



वार्षिक प्रतिवेदन Annual Report 2023-24



Acharya Narendra Deva University of Agriculture & Technology
Kumarganj, Ayodhya - 224 229 (U.P.) - India
Website- www.nduat.org



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डा. बिजेन्द्र सिंह
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आचार्य नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय
कुमारगंज, अयोध्या-224 229 (उ.प्र.), भारत
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Foreword

It is my great pleasure to present the Annual Report of the Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya for the Year 2023-24. At this moment, I also would like to inform all readers of this compendium that our university has been bestowed with the most prestigious A++ accreditation by National Assessment and Accreditation Council (NAAC). This is a great honour to the continuous dedication and hard work of the entire fraternity of this institution and I take great pride and privilege in mentoring this organization as its vice-Chancellor.



Higher education scenario globally has witnessed a significant change in approach and a remarkable growth. Our country too, has readily adapted to the global demands and every institution has geared up to meet the global challenges by harnessing the latest technologies in education front. The New Education Policy 2020 nurtured and implemented by the government reflects the shift in vision regarding education from the creation of a resource pool to a path of holistic development of the person. ANDUAT is highly committed to the goals of NEP and we provide higher education with programs designed to meet national and international standards. Highly experienced and qualified faculty members, continuously engaged in the maintenance and enhancement of student-centric learning environment through innovative pedagogy, form the backbone of this University. Commensurate with providing the education, we are also devoted to perform societal as well as farmer-centric research and extension endeavours for enabling agriculture scenario of the state to not only be economically and socially sustainable, but also climate-resilient.

The year 2023-24 was an exciting and inspiring year for us and our dedication and hard work have been reflected in the successful organisation of many programmes and events. The University has established a new College of Agriculture at Gonda District with an intake capacity of sixty students to meet the educational demands of the region. With the campus building activities in sharp focus throughout the year, we have made many infrastructural reforms including establishment of hydroponics unit, new farm for vegetable seed production, guava orchard, Bharat Ratna Atal Bihari Bajpayee sports Complex, Meditation centre, shooting range for NCC cadets, etc. in addition to strengthening labs with more and modern equipments.

In our efforts to strive for further excellence in educational front, ten new degree programmes and eight new value-added courses have been started during the reporting year. It is a matter of pride that during 2023-2024, 1074 students were admitted, reflecting an increase of 27.27% as compare to 2022-2023. A total of 597 students were awarded degrees in various course/programmes during 25th Convocation held on 30th November, 2023. We also greatly improved in our faculty strength by recruiting 57 teachers including 47 Assistant Professors, 9 Associate Professors and one Professor. Our Commitment to job security of the students is reflected in 122 students getting job placement in Government and Non-Government sectors. During the period, 77 students have qualified the prestigious ASRB NET/ SRF/JRF examination. The University continues to strive to “Groom its Students into Competent Professionals with Character and Values”. With this motto, we organized many extra-curricular events/competitions to the students including traditional sports meet, and several cultural programmes under the aegis of different colleges and NSS. It is worth mentioning here that a record-breaking strength of 2500 students and faculty participated in the International Yoga Day Celebration organized by the university.

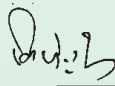
The University continues to deliver excellent performance in the research field as well. A total of 62 farmer-centric research projects/schemes, financed by various national and international agencies, were in operation in the university. As a remarkable achievement, Kala Namak-1 and Pusa Narendra CRD Kala Namak-2) were notified. University has produced 6836.59 quintals of Kharif seeds and 4403.63 quintals of Rabi seeds. A total of two patents were granted and five published. Besides, 285 research articles were published in NAAS accredited or peer reviewed journals. With a strong focus on reaching out to the farmers, our KVKs organized 3487 training programmes to 84660 beneficiaries including farmers. Besides, there were several frontline demonstrations and other extension activities as well. To demonstrate novel technologies and farming practices, 9 Kisan Melas at headquarter and KVKs were organized. The KVKs also produced and supplied seeds (5503.02q), planting materials (1179329), bio-products (52562.20kg), Livestock Species (2709) and fish fingerlings (11113) to the farmers.

For furthering the research horizon, we reformed partnerships to create and explore new opportunities. MoU's with several nationally recognised research institutes including Indian Institute of Soil Science, Bhopal, M.P., Indian Institute of Pulses Research, Kanpur, Central Soil Salinity Research Institute, National Bureau of Plant Genetic Resources, New Delhi, and Central Universities such as Rani Laxmi Bai Central Agriculture University, Jhansi, and research bodies such as UP Council of Agriculture Research, Lucknow, UP. were signed during the period. Our societal commitments are reiterated by several programs including Agriculture Education Awareness program for Tharu Community students, Blood donation camp, TB eradication programme, etc. With the environment in sharp focus throughout the reporting year, we launched or response to pollution and climate change. Several programmes including round the year plantation drive, cleanliness drive, construction of rainwater harvesting ponds, crop residue management, organic and natural farming, plastic free campus were organized. Students, faculty, school children and general public were all participated in such events with great enthusiasm.

I strongly believe my university is marching ahead in the right direction, providing a holistic education, farmer and societal centric research and extension programmes, and playing a positive role in nation building. However, to meet the new and upcoming challenges and societal needs, it is time that we become more responsive, proactive and innovative. Partnerships for integration, convergence and synergy are what the 'Team ANDUAT' must continue to stand for, in our endeavour to make agriculture a preferred destination and proud profession of our youth. I look forward co-operation from all of you to realize our vision. Together we will continue to fly to new heights and make a lasting impact on the agriculture scenario of the country.

I hope the diverse stakeholders will find the contents of this Annual Report useful and provide us their constructive views to enable us to bring improvements in our various programmes. At this juncture, I extend my gratitude to the Hon'ble Governor of Uttar Pradesh Smt. Anandiben Patel Ji, Hon'ble Chief Minister of Uttar Pradesh, Hon'ble Minister of Agriculture, Government of Uttar Pradesh Shri. Surya Pratap Shahi Ji, respected Chief Secretary, Uttar Pradesh Shri. Manoj Kumar Singh and the then Additional Chief Secretary, Agriculture, Agriculture Education and Research Shri Devesh Chaturvedi Ji, for their valuable guidance, constant monitoring and advise, only due to which the University is able to upscale its potential day by day in the field of agriculture education, research and extension.

I would also like to appreciate the editorial team for devoting their time and energies in compilation, organization and the inputs provided in this Annual Report.


(Bijendra Singh)
Vice-Chancellor

CONTENTS

SL. NO.	ITEMS	PAGE NO.
●	EXECUTIVE SUMMARY	i-iv
●	कार्यकारी सारांश	v-viii
1.	INTRODUCTION	1-3
2.	UNIVERSITY ADMINISTRATION	4-10
3.	TEACHING	11
4.	COLLEGE OF AGRICULTURE, MAIN CAMPUS	12-23
5.	COLLEGE OF AGRICULTURE, AZAMGARH CAMPUS	24-29
6.	COLLEGE OF HORTICULTURE & FORESTRY	30-35
7.	COLLEGE OF VETERINARY SCIENCE & ANIMAL HUSBANDRY	36-42
8.	COLLEGE OF FISHERIES	43-47
9.	MAHAMAYA COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY, AMBEDKARNAGAR	48-52
10.	COLLEGE OF COMMUNITY SCIENCE	53-57
11.	DIRECTORATE OF RESEARCH	58-67
12.	DIRECTORATE OF EXTENSION	68-85
13.	STUDENTS AMENITIES	86-87
14.	STUDENTS' WELFARE	88-90
15.	DIRECTORATE OF PLACEMENT	91-93
16.	NEHRU LIBRARY	94-95
17.	ADMINISTRATION AND MONITORING	96
18.	FINANCE	97
19.	PUBLICATIONS	98-118
20.	UNIVERSITY IN MEDIA	119-120

**EXECUTIVE SUMMARY**

New Agriculture College	New College of Agriculture at District Gonda has been started with the intake capacity of sixty students.
New Course programmes	- Ten new course programmes have been started; - UG programme- - Food Nutrition and Dietetics. - B.Tech (Biotechnology) - PG Programme- - M.Tech in Renewable Energy Engineering. - M.Sc in Textile and Apparel Designing - Ph.D. Programme- - Farm Machinery and Power Engineering. - Soil and Water Conservation Engineering. - Processing and Food Engineering. - Irrigation and Drainage Engineering. - Fisheries Resource Management. - Aquaculture.
Value-Added Course	Eight new value-added courses have been started in the College of Community Science.
UPCATET -2023	University successfully conducted UPCATET-2023 for admission in various course programmes in all the four Agriculture Universities of Uttar Pradesh.
Students'admission	During 2023-2024, 1064 students were admitted in degree programmes of University reflecting the increase of 27.27% as compare to 2022-2023.
Degree Awarded	597 students were awarded degrees in various course programmes during 25th Convocation held on 30th November, 2023. Out of 597, 48 were Ph.D., 219 Master Degree and 343 UG Degree holders. Among degree holders, 79.06% were boys and 20.94% girls. Among gold medallists, 50% were girls. - Degree certificate of passed out students were uploaded on digilocker.
Recruitment and Career Advancement/ ACP	- A total of 57 teachers including 47 Assistant Professors, 9 Associate Professors and one Professor were recruited in the University. - Under the Career Advancement Scheme, 11 Assistant Professors as Associate Professors and 21 Associate Professors as Professors were promoted. - Under the regularization process, a total of 29 daily wage workers were regularized. - As per rules for the appointment of dependents of deceased officers/employees of the University, 09 appointments have been made.



Award and Honours	- College of Community Science was awarded first prize and Krishi Vigyan Kendra Barabanki awarded second prize for the exhibits displayed during the State level <i>Shree Anna Mahotsava</i> on the occasion of 34th Foundation Day of UPCAR, Lucknow organized at Indira Gandhi Pratishthan, Lucknow from 27-29 October 2023. - Krishi Vigyan Kendra Ayodhya, Barabanki, Gorakhpur, Mahrajganj, Siddharthnagar, and Varanasi received the Outstanding Award for outstanding work in the field of millets and agricultural dimension from UPCAR, Lucknow. 28 teachers/scientists were given various awards and accolades by various government and non- government bodies.
Placement of students	122 students got job placement in Government and Non-Government sectors.
Student's achievement in NET/ JRF	77 students have qualified the prestigious ASRB NET/ SRF/JRF examination. 8 students of College of Agriculture Engineering cleared GATE-2024.
Infrastructural reforms	- Hydroponic unit established. - Established new farm on 3ha land for the vegetable seed production. - Established guava orchard having five varieties (Lalit, Japanese Red Diamond, Pink Taiwan, Thai Red and VNR Bihi) on 2ha land. - ICT facilities enhanced. - Strengthening of labs with the purchase of equipments. - Bharat Ratna Atal Bihari Bajpayee sports Complex established. - Meditation Centre at Sports Complex established. - Shooting range established for NCC students at Sports Complex.
Varieties identifies/developed/rel eased	- Two varieties of kalanamak rice (Pusa Narendra Kala Namak-1 and Pusa Narendra CRD Kala Namak-2) were notified. - Two varieties of Aonla (Narendra Aonla 25 and Narendra Aonla 26) were identified. - Three varieties of Bael (Narendra Bael -8, Narendra Bael -10 and Narendra Bael -11) were identified.
Research Projects	During 2023-2024, 62 research projects/schemes, financed by various national and international agencies, were in operation in the university.
Seed production	During 2023-2024, University has produced 6836.59 quintals of Kharif seeds and 4403.63 quintals of Rabi seeds.
Technology developed	- Intercropping of coriander with garlic for higher yield and income. - Integrated pest and disease management in coriander for the management of stem gall, powdery mildew and aphid. - Foliar application of zinc sulphate & iron sulphate each @4g/L at 60, 75 & 90 DAS for realising higher growth, yield & quality in fennel. - PGRs and micronutrients for yield and quality improvement in Uttar Pradesh. - Cutting and Nitrogen Management of Double cut of Fodder Oat.



Patent registered/published/granted	During the year 2023-24, total of five patents were published and two granted.
Extension activities by Directorate of extension	- A total of 11828 front line demonstrations were conducted in 2885.73 ha on field crops, horticultural crops, tools and implements and livestock by KVKs. - KVKs conducted 3487 training programmes to 84660 beneficiaries including farmers. - KVKs organized 1532 extension activities for creating awareness about latest improved agricultural technologies in which 582329 farmers and 45359 Extension Personnel participated and benefited. - Total of 9 Kisan Melas at head quarter and KVKs were organized. - KVKs produced and supplied seeds (5503.02q), planting materials (1179329), bio-products (52562.20kg), Livestock Species (2709) and Fish fingerlings (11113) and generated a total revenue of Rs 24235004/-. - KVKs have organized other extension activities (15606) also. The major activities like electronic media (62), extension literature (12323), news paper coverage (2244), popular articles (358), radio talks (95), and TV talks (52), Animal health camps (394) were performed. 6028 number of technical services were provided through ATIC. 4245 number of farmers visited the ATIC. 21,200 number of extension publications were sold. - Directorate and Krishi Vigyan Kendras organized activities for advocacy and awareness about Mission LiFE. - Directorate organized five HRD training at headquarter. - The Directorate of Extension organized 13 group and review meeting programmes during the financial year.
Publications	279 research articles were published in NAAS accredited or peer reviewed journals. 48 books (44 in english and 4 in hindi) were published.
Skill Development Programme	5 days National training on personality development with emphasis on communication skill and other soft skill development. 3 days Three-Day 'Career Counselling and Soft Skills Development.
Fees reimbursement/Scholarships	1826 students have been given fees reimbursement by the Directorate of Social Welfare, Uttar Pradesh. 104 students were provided Mandi Parishad scholarship. 14 students provided with Ph.D. Merit scholarship. 149 students in UG, 32 students in PG have been given National Merit Scholarship (NTS).
NCC	Full unit of NCC of 65 UP battalion with 160 students started.



