॉलिथीन (प्लास्टिक) से मुक्त किया तथा फार्म के जानवरों के लिए चारे की व्यवस्था भी छात्रों द्वारा की गयी।

अमृत महोत्सव के तहत आयोजित शिविर में 80 लोगों ने किया रक्तदान

भास्कर न्यूज | मिर्जापुर

शनिवार अमृत महोत्सव के तहत दांडी मार्च के ऐतिहासिक दिवस पर राजीव गांधी साउथ कैंपस बीएचयू के सभागार में राष्ट्रीय सेवा योजना वेटरनरी साइंस एंड एग्रीकल्चरल साइंस कार्यक्रम अधिकारी डॉ. सौरभ करुणामय, डॉक्टर कृष्ण नंदू कुंडु, डॉक्टर कंचन पौडवाल तथा नेहरू युवा केंद्र के युवा ऑफिसर प्रतीक साहू के संयुक्त सहयोग से एक विशाल शैक्षिक रक्तदान शिविर का आयोजन किया गया। मंडलीय चिकित्सालय के वरिष्ठ फिजीशियन डॉ. आनंद सिंह ने रक्तदाताओं का स्वास्थ्य परीक्षण किया। कार्यक्रम की शुरुआत पंडित मदन मोहन मालवीय की प्रतिमा पर पुष्प अर्पण करके किया गया। जनसंपर्क अधिकारी राम कुमार गुप्ता ने सभी को रक्तदान के बारे में जागरूक किया। श्री गुप्ता ने बताया कि रक्तदान महादान है। आपका एक रक्तदान चार लोगों का जीवन बचाता है। रक्तदान से किसी भी तरह की कोई कमजोरी नहीं आती है। कुल 120 लोगों ने रजिस्ट्रेशन कराया तथा 80 लोगों ने रक्तदान किया शिविर के आयोजन में ब्लड कलेक्शन एंड ट्रांसपोर्ट वैन बीसीटीवी के अमित सिंह प्रवेश राजभर मनोज श्रवण सिंह माला सिंह का विशेष सहयोग रहा। मौके पर सर्वेश, रंजीत पाल, डॉक्टर श्रवण कुमार, डॉक्टर तुलसी रमन, डॉ. दयानिधि जेना, डॉ. राहुल, डॉ. अजय कुमार, डॉक्टर बाला मुर्गन, डॉक्टर जयंत, नित्यानंद आदि उपस्थित थे।

दैनिक भास्कर — उत्तर प्र

05 मंगलवार, 26 अक्टूबर, 2021

राष्ट्रीय सेवा योजना के तहत स्वच्छता जागरुकता रैली

भास्कर ब्यूरो
मिर्जापुर। राजीव गांधी दक्षिणी परिसर बरकछा बीएचयू में सोमवार को राष्ट्रीय सेवा योजना के तहत स्वच्छ भारत अभियान का एक दिवसीय शिविर का आयोजन किया गया। जिसमें परिसर में स्वच्छता के प्रति जागरूकता हेतु कार्यक्रम हुआ। स्वयंसेवको द्वारा जलपान गृह (कैफेटेरिया) के पास राष्ट्रीय सेवा योजना गीत के गायन के पश्चात कार्यक्रम प्रारम्भ हुआ। इस उपलक्ष्य में आचार्य प्रभारी प्रो0 विनोद कुमार मिश्रा एवं राष्ट्रीय सेवा योजना के कार्यक्रम अधिकारीगण डा0 मनोज कुमार मिश्रा, डा0 कौषल पडालल एवं डा0 सौरभ करुणामय ने स्वयं सेवकों को राष्ट्रीय सेवा योजना के कार्य एवं नीतियों के बारे में जागरुक किया। तत्पश्चात् स्वच्छ भारत अभियान योजना के तहत राष्ट्रीय सेवा योजना के स्वयं सेवकों (छात्र एवं छात्राओं) ने परिसर में सघन स्वच्छता अभियान चलाया और लोगों को सफाई तथा सिंगल युज प्लास्टिक के उपयोग के प्रति जागरूक किया। जलपान गृह एवं व्याख्यान संकुल के चारो तरफ झाड़ियों की सफाई कर, पृथ्वी में जल डालने का कार्य किया, साथ ही साथ सभी स्वयं सेवकों ने परिसर को स्वच्छ रखने का संकल्प लिया।

इस अवसर पर परिसर के उपकुल सचिव अजय कुमार, डा0 कौस्तुभ चटर्जी, डा0 अभिनव सिंह, डा0 श्रवण कुमार एवं अन्य शिक्षकगण, गैर-शिक्षकगण तथा छात्र-छात्रायें आदि उपस्थित रहे के राष्ट्रीय सेवा योजना के एक दिवसीय शिविर को सफल बनाने में अपना महत्वपूर्ण योगदान दिया।

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