Linkage with other Institutes & Organizations	• Chandra Shekhar Azad University of Agriculture and Technology, Kanpur. • Indian Institute of Soil Science, Bhopal, M.P. • The Warehousing Development and Regulatory Authority, New Delhi • Indian Institute of Pulses Research, Kanpur. • Central Soil Salinity Research Institute , Karnal Haryana. • Vasant Rao Naik Marathwada Krishi Vidhyapeeth Parbhani, Maharashtra. • Rani Laxmi Bai Central Agriculture University, Jhansi. • National Bureau of Plant Genetic Resources, New Delhi. • District Education and Training Institute, Ayodhya. • UP Council of Agriculture Research , Lucknow, UP. • Umbrella MoU with ICAR-Directorate of Rapeseed mustard Research , Bharatpur, Rajasthan. • Indian Institute of Agricultural Research Institute, New Delhi.
Budget summary	• Total budget provision during 2023-2024 Rs. 20759.61 lakh • Total revenue generated during 2023-24 : Rs. 2415.15 lakh
Extra-curricular activities	• Organization of traditional sports meet. • International Yoga Day on 21st June, 2024 as a mega event with participation of more than 2500 students, faculty and staff • Number of cultural programs were organized to commemorate various occasions. Paintings, debate, rangoli were also organized to mark different occasion. • Under the aegis of different colleges and NSS, the university organized different programs round the year namely plantation drive, cleanliness drive etc.
Health camps	• Foot and Mouth Disease awareness programme in Villages • Animal Health Camps.
Social Commitment/awareness campaign	• Tiranga Yatra, International Millets year, Meri Mati Mera Desh, Viksit Bharat, Mission Shakti etc, were carried out. • Agriculture Education Awareness program for Tharu Community students. • Blood donation camp. • TB eradication programme.
Environment protection and Clean and green Campus	• Waste management • Construction of rain water harvesting ponds • Crop residue management • Organic and natural farming • Plastic free campus



कार्यकारी सारांश

नवीन कृषि महाविद्यालय	गोंडा जिले में नवीन कृषि महाविद्यालय शुरू किया गया है, जिसमें साठ विद्यार्थियों की प्रवेश क्षमता है।
नए पाठ्यक्रम	- दस नए पाठ्यक्रम शुरू किए गए हैं; - स्नातक कार्यक्रम— - खाद्य पोषण और आहार विज्ञान। - बी.टेक (जैव प्रौद्योगिकी) - परास्नातक कार्यक्रम— - अक्षय ऊर्जा इंजीनियरिंग में एम.टेक। - कपड़ा और परिधान डिजाइनिंग में एम.एससी। - पीएचडी कार्यक्रम— - फार्म मशीनरी और पावर इंजीनियरिंग। - मृदा और जल संरक्षण इंजीनियरिंग। - प्रसंस्करण और खाद्य इंजीनियरिंग। - सिंचाई और जल निकासी इंजीनियरिंग। - मत्स्य संसाधन प्रबंधन। - एक्वाकल्चर
मूल्य-संवर्धित पाठ्यक्रम	सामुदायिक विज्ञान महाविद्यालय में आठ नए मूल्य-संवर्धित पाठ्यक्रम शुरू किए गए हैं।
यूपीसीएटीईटी-2023 (UPCATET)	विश्वविद्यालय ने उत्तर प्रदेश के सभी चार कृषि विश्वविद्यालयों में विभिन्न पाठ्यक्रम कार्यक्रमों में प्रवेश के लिए यूपीसीएटी ईटी-2023 का सफलतापूर्वक आयोजन किया।
छात्रों का प्रवेश	2023-2024 के दौरान, विश्वविद्यालय के डिग्री कार्यक्रमों में 1064 छात्रों को प्रवेश दिया गया, जो 2022-2023 की तुलना में 27.27% की वृद्धि दर्शाता है।
डिग्री प्रदान की गई	30 नवंबर, 2023 को आयोजित 25वें दीक्षांत समारोह के दौरान 597 छात्रों को विभिन्न पाठ्यक्रम कार्यक्रमों में डिग्री प्रदान की गई। 597 में से 48 पीएचडी, 219 परास्नातक डिग्री और 343 स्नातक डिग्री धारक थे। डिग्री धारकों में 79.06% लड़के और 20.94% लड़कियां थीं। स्वर्ण पदक विजेताओं में 50% लड़कियां थीं। - उत्तीर्ण छात्रों के डिग्री प्रमाण पत्र डिजिटलॉकर पर अपलोड किए गए।
भर्ती एवं कैरियर एडवांसमेंट/एसीपी	- विश्वविद्यालय में 47 सहायक प्रोफेसर, 9 एसोसिएट प्रोफेसर तथा एक प्रोफेसर सहित कुल 57 शिक्षकों की भर्ती की गई। - कैरियर एडवांसमेंट योजना के अंतर्गत 11 सहायक प्रोफेसर को एसोसिएट प्रोफेसर तथा 21 एसोसिएट प्रोफेसर को प्रोफेसर के पद पर पदोन्नत किया गया। - नियमितीकरण प्रक्रिया के अंतर्गत कुल 29 दैनिक वेतन भोगी कर्मचारियों को नियमित किया गया। - विश्वविद्यालय के मृतक अधिकारियों/कर्मचारियों के आश्रितों की नियुक्ति के लिए नियमानुसार 09 नियुक्तियां की गई हैं।



पुरस्कार एवं सम्मान	- यूपीसीएआर, लखनऊ के 34वें स्थापना दिवस के अवसर पर इंदिरा गांधी प्रतिष्ठान, लखनऊ में 27-29 अक्टूबर 2023 तक आयोजित राज्य स्तरीय श्री अन्न महोत्सव के दौरान प्रदर्शित प्रदर्शों के लिए सामुदायिक विज्ञान महाविद्यालय को प्रथम पुरस्कार तथा कृषि विज्ञान केंद्र बाराबंकी को द्वितीय पुरस्कार प्रदान किया गया। - यूपीसीएआर, लखनऊ द्वारा बाजरा एवं कृषि आयाम के क्षेत्र में उत्कृष्ट कार्य के लिए कृषि विज्ञान केंद्र अयोध्या, बाराबंकी, गोरखपुर, महाराजगंज, सिद्धार्थनगर एवं वाराणसी को उत्कृष्ट पुरस्कार प्रदान किया गया। - विभिन्न सरकारी एवं गैर सरकारी निकायों द्वारा 28 शिक्षकों/वैज्ञानिकों को विभिन्न पुरस्कार एवं सम्मान प्रदान किए गए।
छात्रों का प्लेसमेंट	122 छात्रों को सरकारी और गैर-सरकारी क्षेत्रों में नौकरी प्राप्त हुई।
नेट/जेआरएफ में छात्रों की उपलब्धि	77 छात्रों ने प्रतिष्ठित एसआरबी नेट/एसआरएफ/जेआरएफ परीक्षा उत्तीर्ण की है। - कृषि इंजीनियरिंग कॉलेज के 8 छात्रों ने गेट-2024 उत्तीर्ण किया।
ढांचागत सुधार	- हाइड्रोपोनिक इकाई की स्थापना। - सब्जी बीज उत्पादन के लिए 3 हेक्टेयर भूमि पर नया फार्म स्थापित किया। 2 हेक्टेयर भूमि पर पांच किस्मों (ललित, जापानी रेड डायमंड, पिक ताइवान, थाई रेड और वीएनआर बिही) वाले अमरुद के बाग की स्थापना की। - आईसीटी सुविधाओं में वृद्धि। - उपकरणों की खरीद के साथ प्रयोगशालाओं को मजबूत करना। - भारत रत्न अटल बिहारी बाजपेयी खेल परिसर की स्थापना। - खेल परिसर में ध्यान केंद्र की स्थापना। - खेल परिसर में एनसीसी छात्रों के लिए शूटिंग रेंज की स्थापना।
पहचानी गई/विकसित की गई/जारी की गई किस्में	- कालानमक चावल की दो किस्में (पूसा नरेंद्र काला नमक-1 और पूसा नरेंद्र सीआरडी काला नमक-2) अधिसूचित की गई। - आंवला की दो किस्में (नरेंद्र आंवला 25 और नरेंद्र आंवला 26) चिन्हित की गई। - बेल की तीन किस्में (नरेंद्र बेल-8, नरेंद्र बेल-10 और नरेंद्र बेल-11) चिन्हित की गई।
अनुसंधान परियोजनाएँ	2023-2024 के दौरान, विभिन्न राष्ट्रीय और अंतर्राष्ट्रीय एजेंसियों द्वारा वित्तपोषित 62 अनुसंधान परियोजनाएँ/योजनाएँ विश्वविद्यालय में संचालित थी।
बीज उत्पादन	2023-2024 के दौरान, विश्वविद्यालय ने 6836.59 क्विंटल खरीफ बीज और 4403.63 क्विंटल रबी बीज का उत्पादन किया है।
विकसित प्रौद्योगिकी	- अधिक उपज और आय के लिए लहसुन के साथ धनिया की अंतरफसल। - स्टेम गॉल, पाउडरी मिल्ड्यू और एफिड के प्रबंधन के लिए धनिया में एकीकृत कीट और रोग प्रबंधन। - सौंफ में अधिक वृद्धि, उपज और गुणवत्ता प्राप्त करने के लिए जिक सल्फेट और आयरन सल्फेट प्रत्येक का 4 ग्राम/लीटर की दर से 60, 75 और 90 दिनों में पत्तियों पर छिड़काव। - उत्तर प्रदेश में उपज और गुणवत्ता में सुधार के लिए पीजीआर और सूक्ष्म पोषक तत्व। - चारा जई की डबल कट की कटाई और नाइट्रोजन प्रबंधन।



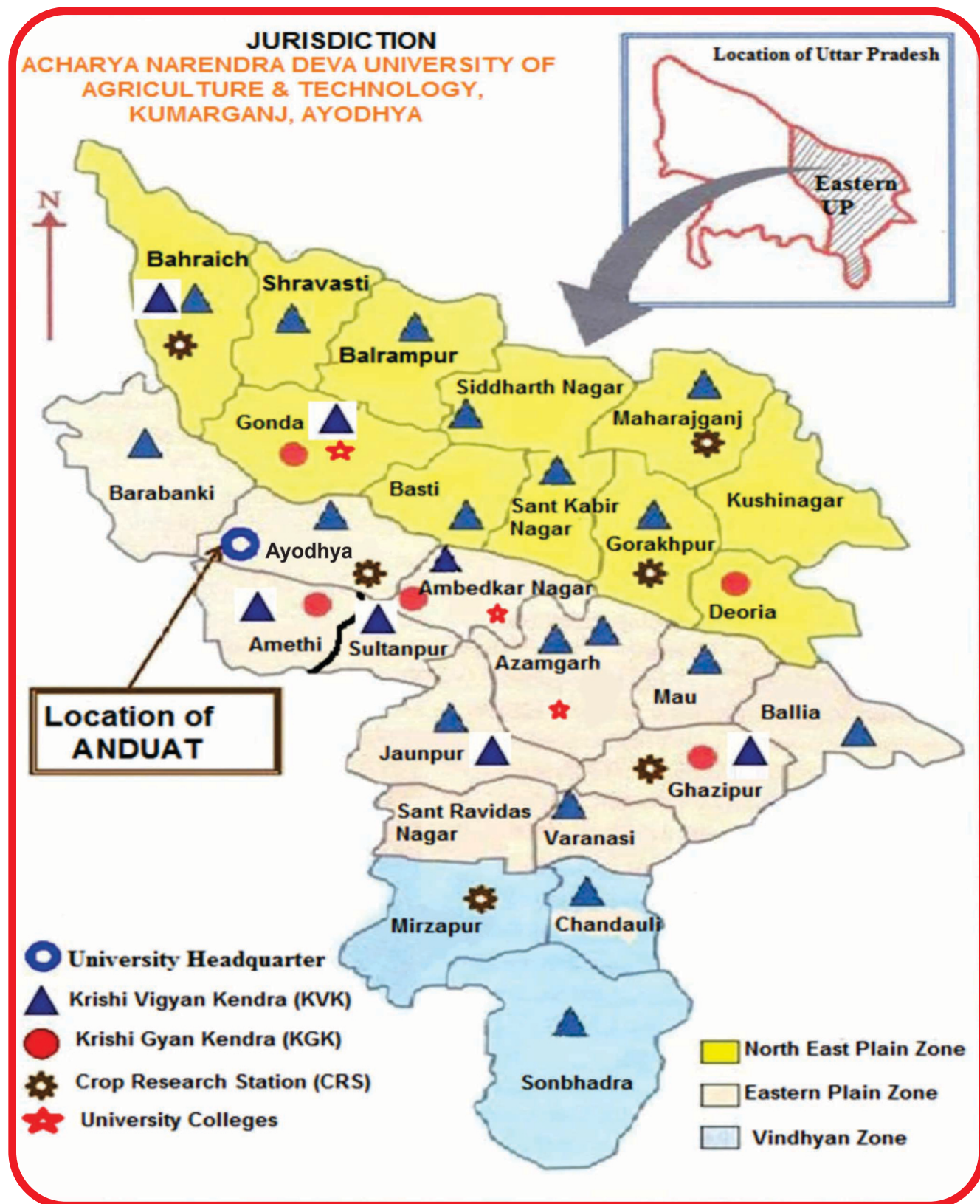
पेटेंट पंजीकृत/ प्रकाशित/ प्रदान किए गए	वर्ष 2023-24 के दौरान कुल 5 पेटेंट प्रकाशित किए गए और 2 प्रदान किए गए।
प्रसार निदेशालय द्वारा गतिविधियाँ	- केवीके द्वारा 2885.73 हेक्टेयर में खेत की फसलों, बागवानी फसलों, औजारों और उपकरणों तथा पशुधन पर कुल 11828 अग्रिम पंक्ति प्रदर्शन आयोजित किए गए। - केवीके ने किसानों सहित 84660 लाभार्थियों के लिए 3487 प्रशिक्षण कार्यक्रम आयोजित किए। - केवीके ने नवीनतम उन्नत कृषि प्रौद्योगिकियों के बारे में जागरूकता पैदा करने के लिए 1532 प्रसार गतिविधियों का आयोजन किया, जिसमें 582329 किसानों और 45359 प्रसार कर्मियों ने भाग लिया और लाभान्वित हुए। - मुख्यालय और केवीके में कुल 9 किसान मेले आयोजित किए गए। - केवीके ने बीज (5503.02 क्विंटल), रोपण सामग्री (1179329), जैव-उत्पाद (52562.20 किलोग्राम), पशुधन प्रजातियाँ (2709) और मछली के बच्चे (11113) का उत्पादन और आपूर्ति की और कुल 24235004 रुपये का राजस्व अर्जित किया। - केवीके ने अन्य प्रसार गतिविधियों (15606) का भी आयोजन किया है। इलेक्ट्रॉनिक मीडिया (62), प्रसार साहित्य (12323), समाचार पत्र कवरेज (2244), लोकप्रिय लेख (358), रेडियो वार्ता (95), और टीवी वार्ता (52), पशु स्वास्थ्य शिविर (394) जैसी प्रमुख गतिविधियाँ की गईं। - एटीआईसी के माध्यम से 6028 तकनीकी सेवाएँ प्रदान की गईं। 4245 किसानों ने एटीआईसी का दौरा किया। 21,200 प्रसार प्रकाशन बेचे गए। - निदेशालय और कृषि विज्ञान केंद्रों ने मिशन लाइफ के बारे में वकालत और जागरूकता के लिए गतिविधियों का आयोजन किया। - निदेशालय ने मुख्यालय में पांच मानव संसाधन विकास प्रशिक्षण आयोजित किए। - निदेशालय ने वित्तीय वर्ष के दौरान 13 समूह और समीक्षा बैठक कार्यक्रम आयोजित किए।
प्रकाशन	279 शोध लेख NAAS मान्यता प्राप्त या समकक्ष समीक्षा प्राप्त पत्रिकाओं में प्रकाशित हुए। 48 पुस्तकें (44 अंग्रेजी में और 4 हिंदी में) प्रकाशित हुईं।
कौशल विकास कार्यक्रम	- व्यक्तित्व विकास पर 5 दिवसीय राष्ट्रीय प्रशिक्षण जिसमें संचार कौशल और अन्य सॉफ्ट स्किल विकास पर जोर दिया गया। 3 दिवसीय तीन दिवसीय 'कैरियर काउंसलिंग और सॉफ्ट स्किल डेवलपमेंट'।
शुल्क प्रतिपूर्ति/ छात्रवृत्ति	- उत्तर प्रदेश समाज कल्याण निदेशालय द्वारा 1826 विद्यार्थियों को शुल्क प्रतिपूर्ति दी गई है। 104 विद्यार्थियों को मंडी परिषद छात्रवृत्ति प्रदान की गई। 14 विद्यार्थियों को पीएचडी मेरिट छात्रवृत्ति प्रदान की गई। - यूजी में 149 विद्यार्थियों तथा पीजी में 32 विद्यार्थियों को राष्ट्रीय मेरिट छात्रवृत्ति (एनटीएस) प्रदान की गई है।
एनसीसी	160 छात्रों के साथ 65 यूपी बटालियन की एनसीसी की पूर्ण इकाई शुरू हुई।



अन्य संस्थानों और संगठनों के साथ लिंकेज /समझौता ज्ञापन	- चन्द्रशेखर आज़ाद कृषि एवं प्रौद्योगिकी विश्वविद्यालय, कानपुर। - भारतीय मृदा विज्ञान संस्थान, भोपाल, मध्य प्रदेश। - भंडारण विकास एवं विनियामक प्राधिकरण, नई दिल्ली - भारतीय दलहन अनुसंधान संस्थान, कानपुर। - केंद्रीय मृदा लवणता अनुसंधान संस्थान, करनाल हरियाणा। - वसंत राव नाइक मराठवाड़ा कृषि विद्यापीठ परभणी, महाराष्ट्र। - रानी लक्ष्मी बाई केंद्रीय कृषि विश्वविद्यालय, झांसी। - राष्ट्रीय पादप आनुवंशिक संसाधन ब्यूरो, नई दिल्ली। - जिला शिक्षा एवं प्रशिक्षण संस्थान, अयोध्या। - उत्तर प्रदेश कृषि अनुसंधान परिषद, लखनऊ, उत्तर प्रदेश। - आईसीएआर-रेपसीड सरसों अनुसंधान निदेशालय, भरतपुर, राजस्थान - भारतीय कृषि अनुसंधान संस्थान, नई दिल्ली।
बजट सारांश	- वित्तीय वर्ष 2023-24 के दौरान कुल बजट प्रावधान : रु. 20759.61 लाख। - वित्तीय वर्ष 2023-24 में निजी स्रोतों से उत्पन्न राजस्व : रु. 2415.15 लाख।
पाठ्येतर गतिविधियाँ	- पारंपरिक खेल प्रतियोगिताओं का आयोजन। 21 जून, 2024 को अंतर्राष्ट्रीय योग दिवस के अवसर पर 2500 से अधिक छात्रों, शिक्षकों और कर्मचारियों की भागीदारी के साथ एक विशाल कार्यक्रम आयोजित किया गया। - विभिन्न अवसरों/दिवसों को मनाने के लिए कई सांस्कृतिक कार्यक्रम आयोजित किए गए। विभिन्न अवसरों पर पेंटिंग, वाद-विवाद, रंगोली का भी आयोजन किया गया। - विभिन्न कॉलेजों और एनएसएस के तत्वावधान में, विश्वविद्यालय ने पूरे वर्ष विभिन्न कार्यक्रमों का आयोजन किया, जैसे कि वृक्षारोपण अभियान, स्वच्छता अभियान आदि।
स्वास्थ्य शिविर	- गांवों में खुरपका और मुंहपका रोग जागरूकता कार्यक्रम - पशु स्वास्थ्य शिविर।
सामाजिक प्रतिबद्धता/जागरूकता अभियान	- तिरंगा यात्रा, अंतर्राष्ट्रीय बाजरा वर्ष, मेरी माटी मेरा देश, विकसित भारत, मिशन शक्ति आदि कार्यक्रम चलाए गए। - थारु समुदाय के छात्रों के लिए कृषि शिक्षा जागरूकता कार्यक्रम। - रक्तदान शिविर। - टीबी उन्मूलन कार्यक्रम।
पर्यावरण संरक्षण और स्वच्छ एवं हरित परिसर	- अपशिष्ट प्रबंधन - वर्षा जल संचयन तालाबों का निर्माण - फसल अवशेष प्रबंधन - जैविक एवं प्राकृतिक खेती - प्लास्टिक मुक्त परिसर - जल निकायों में मछलियों को छोड़ना



DOMAIN OF THE UNIVERSITY





INTRODUCTION

As part of green revolution to boost agricultural productivity in India particularly in Eastern part of Uttar Pradesh, Acharya Narendra Deva University of Agriculture and Technology (ANDUAT) was established on 10th October 1975 in the sacred land of Ayodhya. The University was named after the great freedom fighter, socialists and educational reformists Acharya Narendra Deva. The University is spread on 2195.34 ha of land including areas of Krishi Vigyan Kendras research stations and off campus colleges. The headquarter of the University is at Kumarganj which is 42 km away from Ayodhya district on Ayodhya-Raebareli road.

Since its establishment, this University has played significant role in agricultural development in the state of Uttar Pradesh through its education, research and extension obligations. In fact, the University is an agrarian pilgrimage of peasantry of Eastern Uttar Pradesh that has mandate for agricultural development of 27 districts under seven divisions viz., Ayodhya, Basti, Devipatan, Gorakhpur, Azamgarh, Varanasi and Vindhyachal Dham, covering three agro-climatic zones viz. Eastern Plain Zone, North-Eastern plain zone and Vindhyan zone of Eastern Uttar Pradesh. The organization has been vibrant and vigilant and continuing to perform societal as well as farmer centric endeavours for enabling agricultural scenario of the state to not only economically and socially sustainable, but also climate-resilient. The University has designed a specified vision and mission keeping in mind the local and global needs. This has guided the university to become centre of excellence in the field of Agriculture and Allied Sciences. Persistent endeavour has helped this university to become first agricultural organization in India to bag NAAC A++ grade in first cycle.

The University has identified several short-term and long-term goals in teaching, research and extension activities with a view to realize the mission statement. The University is guided by a Board of Management which is the policy making body and is responsible for the management of the University. The Board of Faculties through Academic Council advice the Board of Management for academic matters. The Research Advisory Committee and Extension Advisory Committees advise the Board for research and extension activities, respectively. The University has adopted robust e-governance mechanism like

academic management system, human resource management system, public financial management system, Janhit guarantee adhiniyam, GeM portal, e-tendering, RTI portal and biometric mode of attendance. Internal quality assurance cell of the university plays significant role towards implementing the best package of practices in education, developing a system for conscious, consistent and catalytic improvement in the overall performance of university with special emphasis on academic and administrative atmosphere.

In teaching, the University imparts education in Agriculture, Horticulture, Forestry, Veterinary Science and Animal Husbandry, Fisheries, Agriculture Engineering and Community Science through its constituent colleges viz. College of Agriculture, Kumarganj and Azamgarh, College of Veterinary Science & Animal Husbandry, College of Horticulture & Forestry, College of Community Science, College of Fisheries and Mahamaya College of Agricultural Engineering and Technology. Another college of Agriculture has been started from the session 2023-24 at district Gonda with intake of sixty students. These colleges together run total of 10 undergraduate, 46 post-graduate and 38 Ph.D. degree programmes. To develop holistic perspectives and skills and in line with national education policy-2020, 51 value added courses have also been started for the students. 20% revision in syllabus of 53% course programmes was made as per local, global and agro-industrial needs. Presently, the University has total student strength of 2745. Foreign students from Afghanistan, Sri Lanka, Zimbabwe, Vietnam and Nepal are also studying in the University. By 2022-23, the university has awarded a total of 10611 degrees across UG, PG and Ph.D. programmes.

The University has bolstered its teaching with the recruitment of 120 teachers/scientists and establishment of 52 ICT enabled classrooms. These classrooms provide online platform for interactions with learned intellectuals across India and World. To generate new ideas and innovations, the University has established linkages with 66 organizations of National and International repute of which four are International Organizations, 24 belongs to India Council of Agricultural Research, nine State Agricultural Universities and 29 Industries or Non-government organizations.



Research activities are being achieved through sophisticated research labs and experimental or crop research stations. Research infrastructure has been bolstered with the help of RKVY projects. The University has developed state of art feed analysis lab, embryo transfer technology lab, sex sorted semen lab, biopesticide lab, hydroponic unit, ergonomic lab, flow through system and biofloc unit for fish farming, renewable energy engineering lab and advanced Veterinary Clinical Complex. With the help of state government, incubation centre has been established. The state government has also sanctioned amount for the establishment of agrotourism centre. Tissue culture lab is also being established with the help of financial support of Mandi parishad, UP.

Research of the University are mainly oriented to meet the goals and objectives of the University as outlined in the mandate. The day-to-day management of all research work in the University is coordinated and managed by the Director of Agriculture Experiment Stations which has a competent network of technical, administrative and scientific personnel linking all teaching and research campuses. The ICAR has been providing research support through 18 AICRP in the University. In addition, 9 research projects of UPCAR, one each of DST, DBT and BARC are currently under operation. One centre of excellence in rice is also present in the university. The University has evolved a set of definite and strict guidelines for release of technology to ensure quality, credibility and reliability of research output. All research results are discussed in the Zonal Research and Extension Advisory Committee meeting and any technology developed is recommended for release on farm trials or inclusion in package of practices based on open peer review in the meeting. The most satisfying research accomplishments of the University have been in the area of varietal improvement of various crops. Since inception, the University has developed 199 varieties across different crops viz. 68 varieties of cereals, 11 of pulses, 10 of oilseeds, 9 of fodder, 56 of vegetables, 21 of fruits, 13 of spices, 4 of medicinal plants, 6 of jute and 1 of crotalaria paving way for the increased productivity particularly in eastern region of Uttar Pradesh. Last year, two varieties of aromatic Kalanamak ; Pusa Narendra Kala Namak-1 and Pusa Narendra CRD Kala Namak-2 were developed in collaboration with Indian Council of Agricultural Research. Varieties of Bel and Aonla and rice (Sarju-52) are widely acknowledged in India. Total seed

production at seed production farms of the University during the year 2023-24 was 11240.22 quintal which was nearly three times more than the seed production in the year 2017-18 (4049 quintal). The University also developed several production technologies particularly in the area of cultural practices under irrigated as well as dry land agriculture, water management and pest and disease management etc. in food crops, vegetable crops, horticultural crops, fibre crops and medicinal & aromatic plants etc. The crop production practices developed by the University have helped to increase productivity and reduce the cost of production. Breeding for pest and disease resistance in pulses; research in rainfed agriculture; improved crop production technology; mechanization for small farms and conservation of germplasm, genetic resources and biodiversity are some of the areas of current focus in research. The technology in post-harvest management and value addition is being developed to prevent losses in fruits and vegetables. Also, the university has set up integrated farming system as showcase model for farmers. Drone technology being used for crop mapping, spraying fertilizers and disease management. The University is also contributing to increasing milk production through embryo transfer technology and sex sorted semen.

The University is pioneer in wasteland management. The university has developed technology to counter salinity and submerged conditions by developing wasteland-suitable planting materials/varieties. Paddy-Fish and Paddy-Vegetable-Fish farming have been successfully established at Instructional Fish Farm to utilize water logged wasteland characterized by sodic soil. It also established organic/natural farming system, wheat and barley research farms, vegetable and horticultural farms on wasteland.

Extension is an important activity for the transfer of technology. Extension services are being provided through the network of 25 Krishi Vigyan Kendras and 4 Krishi Gyan Kendras across three agroclimatic zones of Eastern Uttar Pradesh. The University has also Agriculture Technology Information Centre (ATIC) and Krishak Help Line Service. One Narendra Deva radio station has also been resurrected for the knowledge transfer. The state government has provided financial support for the establishment of centre of excellence in six KVKs of the University. Extension network has also been strengthened with the appointment of 76 Subject



Matter Specialists. Technologies developed are also being disseminated regularly to the farmer's field with the help of demonstrations, trainings, lectures, farmer's fares and print media. The information provided by the University is valuable for the stakeholders of the agriculture sector of the state.

The university is also committed to the comprehensive growth of the students as it organizes skill development programmes, educational tours, training programmes, cultural activities etc. Seven unit of NSS and one coy of NCC is there for the students to inculcate social consciousness and patriotic feeling. To promote physical fitness and mental well-being, the university has well equipped sports complex with outdoor and indoor facilities including gymnasium and yoga centre.

The university is also actively involved in social work which aims to support and empower individuals, families and communities to overcome and improve their well-being. The university has adopted 277 villages, 120 aganwadi kendras, 3148 SC/ST families and 40 TB patients. The University has also taken initiatives for environmental conservation and sustainability issues by constructing 29 ponds for water conservation, installing solar panels, undertaking crop residues management, mass scale

plantation, promoting organic and natural farming. Efforts has been undertaken for promoting millets cultivation in Eastern Uttar Pradesh through extension machineries.

The University is endowed with various awards recognizing its excellence, achievement, outstanding contributions and dedications. The notable among them are KVK, Basti bagged Pandit Deen Dayal Upadhyaya Rashtriya Krishi Vigyan Protashahan Puraskar Award-2021 & 2023, KVK-Barabanki bestowed with National Outlook Award-2022, Best Centre Award for ICAR-AICRP on ARID Zone Fruit, Best Centre Award in AICRP-spices workshop and appreciated for excellent work in AICRP on forage crops.

The success of the University in teaching, research and extension activities is evident by the achievements of its students, placement of alumni at reputed positions, impact of its research and effective disseminations of farm technology to farmers' field. While the challenges are many, the opportunities do exist the way forward. With the focussed vision, the University would continue to explore new horizons and stride fast in agriculture education, research and extension to boost growth in agriculture and allied sectors.

VISION

To make agriculturally prosperous and nutritionally secure Eastern Uttar Pradesh

MISSION

To provide education, research and extension services in different branches of agriculture and allied sciences to farming community for their nutritional security and prosperous livelihood of Uttar Pradesh in general and eastern Uttar Pradesh in particular.

GOALS AND OBJECTIVES

- To produce professionals for management of second green revolutions.
- To accelerate the pace of enhancing rural income and employment through development of agriculture and allied fields.
- To consolidate the efforts for input and time efficient as well as cost effective technologies, processes and varieties.
- To monitor and review the agriculture development programme for sustainable agriculture growth.



UNIVERSITY ADMINISTRATION

A. UNIVERSITY AUTHORITIES

The Uttar Pradesh (Krishi Evam Prodyogic Vishwavidyalaya Adhiniyam) 1958 (U.P. Act XLV of 1958 2A ii as amended Uttar Pradesh Krishi Vishwa Vidyalaya Adhiniyam, 1958) vest powers with the University to institute degrees, diplomas and other academic distinctions.

1. BOARD OF MANAGEMENT

Board of Management is apex body endowed with the responsibility of taking policy decisions and is headed by the Vice Chancellor. Comptroller is the Secretary of this apex body. It has Academic Council to advise the University on academic matters.

BOARD OF MANAGEMENT

S.No.	Name	Address
1.	Dr. Bijendra Singh Vice-Chancellor, Chairman	A.N.D.U.A.T., Kumarganj, Ayodhya
Members		
2.	Additional Chief Secretary Agriculture Education & Research	Govt. of U.P., Secretariat, Lucknow
3.	Additional Chief Secretary Higher Education	Govt. of U.P., Secretariat, Lucknow
4.	Additional Chief Secretary Finance	Govt. of U.P., Secretariat, Lucknow
5.	Director Animal Husbandry (U.P.)	Directorate of Animal Husbandry (In front of Ramadhin Singh Inter College, Babuganj) Lucknow
6.	Director Agriculture (U.P.)	Directorate of Agriculture, Krishi Bhawan, Lucknow
7.	Dr. Bishnu Pratap Singh Agriculture Scientist	Ex-Director, 71. Bal Vihar Colony Picnic Spot Road, Chinhat, CMAP, Indira Nagar, Lucknow -226016
8.	Sri Ram Chandra Yadav , MLA	Village & Post Ghatauli Distt Ayodhya Pin Code 224164
9.	Sri Bawan Singh MLA	Village-Gaddopur, P.O.: Parsa Maheshi, Distt. Gonda - 271502, 5/109A, Vineet Khand, Gomtinagar, Lucknow – 226010
10.	Sri Vijay Bahadur Dubey Livestock Breeder	Ward No.3, Nehru Nagar, New Colony, Distt. - Deoria – 274001.
11.	Sri Ganga Sagar Rai Distinguished Industrialist	Betiahata, Near Unwal House, Distt. – Gorakhpur - 273001.
12.	Sri Shailendra Raghuvanshi Progressive Farmer	Village-Biyawn, Block-Cholapur, Varanasi-221101
13.	Smt. Munni Sharma Lady Social Worker	Village-Bishnupura, Bhagwanpur Choubey (Near Pandey Chuk Chauraha), Post-Ballyawan Distt-Deaori-274405
14.	Sri Neeraj Srivastava, Comptroller	A.N.D.U.A.T., Kumarganj, Ayodhya



2. ACADEMIC COUNCIL

The next academic authority is the Board of Studies, which is separate for each college. The Dean is the Chairman and all Heads of Departments are the members of Board of Studies for any particular College.

The academic council of the University for the year 2023-2024 comprised of following members.

S.No	Name	Designation	Chairman/Member
1.	Dr. Bijendra Singh	Vice-Chancellor	Chairman
2.	Dr. R.R Singh	Additional Director Extension	Member
3.	Dr. Pratibha Singh	Dean, College of Agriculture/HOD	Member
4.	En. Ram Jeet Singh	Assoc. Dean, MCAET	Member
5.	Dr. Sanjay Pathak	Dean, College of Hort. & Forestry	Member
6.	Dr. C.P. Singh	Dean, College of Fisheries	Member
7.	Dr. D. K. Dwivedi	DSW /Prof. & Head, Bio-Tech.	Member
8.	Dr. Sadhna Singh	Dean, College of Comm. Science	Member
9.	Dr. D.K. Singh	Assoc. Dean, College of Azamgarh	Member
10.	Dr. D. Niyogi	Prof. Vety. Pathology	Member
11.	Dr. R.K. Joshi	Prof., Veterinary Science	Member
12.	Dr. Namita Joshi	Prof. & Head, VPE	Member
13.	Dr. Rudra Pratap Singh	Prof., Bio-Chemistry	Member
14.	Dr. R. K. Dohrey	Prof. Ext. Education	Member
15.	Dr. S.C. Vimal	Prof. & Head, GPB	Member
16.	Dr. Susheel Kumar Singh	Prof. & Head, Plant Pathology	Member
17.	Dr. A. K. Singh	DAM/Head, Crop Physiology	Member
18.	Dr. Anil Kumar Singh	Prof. & Head, Agronomy	Member
19.	Dr. Sita Ram Mishra	Prof. & Head, Agro-Meteorology	Member
20.	Dr. Jaswant Singh	Prof. & Head (AGB) Vet. & A.H.	Member
21.	Dr. Anil Kumar Gangwar	Prof. & Head, Vety. Surgery	Member
22.	Dr. Shushant Srivastava	Prof. & Head, VGO	Member
23.	Dr. Subodh Kumar	Prof. & Head, T.L.F.	Member
24.	Dr. Chandra Shekhar	Prof.& Head, VPE	Member
25.	Dr. Vijay Kumar Singh	Prof. & Head, ANN	Member
26.	Dr. Sonu Jaiswal	Head, Vety. Clinical Complex	Member
27.	Dr. Amit Singh	Head, Parasitology	Member
28.	Dr. Bhagwan Deen	Prof.& Head, Post Harvest	Member
29.	Dr. D. Ram	Prof., Horticulture	Member
30.	Dr. Suman Prasad Maurya	Head, Human Dev. & Family Studies	Member
31.	Dr. S.P. Singh	Head (LFC) Vet. & A.H.	Member
32.	Dr. C.N. Ram	Prof., CHF/Sec.-BOFH	Member



S.No	Name	Designation	Chairman/Member
33.	Dr. Laxmi Prasad	HOD, Aquaculture Fisheries	Member
34.	Dr. Radhakrishnan K.V.	HOD, CF	Member
35.	Dr. Bhanu Pratap	Prof. & Head, CHF	Member
36.	Dr. V.K. Singh	HOD, Engg. College	Member
37.	Dr. J.P. Singh	HOD, Vety. Science	Member
38.	Dr. S.V. Singh	HOD, Vety. Science	Member
39.	Dr. S.K. Maurya	HOD, Vety. Science	Member
40.	Dr. Bhupendra Singh	HOD, Animal Husb. & Extn. Edu.	Member
41.	Dr. S.S. Chauhan	Prof., LPM	Member
42.	Dr. S.K. Verma	Head, Agro Forestry	Member
43.	Dr. S.K. Verma	Head, Floriculture & Landscaping	Member
44.	Dr. R. N. Kewat	Prof., Agril. Biochemistry	Member
45.	Dr. Raj Bahadur	Prof., Crop Physiology	Member
46.	Dr. Shiva Nath	Prof., GPB	Member
47.	Dr. R. K. Yadav	Prof., Crop Physiology	Member
48.	Dr. Suresh Kumar	Prof., Soil Science	Member
49.	Dr. Neeraj Kumar	Prof., Soil Science	Member
50.	Dr. N.A. Khan	Prof., Biotechnology	Member
51.	Dr. Shambhoo Prasad	Prof., Biotechnology	Member
52.	Dr. Sanjeet Kumar	Prof.& Head, GPB	Member
53.	Dr. H. K. Singh	Prof., Plant Pathology	Member
54.	Dr. P.S. Pramanik	Registrar/Dean, Veterinary Science & A.H.	Member

B. OFFICERS OF THE UNIVERSITY DURING 2023-24

	Name	Designation
1.	Dr. Bijendra Singh	Vice-Chancellor
2.	Dr. P.S. Pramanik	Registrar
3.	Dr. A. K. Singh	Director, Administration and Monitoring
4.	Dr. Anil Kumar Gangwar	Director of Agriculture Experiment Station
5.	Dr. R.R. Singh	Additional Director Extension
6.	Dr. D.K. Dwivedi	Dean, Student's Welfare
7.	Sri Neeraj Srivastava	Comptroller
8.	Dr. Pratibha Singh	Dean, College of Agriculture
9.	Dr. Sita Ram Mishra	Associate Dean, College of Agriculture, Main Campus
10.	Dr. D. K. Singh	Associate Dean, College of Agriculture, Azamgarh
11.	Dr. P. S. Pramanik	Dean, College of Veterinary Science and A.H.
12.	Dr. Sanjay Pathak	Dean, College of Horticulture & Forestry
13.	Dr. A.K. Gangwar	Dean, College of Fisheries.
14.	En. Ram Jeet Singh	Dean, MCAET, Ambedkar Nagar
15.	Dr. Sadhna Singh	Dean, College of Home Science



C. OTHER COMMITTEES/ CELLS

1. NODAL CELL ICAR:

The University has a nodal cell for communication to education division of ICAR for various students' related activities and issues under the guidance of ICAR.

S.No.	Name	Designation
1	Dr. R. K. Joshi	Nodal Officer
2	Dr. S. K. Maurya	Asstt. Nodal Officer

2. INSTITUTIONAL ANIMAL ETHICS COMMITTEE:

For the smooth conducting of research on animals, University got itself registered to CPCSEA for the purpose of experiment on small and large animals in March 2019.

Members of the IAEC during 2023-24

Internal Members (Within University)		
1	Dr. P.S. Pramanik	Chairman
2	Dr. V. K. Singh	Member Secretary
3	Dr. Rishikant, Incharge, Animal House	Member
4	Dr. Sonu Jaiswal	Member
5	Dr. A noop Singh	Member
CPCSEA Nominees		
1	Dr. D.S. Upadhyay; CSIR – Central Drug Research Institute, Lucknow	Main Nominee
2	Dr. Atul Kumar Baranwal Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow	Link Nominee
3	Dr. Mahadeo Kumar CSIR – Indian Institute of Toxicology Research, Lucknow	Scientist from outside of the Institute
4	Dr. Alok Kumar Shukla Amity Institute of Pharmacy, Amity University, Uttar Pradesh, Lucknow	Socially aware Nominee

3. INSTITUTIONAL QUALITY ASSURANCE CELL:

For maintaining quality in all administrative and academic activities conducted during a calander year, as per the University mandate, an Institutional Quality Assurance Cell (IQAC) has been constituted with the following members.

University IQAC Committee during 2023-24

1.	Dr. Bijendra Singh, Vice-Chancellor	Chairman
2.	Dr. D.K. Dwivedi, Professor & Head, PMB & GE	Director
3.	Dr. Sushant Srivastava, Professor, College of Veterinary Science & AH	Coordinator
Teachers to represent all Level		
4.	Dr. Sanjeet Kumar, Professor & Head, GPB	Member
5.	Dr. Sita Ram Mishra, Professor & Head, Agro-metrology	Member
6.	Dr. Satya Vrat Singh, Assoc. Professor, C.V.Sc. & A.H.	Member
7.	Dr. Laxmi Prasad, Assoc. Professor, College of fisheries	Member
8.	Dr. Vishal Mehta, Asstt. Professor, College of Agriculture	Member



Member from the Management		
9.	Dr. Jitendra Kumar Tomar, Director Agriculture, Lucknow	Member
Senior Administrative officers		
10.	Dr. P.S. Pramanik, Dean, C.V.Sc. & A.H.	Member
11.	Sri Neeraj Srivastava, Comptroller	Member
12.	Dr. A.K. Singh, Director, Administration & Monitoring	Member
13.	Dr. Bhoopendra Singh, Administrative Officer	Member
14.	Dr. A.K. Gangwar, Director Research	Member
15.	Dr. R.R. Singh, Additional Director Extension	Member
16.	Dr. Pratibha Singh, Dean, College of Agriculture	Member
17.	Dr. Sanjay Pathak, Dean, College of Horticulture & Forestry	Member
18.	Dr. Sadhna Singh, Dean, College of Community Science	Member
19.	Dr. C.P. Singh, Dean, College of Fisheries	Member
20.	Dr. Suman Maurya, Dean, PGS	Member
21.	Dr. D.K. Singh, Assoc. Dean, College of Agriculture, Azamgarh	Member
22.	Er. R.J. Singh, Dean, College of MCAET, Ambedkar Nagar	Member
23.	Dr. Subodh Sachan, Librarian	Member

4. STUDENT GRIEVANCE REDRESSAL COMMITTEE:

For resolving the issues of students as per the UGC guidelines Student Grievance Redressal Committee (SGRC) was constituted with the following members.

1	Dr. Pratibha Singh, Dean, College of Agriculture	Chairman
2	Dr. Sanjay Pathak, Dean, College of Horticulture & Forestry	Member
3	Dr. D.K. Singh, Assoc. Dean, College of Agriculture, Azamgarh	Member
4	Dr. Chandra Shekhar, Professor, C.V.Sc. & A.H.	Member
5	Dr. C. N. Ram, Professor, College of Horticulture & Forestry	Member
6	Dean Student Welfare representative	Special Invitee

4. WOMEN HARASSMENT CELL:

To address the women complaints and their welfare as per the UGC guidelines the Women Harassment Cell was constituted with following members.

1	Dr. Suman Prasad Maurya, Dean, PGS	Chairman
2	Dr. Ruma Devi, Asstt. Professor, C.V.Sc. & A.H.	Member
3	Dr. Vijay Laxmi Rai, Asstt. Professor, College of Agriculture, Azamgarh	Member

5. RANKING CELL

1	Dr. Sushant Srivastava, Professor, C.V.Sc. & A.H.	Director
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6. INTERNATIONAL CELL

1	Dr. Amit Singh, Professor, C.V.Sc. & A.H.	Director
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**D. MEETINGS OF EXECUTIVE BODIES DURING 2023-2024****1. BOARD OF MANAGEMENT**

S.No.	Number of BOM Meeting	Date
1.	196 th meeting of BOM	12.05.2023
2.	197 th meeting of BOM	28.06.2023
3.	198 th meeting of BOM	11.09.2023
4.	199 th meeting of BOM	03.11.2023
5.	200 th meeting of BOM	13.03.2024

2. ACADEMIC COUNCIL

S.No.	Number of A.C. Meetings	Date
1.	Academic Council Meeting 299 th	14.07.2023
2.	Academic Council Meeting 300 th	04.08.2023
3.	Academic Council Meeting 301 st	30.08.2023
4.	Academic Council Meeting 302 nd	13.10.2023
5.	Academic Council Meeting 303 rd	26.10.2023
6.	Academic Council Meeting 304 th	20.11.2023
7.	Academic Council Meeting 305 th	25.11.2023
8.	Academic Council Meeting 306 th	02.01.2024
9.	Academic Council Meeting 307 th	19.02.2024
10.	Academic Council Meeting 308 th	06.03.2024

Major Decisions taken by Academic Council:-

Following decisions were taken by Academic Council during the year July 2023- June 2024.

- (i) Academic council approved the 2 years Diploma in Aquaculture and Fisheries.
- (ii) Academic council approved the student's admission through Nepal Scholarship Scheme.
- (iii) Academic council approved the 30 seats in BSc. (Hons) Forestry for the session 2024-25.
- (iv) Academic council approved the 65 seat student (U.G.) at college of Agriculture Karnailganj, Gonda after approval of competent authority as well as steering committee of UPCATET-2024.
- (v) Academic Council approved to start Ph.D. programme in college of Horticulture & Forestry in the department of Post-Harvest Management and Floriculture & Landscaping for the session 2024-25.
- (vi) Academic Council approved the value added courses of different colleges.
- (vii) Academic Council approved the 02 research paper publication mandatory for Scopus indexed journal for annual increment of faculty members.
- (viii) Academic Council approved the student's registration mandatory in AMS.
- (ix) Academic Council approved the student's online classes taken by NBFGR scientists.



3. INSTITUTIONAL ANIMAL ETHICS COMMITTEE

SN	Meeting Number	Date	No. of proposals
1.	Nineth meeting of IAEC	December, 16 th , 2023	15

4. FINANCE SUB COMMITTEE

S.No.	Number of Meeting	Date
1.	109 th meeting of finance sub committee	28.06.2023
2.	110 th meeting of finance sub committee	03.11.2023
3.	111 th meeting of finance sub committee	13.03.2024

E. FACULTY PROFILE

Presently, total faculty strength in the constituent colleges / KVKs, research centres and AICRP of the university is 344. About 142 faculty members are in the teaching schemes, 63 in the research schemes and 139 at different KVKs in extension.

Units	Sanctioned	In position
Colleges	295	142
Directorate of Research	53	33
Directorate of Extension	45	11
AICRPs	49	16
KVKs	175	139
Fisheries Entrepreneurship Training Centre	04	03
Total	621	344



TEACHING

I. EDUCATION

The University offers UG programme in 10 disciplines, Master Degree programme in 46 disciplines and Ph.D. programme in 38 disciplines. Since its inception, the University has produced graduates over 2799 in Agriculture, 826 in Home Science, 548 in Veterinary, 481 in Horticulture, 305 in Fisheries and 1243 in Agricultural Engineering/Computer Sci./Mechanical Sci. and Postgraduates; 3055 in various disciplines of Agriculture, 184 in Veterinary, 178 in Horticulture/Veg./Forestry, 61 in Home Science/Community Science, 8 in Agriculture Engineering and 9 in Fisheries as well as 860 Ph.D in various disciplines of Agriculture, 34 in Horticulture Veg./Forestry, 17 in Veterinary Science and 3 in Community Science/Home Science.

II. COLLEGES

The various colleges and research stations of the university are housed in spacious buildings at their campuses. The laboratory facilities and classroom spaces are adequate for UG and PG teaching. All students wishing to stay in the campus are provided hostel facilities that are sufficient at both the campuses. Location of various constituent colleges of University is as follows—

SN	College	Location
1.	College of Agriculture	Main Campus, Kumarganj
2.	College of Agriculture	Kotwa, Azamgarh
3.	College of Agriculture	Gonda
4.	College of Veterinary Science & Animal Husbandry	Main Campus, Kumarganj
5.	College of Horticulture & Forestry	Main Campus, Kumarganj
6.	College of Fisheries	Main Campus, Kumarganj
7.	College of Community Science	Main Campus, Kumarganj
	Mahamaya College of Agriculture Engineering & Technology	Akbarpur, Ambedkar Nagar



COLLEGE OF AGRICULTURE, MAIN CAMPUS

Dr. Pratibha Singh, Dean

The College was established to meet out the education of agriculture and allied sectors in the 26 districts belonging to seven revenue divisions viz; Ayodhya, Basti, Devipatan, Gorakhpur, Varanasi, Azamgarh and Vindhyachal Dham of Eastern U.P. under three agro-climatic zones i.e., North Eastern Plain Zone (NEPZ), Eastern Plain Zone (EPZ) and Vindhyan Zone (VZ). Presently, fourteen departments viz; Agronomy, Plant Molecular Biology and Genetic Engineering (PMB&GE), Crop Physiology, Entomology, Agriculture Biochemistry, Extension Education, Genetics and Plant Breeding, Agricultural Meteorology, Plant pathology, Soil Science and Agril. Chemistry, Agril. Statistics, Agril. Economic, Agri-Business Management and Seed Science & Technology are functioning in College of Agriculture. New U.G. degree programme; B. Tech in Biotechnology has been started from the session 2023-24.

STUDENTS' STRENGTH IN U.G., P.G. AND Ph.D. PROGRAMMES (2023-24)

Undergraduate	Post-graduate	Ph.D.
566	176	108

TEACHING ACTIVITIES:

Rural Agricultural Work Experience and Agro-Industrial Attachment (RAW&AIA):

In year 2023-24, agricultural outreach activities were conducted by 135 students who were divided in 25 groups. Students in groups went to villages of Ayodhya district namely Dhagapur, Umarhar,

Katghara, Isaulibhari, Itaunzha, Tindauli, Dhamthua, Joriam, Jgannathpur, Bisa Ka Purwa, Barauli, Bhatpurwa, Laal Ka Purwa, Saroorpur, Ratapur, Anjrauli, Sarai Dhaneti, Mitaura, Barai Para, Wasapur, Bawan, Sidhauna, Churawan Ka Purwa, Gosain Ka Purwa and Akma, and made farmers aware about scientific cultivation and recent technologies in agriculture. Students made farmers aware about scientific manner of cultivation of crops i.e., maize, paddy, pigeonpea, urdbean, mungbean etc. They also told farmers about seed rate, scientific method of nursery raising, fertilizer weed, water and nutrient management. They also gave information to farmers regarding mushroom production technology, bee keeping insect pest management and storage technology. They encouraged farmers to use the bio-agent. Students created awareness among farmers about use of certified seeds, kharif seed- production, animal health, natural farming and insurance of crops. Students also made them aware about education and malnutrition. They made farmers aware about modern as well as sustainable agricultural practices through *Krisak Gosthi* also.

Experiential Learning Programme (ELP):

Three Experiential Learning Programme were offered in the college of agriculture to develop entrepreneurship skills in the under graduate students.

- 1-ELP-422: Seed Production and Technology 10(0+10)
- 2-ELP-423: Mushroom cultivation Technology 10(0+10)
- 3-ELP-425: Commercial Bee Keeping 10(0+10)



Photographs of Students' Activities during the Village Attachment Program of RAW& AIA (Year: 2023-24)

**1-ELP-422: Seed Production and Technology:**

Experiential learning programme (ELP-422) was conducted on Seed Production and Technology aspects during 2023-24, 2nd semester in which 130 students were registered. The registered students were engaged with the hand-to-hand practical knowledge of Seed production technology.

2-ELP-423: Mushroom cultivation Technology:

Experiential Learning Programme (ELP-423) was conducted on Mushroom Cultivation Technology during 2023-24, 2nd semester in which 8 students was registered. The registered student was engaged with the hand-to-hand practical knowledge of producing spawn of mushroom, cultivation of oyster mushroom (*Pleurotus ostreatus*) and milky mushroom (*Calocybe indica*). In whole ELP programme, the student showed enthusiasm and eagerness to learn about the production technology of mushroom cultivation as student was willing to start a small-scale startup in the future.

3-ELP-425: Commercial Bee Keeping :

Experiential Learning Program (ELP-425), Commercial Beekeeping was conducted during 2023-24. Total 132 were registered in the programme. The students of this programme were engaged with hands on training and practical knowledge of beekeeping. In the entire programme, all students showed their interest to learn the skills of beekeeping.

RESEARCH ACHIEVEMENTS:**NEW REPORT OF DISEASES-03**

- ❖ Singh, Sushil Kumar., Vemana, K., Reddy, M. Gurivi., Sharma, N. K., Yadav, J. K. and Rao, G.P. (2023). First report of *Candidatus* Phytoplasma asteris (16SrI-B) association with leaf yellowing and phyllody of *Moringa oleifera* in India. *Plant Disease*. 107 (6):1934 PDIS-09-22-2173-PDN.
- ❖ Singh, Sushil Kumar., Mishra, R. K., Reddy, M. Gurivi., Rahul, S. N., Marcone, C. and Rao, Govind P. (2023). First report of *Candidatus* Phytoplasma Australasia related strain associated with opium poppy phyllody and stunting in India. *Australasian Plant Pathology* <https://doi.org/10.1007/s13313-023-00937-5>.
- ❖ Mitra, S., Rao, G. P. and Singh, Sushil Kumar. (2023). First report of a phytoplasma associated with little leaf and witches' broom of *Tecomastans* in India. *Phytopathogenic Mollicutes*, 13 (1):103-104. DOI10.5958/2249-4677.2023.00052.X.

RESEARCH OUTPUT UNDER THE PROJECT CENTRE OF EXCELLENCE FOR RICE

- ❖ 15-20 % more yield under agronomical trial through sanda cultivation of rice.
- ❖ Under plant physiological trial, 10 genotypes have been found tolerant for drought stress and 16 genotypes have been found tolerant for submergence stress.
- ❖ Developed more than 32 promising lines of rice for various rice ecosystems.

RESEARCH OUTPUT UNDER THE PROJECT Ec-IFAD

This project is fully funded by IRRI, Philippines. Under this, research is being carried out with different crop yield improvement programmes with following achievements:-

- Improved grain and grain quality.
- Increased average yield of crop by 15-20%.
- Improved fertilizer use efficiency.
- Inhibited loss of nitrogenous fertilizer from soil.
- Improves nutritional value of grain.

PATENTS:

- a. "Tracking System for Employee Behaviour Based on Interactive Learning", Dr. Mukul Gupta, Dr. Deepa Gupta, Dr Priti Rai, Dr. Priyanka Verma, Dr Rajeev Kumar Doharey, Mr Sarthak Doharey and Mr Parth Mukul Gupta, Design No-6292290, Registration Date-22, June-2023, Grant Date: 02 July-2023 by Adam Williams, Comptroller-General of Patents, Designs and Trade marks, Intellectual Property Office, UK.
- b. "System to track labour movements in the unorganised sector in real time ~ *System zur Verfolgung von Arbeitsbewegungen im unorganisierten Sektor in Echtzeit*", Acharya Biswaranjan, Bhubaneshwar, Odisha, IN Doharey, Rajeev Kumar, Ayodhya, Uttar Pradesh, IN Doharey Sarthak, Ayodhya, Uttar Pradesh, IN Gupta Mukul, Greater Noida Uttar Pradesh, IN Gupta, Deepa, Greater Noida, Uttar Pradesh, IN Qureshi, Mahek Iram, Awravati Maharstra, IN Rai, Priti, Nagpur, Maharstra.
- c. Amir Ansari, Pramod Kumar Mishra, Sandeep Kumar Pandey, Dharmendra Kumar Singh, Vijay Kumar Singh, Manish Kumar, Paul Arjun Sanjay, Vipul Chaudhary, Vishal Mehta and Shivam (2023). Apparatus for cleaning a solar panel and method thereof. *The Patent Office Journal* No. 40/2023, 66356, Dated 06/10/2023.

**RESEARCH PROJECTS:**

During the year 2023-24, 31 research projects were under operations in College of Agriculture. The details of present research projects are given below:

A-All India Co-Ordinated Research Projects (75% ICAR share and 25% State share):

S. No.	Name of the Project/ Scheme	Year of Start
1.	AICRP on Rice Improvement	1976
2.	AICRP on Wheat & Barley Improvement	1987
3.	AICRP on MULLaRP Crops	2001
4.	AICRP on Chickpea	2001
5.	AICRP on forage Crops Improvement	2001
6.	AICRP on Potential Crops	1995
7.	National Seed Project (Crops)- 1- Seed Technology Research 2- Breeder Seed production	1978
8.	AICRP on Irrigation Water management	1980
9.	AICRP on Integrated Farming System	1976
10.	AICRP on Agro-meteorology	1990

B-Scheme 100% Financed by ICAR:

1.	NICRA (Agro-meterology)	2010
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C-Research Projects Financed by International Agencies:

Name of the project/scheme	Year of start	Funding agency	PI
Ec-IFAD	2014	IRRI	Dr A K Singh
Centre of Excellence for Rice	2018	U.P Government	Dr A K Singh
AGGRi ALLINCE	2019	IRRI	Dr A K Singh

D-Research Projects Financed by Other National/ State Agencies:

1.	Gramin Krishi Mausam Seva (i) Head Quarter, Kumarganj Ministry of Earth Science (IAAS) (ii) Bahraich	1993
2.	Forecasting Agricultural output using space, agro-meterology and land based observations (FASAL) Ministry of Earth Science (Govt. of India)	2010
3.	Creation of Seed hubs for increasing indigenous production of pulses in India (NFSM)	2016-17 to 2017-18
4.	Centre of Excellence in Rice (State Govt.)	2018-19
5.	Establishment of model seed testing lab. Under quality control Component of sub mission on seeds & planting material (SMSP) (Ministry of Agril. & Farmers Welfare ,GOI)	2018-19
6.	Strengthening of seed production farms	2020-21
7.	Germplasm characterization and trait discovery in wheat Using genomic approaches and its integration for improving climate resilience, productivity and nutrition quality. Sub Project: Characterization and evaluation of wheat germplasm lines for biotic stress resistance (DVT, Govt.).	2020-21

**E. Research Projects Financed by UPCAR**

Sl. No.	Name of the Project/ Scheme	Year of Start & Rs. In lacs
1.	Genetic enhancement for terminal heat tolerance in bread wheat (<i>Triticum aestivum</i> L.) with conventional and molecular breeding approaches.	2020-21 Rs. 16.77
2.	Genetic Improvement of Kala Namak for productivity traits, biotic and abiotic stress tolerance, aroma and nutritional quality.	2020-21 Rs. 14.40
3.	Value Chains of major Agricultural Commodities : A lucrative approach for improving livelihood status of farmer's in Uttar Pradesh	2022-23 Rs.49.96
4.	Improving livelihood status in eastern Uttar Pradesh through assessment of average farmer's: An income enhancement approach.	2022-23 Rs. 24.90
5	Collection and evaluation of Millet germplasm for improvement and value addition: Focus Central-East Uttar Pradesh.	2023 Rs. 56.12 .

F -Non - Plan Projects 100% Financed by State Govt:

1.	Oil Seed Project
2.	Pulses Project
3.	Research on Crop Physiology
4.	Foundation and breeder seed production unit and strengthening of seed testing lab.

G -Research Projects Financed by R.K.V.Y.:

1.	Establishment of molecular lab for identification of physio-molecular traits in the way of submergence & drought dual tolerance rice varieties for Rain-fed low land areas of Eastern U.P.
2.	Strength of seed production farms
3.	Collection identification and distribution of relatively high iron and zinc containing genotypes among farmers for fulfillment of nutritional requirement of rice eating poor consumers

H. Research project Financed by Mandi Parishad:

S. No.	Title of the project	Funding agency	Total outlay	Name of PI/ Co-PI
1.	Establishment of tissue culture laboratory for micro propagation for Mass Multiplication of Quality Planting Material of Banana for increasing the income of Farmers submitted to State Agricultural Produce Markets Board Lucknow		8.7 Crores	Dr. D. K. Dwivedi PI

MEMORANDUM of UNDERSTANDING

- Recently the Department of Genetics and Plant Breeding in association with Seed Science of Technology facilitated signing of following MoUs to strengthen research education to empower higher degree students and faculties. The MoUs were signed by respective Directors of ICAR institutes and our Hon'ble, Vice Chancellor.
- Umbrella MoU between ANDUA&T and

NBPGR, New Delhi, effective from the 29 December 2023: The major objective is to use NBPBR strength germplasm in discovery research and conduct joint research for Master and Ph.D. students of ANDUAT.

- MoU between ANDUA&T and ICAR-IARI New Delhi, effective from the 6th of June 2024: The major objectives is to produce breeder seeds of IARI's varieties which are released for Eastern Uttar Pradesh, utilize advanced phenotyping and speed breeding facility of IARI



by ANDUAT breeders and capacity building of ANDUAT staff in the field of Artificial Intelligence and disruptive technologies.

VARIETAL DOCUMENTS PROCESSED FOR NOTIFICATION

Wheat

Narendra Wheat 7008 is a well-suited for timely sown conditions and has a yield of 23.05 quintals per hectare. This variety has given extremely high yield 44.4 q/ha. at national level. It has sown resistance to leaf blight, stripe rust (yellow rust) and stem rust (black rust) under natural condition at different disease hotspot areas. It is bold seeded (test weight 47gm) and medium maturity group which makes it more acceptable to consumers.

Chickpea

Narendra Chana-1 (NDG 14-11) is a Desi variety, well-suited for timely sown conditions and has

a yield ranging from 25 to 30 quintals per hectare. The maturity period is between 135 to 140 days, and the plants are about 50 cm height. The seeds are bold with a light brown and a 100-seed weight of 25.9 grams. This is resistant to wilt, dry root rot, and Ascochyta blight, and moderate resistance to pod borer. This is suitable for changing climatic conditions, making it a versatile choice for farmers.

Field Pea

Narendra Matar-1 (NDP 2014-4) is suitable for normal growing conditions. Grain yield ranged from 20 to 25 quintals per hectare in crop duration of 115 to 118 days. The plants are erect and medium tall (average height 68 cm). The variety produces large seeds that are creamy white. This is resistant to powdery mildew and tolerance to rust, making it a resilient choice in pathogen infested regions. .



LIST OF STUDENTS SUCCESSFUL IN EXAMS (JRF/SRF/NET):

S.No.	Name of student	I.D. No./Department	NET/SRF/JRF
1	Kunal Jambule Hemant	A-14999/23	SRF
2	Amrendra Kumar Yadav	A-11767/20	NET
3	Tanisha Gehlot	A-11768/20	NET
4	Anushka Pandey,	A-11169/19/21	NET
5	Shubham Pandey,	A-12297/21	NET
6	Mandeep Singh	A-12378/21	NET
7	Shivam Singh	A-10002/11/19	NET
8	Abhishek Katiyar	A-12998/22	NET
9	Vishwa Vijay Raghuvansi	A-11648/20/22	NET
10	Sudipta Mahato	A- 11758/20	NET
11	Prabha Siddharth	A-11643/20	NET
12	Sandeep Kumar	A-13000/22	NET
13	Krishna Kumar Patel	A-11148/19	NET
14	Deepak Kumar Dwivedi	A-11760/20	NET



S.No.	Name of student	I.D. No./Department	NET/SRF/JRF
15	Gayatri Prahlad Turkar	A-11781/20	NET
16	Tripti Mishra	A-12269/21	NET
17	Rajesh Samota	A-12438/21	NET
18	Rishikesh Yadav	A-12264/21	NET
19	Rupa patel	A-12266/21	NET
20	Dharmendra Kumar	A-12993/22	NET
21	Heenashree Mension	A-11766/20	NET
22	Shubham Singh	A-1159/20	NET
23	Rajneesh Kumar Verma	A-11779/20	NET
24	Venkatesh Padimi	A-12436/21	NET
25	Akash Singh	A-12252/21	NET
26	Puneet Kumar	A-11139/19	NET
27	Sangeetha K.S.	A-12435/21	NET
28	Ashutosh Singh Aman	A-11136/19	NET
29	Ashish Kumar Verma	A-9688/17/21	NET
30	Yogesh Kumar Verma	A-12305/21	NET
31	Jai Pal	A-12441/21	NET
32	Gaurav Kumar	A-12372/21	NET
33	Amrit Warshini	A-14079/22	NET
34	Vishal Yadav	A-9220/16/20/22	NET
35	Abhinav Singh	A-11720/20	NET
36	Virendra Pratap	A-7827/14/20	NET
37	Ritesh Singh	A-11177/19/21	NET
38	Pushpendra Kumar	A- 13002/22	NET
39	Sandeep Kumar	A-13000/22	NET
40	AmrendraYadav	A-11767/20	ASRB NET
41	Tanisha Gehlot	A-11768/20	ASRB NET
42	Subham Pandey	A-12297/21	ASRB NET
43	Anushka Pandey	A-11169/19/21	ASRB NET
44	Aman Srivastav	A13286	NET
45	Mr Aman Verma	A-12992/22	UGC-NET
46	Anurag Shankar Singh	A-12371/21	UGC-NET
47	Mr Brij Raj Sharma	A-14086/22	ASRB-NET
48	Pushpendra Kumar	A-13001/22	ASRB NET
49	Babu Lal	A-10068/17/23	NET
50	Hayam Bobby Singh	A-14999/23	SRF

**STUDENTS' PLACEMENT:****List of Students selected as SMS, AP & STA in UP and other Government and Private sector jobs.**

Sl.No.	Name of Students	Id.No. /Department	Placement
1	Shivanand Maurya	A-10491/18/20	STA/ Subject Matter Specialist (Agriculture), Krishi Bhavan, Jaunpur
2	Hari Om Mishra	A-11092/19/21	Subject Matter Specialist (Agronomy), KVK, Basti
3	Vishal Singh	A-11221/19	Asst. Professor, Invertis University, Bareilly
4	Kuldeep Singh	A-11220/19	Asst. Professor, Mahayogi Gorakhnath University, Gorakhpur
5	Ankit Kumar	A-11222/19	Asst. Professor, Eternal University, Himachal Pradesh
6	Dr. Ramveer	Entomology	Assistant Professor at ANDUAT
7	Mr. Rovit Kumar	Agricultural Meteorology	Technical Asstt, U.P. Govt.
8	Mr. Gajendra Singh	Agricultural Meteorology	Technical Asstt, U.P. Govt.
9	Mr. Vishesh Kumar	Agricultural Meteorology	Technical Asstt, U.P. Govt.
10	Mr. Gulab Singh	Agricultural Meteorology	Technical Officer
11	Dr. Abhinav Kumar	Agronomy	Assistant Professor at ANDUAT
12	Dr. Sanjeev Singh	Agronomy	Assistant Agronomist at ANDUAT
13	Dr. Sarvesh Kumar Dubey	Agricultural Statistics	Assistant Professor in Sri Karan Narendra Agriculture University, Jobner, Rajasthan.
14	Dr. Piyush Kumar Singh,	Agricultural Statistics	Assistant Professor in ANDUAT
15	Dr. Kritanjay Kumar Maurya	Agricultural Statistics	Statistician in CRS Masodha ANDUAT
16	Dr Praveen Singh	Agricultural Meteorology A-8237/14/20	Asstt. Prof., Sant Bababhag singh university Jalandhar punjab
17	Dr Raghuvendra Kr Aryan	Agricultural Meteorology A-9563/16/19	Asstt. Prof., Maharaja Agrasen Himalayan Garhwal University, Utraktand
18	Mr Amrendra Yadav	Agricultural Meteorology A-11767/20	Asstt. Prof. Sridhar University Pilani, Jhununu, Rajasthan 333031
19	Dr. Divya Singh	Plant Pathology	Assistant Plant Pathologist, ANDUAT
20	Dr. Gagan Kumar	Plant Pathology	Assistant Plant Pathologist, ANDUAT
21	Dr. Manish Kumar Maurya	Plant Pathology	Assistant Plant Pathologist, ANDUAT
22	Dr. Samir Pratap Singh	Plant Pathology	Assistant Professor, Plant Pathology at BAU, Bihar
23	Dr. Anand Singh	Soil Science and Agricultural Chemistry	Assistant Professor at ANDUAT
24	Dr. Pawan Kumar	Agril. Economics	Assistant Professor in Mangalayatan University, Aligarh, U.P.



Sl.No.	Name of Students	Id.No. /Department	Placement
25	Dr. Ajeet Kumar	Agril. Economics	Assistant Professor in Inverties University Bareilly, U.P.
26	Dr. Ajay Kumar Singh	Agril. Economics	Bundelkhand University Jhansi, U.P.
27	Dr. Ashish Srivastava	Agril. Economics	Rama University Kanpur, U.P.
28	Dr. Randhir Kumar Yadav	Agril. Economics	C.S.Azad University of Agriculture & Technology Kanpur, U.P.
29	Dr. Rishabh Singh	Seed Technology	Assistant Seed Technologist at ANDUAT
30	Arvind Kumar	Entomology	Training Coordinator, Centre for Agriculture and Farmers Development (CAFD), Shankarpur, Uttarakhand.
31	Ratnakar Pathak	Entomology	Assistant Professor, Career Point University, Kota, Rajasthan.
32	Mr. Brij Raj Sharma	Agriculture Extension	Selected as SMS (Agriculture Extension) through ASRB in ICAR KVK.
33	Abhishek Tiwari	Soil Science, M.Sc. A-10117/18/22	AGT (IFFCO)
34	Uditya Bacchan	Soil Science, M.Sc. A-12864/22	RAEO (MP Govt.)
35	Rishikesh Yadav	Soil Science, M.Sc. A-12264/21	Management Trainee (National Fertilizer Limited)

TRAINING PROGRAMMES/WORKSHOP/ CONFERENCES ORGANIZED:

- ❖ Two Days National workshop cum Training program on “Data Analysis and Decision making in Agriculture and Allied Sciences” was conducted during 21 & 22 Nov. 2023.
- ❖ Alumni meet and National Conference on “Climate resilient agriculture for sustainable development and doubling farmers' income” was organized at ANDUAT from 22-23 December 2023.
- ❖ Organized two days RKVY, sponsored training on “Application of different microbial formulations for sustainable agri-productivity” as Course Coordinator during 29-30 January, 2024 at Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya.
- ❖ Organized two days RKVY, sponsored training on ‘सतत कृषि उत्पादकता एवं मृदा संवर्धन हेतु जैव – उर्वरकों का उपयोग’ during 12-13 February, 2024 at Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya.

FACULTY PARTICIPATION IN SEMINAR/ CONFERENCES

- ❖ Dr. Manish Kumar, Asstt. Prof. (Agril. Statistics), participated and presented research article in National Seminar on “Climate Resilient Agriculture for Sustainable Development and Doubling Farmers' Income” organized in A.N.D.U.A.T, Ayodhya, during 24-25 December, 2023.
- ❖ Dr. Vishal Mehta, Asstt. Prof. (Agril. Statistics), presented research article and worked as *Rapporteur* in National Seminar on “Climate Resilient Agriculture for Sustainable Development and Doubling Farmers' Income” organized in A.N.D.U.A.T, Ayodhya, during 24-25 December, 2023.
- ❖ Dr. Manish Kumar, Asstt. Prof. (Agril. Statistics), participated and worked as joint Co-organizing secretary in National Workshop cum Training on “Data Analysis and Decision Making in Agriculture and Allied Sciences” organized in A.N.D.U.A.T, Ayodhya, during 21-22 November, 2023.
- ❖ Dr. Vishal Mehta, Asst. Prof. (Agril. Statistics), participated and worked as joint Co-organizing secretary in National Workshop cum Training



on “Data Analysis and Decision Making in Agriculture and Allied Sciences” organized in A.N.D.U.A.T, Ayodhya, during 21-22 November, 2023.

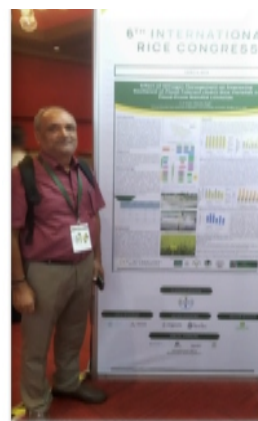
- ❖ Dr. N.A. Khan was convenor in 3rd National Conference on Livelihood & food security through Agriculture & Applied Sciences (LFSAAS-2023) 5th November 2023 (Ranchi) Venue Dr Shyama Prasad Mukerjee University Ranchi, Organised SAID Society Ranchi.
- ❖ Dr. N.A. Khan was Joint organizing secretary on National Workshop on Plant Tissue Culture & Molecular Marker Techniques in Fruit Crops organized by Deptt. of Fruit Science, CHF ANDUAT, Kumarganj 2-4 Nov 2023 and deliver lecture on resource person on topic MAS in Fruit crop (2/10/2023).
- ❖ Dr. N.A. Khan presented research paper during National Seminar 2022 on Climate Resilient Agriculture for sustainable development and doubling farmers income 16-17 Dec 2022 Revised date 24-25 Dec 2023 (Alumni Association) on topic management of Alternaria Blight of Indian Mustard through molecular approaches.
- ❖ Dr. N.A. Khan participated in Seminar during AICRP on Vegetable crops ISVS Golden Jubilee National Seminar on Technology Innovations on Vegetable production under changing climate regime during, 24-26 Feb 2024 at ANDUAT, Kumarganj.
- ❖ Dr. N.A. Khan participated in National Conference on Expanding the Horizons of microbial Research in Agriculture 10-11 June 2024 on NIBAM Mau on topic Microbial marbles: Exploring Biotechnological Frontiers in Microbiology.
- ❖ Dr. Shambhoo Prasad attended National Group Meeting on AICRP forage crop at Urlikanchan, Pune Maharashtra from 25-27 September 2023.
- ❖ Dr. Shambhoo Prasad participated ISVS Golden Jubilee National Seminar on “Technological innovations in Vegetable Production under Changing Climate Regime” during 24-26 February, 2024 at ANDUAT, Kumarganj, Ayodhya.
- ❖ Dr. Shambhoo Prasad participated in National Seminar on Climate Resilient Agriculture for sustainable development and doubling farmers income from 24-26 December, 2023.
- ❖ Dr. Umesh Chandra presented a research paper during National Seminar on 'Climate Resilient

Agriculture for Sustainable Development and Doubling Farmers Income' during 24-25 December, 2023 at ANDUAT, Kumarganj, Ayodhya.

- ❖ Dr. Umesh Chandra presented a research paper during AICRP & Vegetable Crop ISVS Golden Jubilee National Seminar on 'Technological Innovations on Vegetable Production under Changing Climatic Regime' during 24-25 February, 2024 at ANDUAT, Kumarganj, Ayodhya.

FOREIGN VISIT BY FACULTY

- ❖ Dr. A. K. Singh, Professor & Head, Department of Crop Physiology, presented paper in International Rice Congress, Manila, Phillipines, 16-19th October 2023.



Dr. A. K. Singh in International Rice Congress, Manila

- ❖ **Dr. Piyusha Singh** has attended International Training Program-2023 on “Wheat Pathology and Breeding to Accelerate Genetic Gains” training at CIMMYT HQ, El Battan Mexico (28 October to 15 December 2023). It was organized at CIMMYT's wheat experimental stations at El Batan, Agua Fria and Obregon.



Dr. Piyusha Singh receiving training certificate from CIMMYT

**AWARDS TO COLLEGE/FACULTY:**

- ❖ Dr. Vishal Mehta, Asst. Prof. (Agril. Statistics), received Young Scientist Award, in recognition of novelty, valuable contributions and achievements, during the three days International Conference on Decarbonizing Agriculture, 25th -27th November, 2023, held at TMA PAI, International Convention Centre, Mangalore, Karnataka by Green Agri Professional Society (GAPS), Dhanbad, Jharkhand.
- ❖ Dr R. K. Doharey received OUTSTANDING TEACHER AWARD-2023 recognition of outstanding work done in the field of Extension Education on 28-30, April, 2023 on the occasion of “6th Interconal Conference on “Strategies and Challenges in Agricultural and Life Sciences for Food Security and Sustainable Environment (SCALFE-2023)” held on 28-30, April, 2023 at Himachal Pradesh University, Summer Hill, Shimla, HP, India.
- ❖ Dr. Supriya from the Department of Agricultural Economics & Agri-Business Management received Best Teacher Award at university level for 2022-23 (ANDUAT).
- ❖ Dr. Supriya received Research Excellence Award 2023 by International Conference on Multidisciplinary Approaches in Engineering, Science, Agriculture and Social Studies 03-04 June 2023.
- ❖ Dr. Supriya received Best Oral Presentation Award for presenting paper entitled “Multilayer Farming: An Initiative to Boost Farmer Profits” in International Conference on Multidisciplinary Approaches in Engineering, Science, Agriculture and Social Studies 03-04 June 2023
- ❖ Dr. Supriya received Best Poster Presentation Award for presenting paper entitled “Governmental Measures Made to Increase Manufacturing” in International Conference on Multidisciplinary Approaches in Engineering, Science, Agriculture and Social Studies 03-04 June 2023.
- ❖ Dr. Alok Kumar Singh, Dr. A.K. Singh and Dr. R.K. Yadav: Best Poster Presentation Award: MCPP, 09-12-2023.
- ❖ Dr. Diwakar Singh, Associate Professor (Biochemistry), Fellow Award, Indian Society of Agricultural Biochemist, Kanpur, U.P., Dated: 24.11.2023.



Dr. Diwakar Singh, Associate Professor (Biochemistry) receiving Fellow Award

- ❖ Dr. Sameer Kumar Singh, Assistant Professor, Entomology became a Fellow of Entomological Society of India.
- ❖ Dr. Kamal Ravi Sharma, Assistant Professor, Entomology became a Fellow of Entomological Society of India.
- ❖ Dr. Sameer Kumar Singh, Assistant Professor, Entomology got Young Scientist Award (2023) from Society for Biotic and Environmental Research, Tripura.
- ❖ Dr. Mahendra Singh, Associate Professor, Soil Science received Best Oral presentation award during “International Conference on “Climate Change and Agriculture: Impacts, mitigation and adaptation for sustainable food security and livelihood improvement (ICCA-2024): ANDUAT, Kumarganj, Ayodhya: 1-2 March 2024.
- ❖ Dr. Neeraj Kumar, Professor, Soil Science conferred with Best Oral research paper presentation award during “National Conference on Agro-ecology based Agri-Food Transformation Systems”: ICAR-IIFSR, FSRDA, Modipuram, Meerut 27-28 Jan 2023.
- ❖ Dr. Robin Kumar, Assistant Professor, Soil Science received first position award in poster presentation in a National Seminar on Climate Resilient Agriculture for Sustainable Development and Doubling Farmer's Income.: ANDUAT, Kumarganj, Ayodhya: 24-25 December. 2023

PUBLICATIONS

Number of research articles	124
Number of books	08
Number of book chapters	08
Technical articles	10

**EXTENSION ACTIVITIES:****❖ ACTIVITIES AT THE ADOPTED VILLAGE**

Under progressive India programme, a village named Dobhiyara, District-Amethi was adopted by College of Agriculture during 2019-20. Farmers of this village were trained regularly throughout the year for making them self sufficient under His Excellency Governor's campaign:

Different programmes organized by the college in the adopted village during the Azadi ka Amrit Mahotsava i.e.

- Campaigning to attract the voter in the adopted village for voting.
- Distribution of planting material / plantation campaign was also successfully completed in this village.
- For Beekeeping, Mushroom /fish farming, decomposition of organic waste; live stock production and other Farming related activities.



World Environmental Day held on 05th June, 2023 at Dalims Public School Dobhiyara, Block, Baldirai, Distt/- Sultanpur (U.P) conducted by Deptt. of Agril.Meteorology under Gramin Krishi Mausam Sewa (GKMS) Project.

❖ KISAN GOSTHIS

- A Kisan Gosthi on “Farmers Awareness programme on Climate Change” was held on 04 December 2023 at village Mitaura, Milkipur, Bikapur, Distt. Ayodhya (U.P.). Total 97 farmers (Men 75 and Women 22) participated in the gosthi.
- Kisan Gosthi organised by GPB

RADIO TALK:

- Radio Talk on:- किसानवाणी -भेटवार्ता-कृषि विविधीकरण आज की आवश्यकता **Dr. Supriya** from the **Department of Agricultural Economics & Agri-Business Management**
- Radio Talk on:- किसानवाणी -भेटवार्ता-किसानों की आय बढ़ाने में मददगार एबी -स्टार्टअप (**Dr. Supriya**)
- Radio Talk on:- किसानवाणी -भेटवार्ता-कृषक महिलाओं के लिए योजनाएँ की सम्भावनाएँ (**Dr. Supriya**)
- Radio Talk on Krishak Mahilayein aapne vevshay avem ghar ka arthik prabhandhan kaise krein. 11-11-2023. Akashwani Kendra Ayodhya.(**Dr. Supriya**)
- Radio Talk on Krishkon ki aay badhane ke vibhinn vikalp on 24 May, 2024, Akashwani Kendra Ayodhya. (**Dr. Supriya**)
- Radio talk on “Natural Farming” at Parashar Bharti Ayodhya 01-08-2023 (**Dr. Robin Kumar**).
- Radio talk on “Organic Farming” at Parashar Bharti Ayodhya 14.03.2024 (**Dr. Robin Kumar**).
- Delivered a talk on “Role of Biofertilizer in Sustainable Agriculture and methods of application on 29.01.2024 during two days training programme organized by Department of Soil Science and Agricultural Chemistry, College of Agriculture, Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya. (**Dr. Mahendra Singh**)
- Delivered a talk on “Brief introduction of Biofertilizer and their Applications” on 12.02.2024 during two days training programme organized by Department of Soil Science and Agricultural Chemistry, College of Agriculture, Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya. (**Dr. Mahendra Singh**)
- Delivered a **radio talk** on “कृषि जगत-भेटवार्ता-वर्मीकम्पोस्ट उत्पादन तकनीक एवं फसलों के लिए उपयोगिता, dated 03.06.2024 at All India Radio, Prasar Bharti, Ayodhya for radio broadcasting. (**Dr. Mahendra Singh**)

S. No.	Program	Place	Date	Male	Female	Total
1	Forage Technology Demonstration cum Forage Oat Seed Distribution	Village- Dholi Askaran Block- Ayodhya	12.12.2023	14	06	20
2	Kisan Gosthi on Forage cultivation and its importance	Village- Dholi Askaran Block- Ayodhya	15.03.2024	08	02	10



- Delivered a lecture in 21 Days training programme on “Biofertilizer technology for sustainable Agriculture” on 12.01.2024 during 21 days training programme organized by Central Tasar Research and Training Institute Central Silk Board, Govt. India Ranchi, Jharkhand. (Dr. Mahendra Singh).
- Delivered a radio talk on “भूमि की दशा सुधारने के उपाय, dated 30.01.2024 at All India Radio, Prasar Bharti, Lucknow for radio broadcasting. (Dr. Anand Singh)

SOCIAL PROGRAMMES/ DAYS/EVENTS ORGANIZED:

Celebration of major Days/events:

- ❖ Swachhta Abhiyan' on the occasion of 'Mahatma Gandhi' Jayanti on 2nd October 2023-was organized by the College of Agriculture, A.N.D.U.A.&T, Ayodhya.
- ❖ Acharya Narendra Deva Ji' and 'Sardar Vallabh Bhai Patel' Jayanti on 31st October 2023 was organized by the College of Agriculture, A.N.D.U.A.&T, Ayodhya.



WEATHER BASED AGRICULTURE ADVISORY SERVICE

(13 PM) Regional Advisory

प्राथमिक कृषि मौसम सेवा
भारत मौसम विज्ञान विभाग
महाराष्ट्र कृषि एवं प्रौद्योगिकी विभाग
कुमार गंज, अयोध्या, उत्तर प्रदेश

मौसम आधारित कृषि परामर्श सेवाएं

दिनांक : 08-09-2023

अयोध्या, उत्तर प्रदेश : के मौसम का पूर्वानुमान - जारी करने का दिन : 2023-08-08 (अगले 5 दिनों के 8:30 IST तक वैध)

मौसम कारक	2023-08-09	2023-08-10	2023-08-11	2023-08-12	2023-08-13
वर्षा (मिमी)	26.0	21.0	8.0	7.0	6.0
अधिकतम तापमान(से.)	32.0	28.0	31.0	33.0	32.0
न्यूनतम तापमान(से.)	23.0	23.0	23.0	25.0	24.0
अधिकतम सापेक्षिक आर्द्रता (%)	91	92	91	82	86
न्यूनतम सापेक्षिक आर्द्रता (%)	57	83	73	64	69
हवा की गति (किमी प्रति घंटा)	12	8	11	13	16
पवन दिशा (डिग्री)	248	281	283	288	248
क्लाउड कवर (ओक्ट)	8	8	7	7	8

मौसम सारांश / चेतावनी:

भारत मौसम विज्ञान विभाग नई दिल्ली से प्राप्त मौसम आंकड़ों के अनुसार, आगामी सप्ताह में पूर्वी उत्तर प्रदेश में मध्य से घने बादल छाये रहने एवं हल्की से मध्यम वर्षा होने की संभावना है। अधिकतम तापमान 27-34 डिग्री सेल्सियस तक और न्यूनतम तापमान 23-26.5 डिग्री सेल्सियस तक रहने की संभावना है। अधिकतम व न्यूनतम सापेक्षिक आर्द्रता के 74-92% और 44-67% के आसपास रहने एवं सप्ताह में मुख्यतः पश्चिमी हवा के सामना गति से चलने की संभावना है।

सामान्य सलाहकार:

वर्षा पूर्वानुमान को ध्यान में रखते हुए सभी किसानों को सलाह है की खड़ी फसलों व सब्जी नर्सरी में जल निकास का उचित प्रबंध रखें।

समुद्र संदेश सलाहकार:

किसान भादृषों आय अपने पशुओं को संतुलित आहार दे इसमें 1-2 % अपत 1 से 2 किलोग्राम खनिज तत्व की मात्रा प्रति किग्रा की दर से दें।

फसल विधि सलाह:

- The daily recorded agrometeorological data from the Agromet observatory at AMFU–Faizabad, Ayodhya were regularly uploaded on the website of IMD Pune on the same day.
- During the FAP, Kisan mela and field visit, farmers were introduced to the “MEGHDOOT”, “MAUSAM” and “DAMINI” mobile apps and these apps were installed in the smart-phones of the farmers. The stakeholders were also sensitized through various social media platforms to install these apps.
- Apart from this, the agromet advisories and weather outlook have also been published in various daily leading newspapers and broadcasted by local electronic TV channels from time to time.
- Annual success probability (%) of Kumarganj ranged 70.1 (Cloud cover), 67.2 (Average Temperature), 58.2 (Maximum Temperature), 50.4 (Wind Direction), 38.0 (Average RH), 36.4 (Wind Speed), 35.9 (RH Maximum) and 20.0 (RHmin) respectively.
- Success probability & Usability (%) of cloud cover was (58.1) in kharif season.
- RMSE, Ratio score, POD, FAR, Threat score, HS Score & HK score for entire year of rainfall was 9.0, 80%, 50%, 70%, 10%, 10% & 10% respectively and that for Kharif rainfall was 16.2, 60%, 70%, 60%, 30%, 20% & 30% respectively.
- Five days district level weather forecasts were received on each Tuesday and Friday through e-mail from RMC Lucknow.
- SMS alert for extreme weather events has been sent through Kisan SMS portal to the farmer's mobile phones on daily basis.
- District level weather forecasts & agromet-advisories were sent to AIR, Faizabad.

**COLLEGE OF AGRICULTURE, AZAMGARH CAMPUS****Dr. D. K. Singh, Associate Dean**

The College of Agriculture in Kotwa, Azamgarh, stands as a testament to the expansion of Acharya Narendra Deva University of Agriculture & Technology in Kumarganj, Ayodhya, Uttar Pradesh. The college's inception dates back to the laying of its foundation stone on 04th March, 2014, symbolizing its commitment to agricultural education and research. The regular class in the college was commenced from the academic session of 2018-19, welcoming 105 students to the B.Sc. (Hons.) Agriculture degree program.

The college started the post-graduate programme in the year 2022-23 in two subjects- Agricultural Extension Education and Agricultural Economics.

Students strength in UG, PG and Ph.D. programmes

S. No.	Degree Programme	Students strength (2023-24)				
Undergraduate (UG)						
1.	B.Sc. (Hons.) Agriculture (Azamgarh Campus)	I Year	II Year	III Year	IV Year	Total
		74	63	44	46	227
2.	B.Sc. (Hons.) Agriculture (Gonda Campus)	36	-	-	-	36
Post-graduate (PG)						
3.	M.Sc. (Ag.) Extension Education	02				
4.	M.Sc. (Ag.) Agricultural Economics	00				

Teaching activities: ELP/RAWE programmes

The Rural Agricultural Work Experience and Agro-Industrial Attachment (RAWE&AIA) as key component of undergraduate programme for imparting rigorous orientation and familiarization of various issues and problems at the farmer's field and villages has been carried out with utmost sincerity.

Students Activities during the RAWE and AIA Program (22023-24)**Agro-Industrial visit of RAWE students****Sapling distributed by students during RAWE****Field Participatory Approach****Experiential Learning Program (ELP)**

There are four modules under experiential learning program running in the college to develop entrepreneurship in the undergraduate students. Any 2 ELP modules are compulsory to each student out of 4 ELP modules.

S.No.	ELP module code	ELP module Title	No of students
1	ELP -422	Seed Production and Technology	23
2	ELP-423	Mushroom Cultivation Technology	02
3	ELP-429	Food Processing	27
4	ELP-4211	Organic Production Technology	40



Mushroom Production

STRENGTHENING OF INFRASTRUCTURE:

- The college has acquired one instructional farm of 17.558 ha during this year which is under development phase.
- Each department of the college has one well equipped and organized undergraduate laboratory with AC facility.
- All lecture halls are Air-conditioned with digital interactive board and well-equipped with ICT-



Computer and IT Centre



Irrigating field after sowing in Seed Production

- connected facilities.
- Air-conditioned examination hall and Conference hall of capacity 50 facilitated by audio-visual aids with digital interactive board.
- Solar system installed with 100 KV capacity in our campus.
- The campus is blessed with a good rainwater harvesting system of up to 80%.



Multimedia Laboratory

RESEARCH :

RESEARCH PROJECTS:

S. No.	Name of PI	Project Title	Sponsoring agency	Status
1.	Dr. Anil Kumar Singh	Study on Socio-economic Livelihood of Farmers through PM Kisan Samman Nidhi in Eastern Uttar Pradesh	UPCAR, Lucknow	Ongoing
2.	Dr Vinit Pratap Singh	Deciphering variability and virulence of Rhizoctonia solani, rhizospheric microbiome effect and fungicidal sensitivity in rice-maize cropping sequences	Council of Science & Technology, U.P., Vigyan Bhawan, Lucknow	Submitted
3.	Dr Vinit Pratap Singh	Refinement in the mushroom cultivation technology and their dissemination for self-employment drive of rural youths and farm women living in Eastern Plane zone of Uttar Pradesh	Department of Biotechnology, Ministry of Science & Technology, Government of India, New Delhi	Submitted
4.	Dr Vinit Pratap Singh	Harnessing Drone Technology for women's Agriculture Livelihood"	Bill & Melinda Gates Foundation	Submitted

**PATENT:**

- Patent design registered dated on 20-12-2023; design No. 402558-001, design to “Aloe Vera Gel Extraction Machine” in the name of Mr. Kuldeep Kumar, Er. R. J. Singh, Dr. P. K. Mishra, Dr Vipul Chaudhari, Dr V.K Singh, Dr. Manish Kumar, **Dr.Sandeep Kumar Pandey**, Dr Paul Arjun Sanjay, Dr. Shivam, Mr. Shashank Verma, Mr Amir Ansari, Mr Subham Yadav, et al.
- Patent design registered dated on 11-03-2024, design No. 410101-001 design to “Tree Shaker Cum Fruit Harvester Machine” in the name of Mr. Amar Tiwari, Er R.J Singh, Dr. P. K. Mishra, Dr. Manish Kumar, Dr Paul Arjun Sanjay, Dr V.K Singh, Dr Vipul Chaudhari, Dr. Shivam, **Dr. Sandeep Kumar Pandey**, Mr. Shashank Mr Amir Ansari Mr Ashu Singh, et al.

NUMBER OF STUDENTS SUCCESSFUL IN EXAMS (JRF/SRF/NET OR OTHER EXAMS)

S. No.	Name of student	ID No	Name of Exam
1	Hritik	A-10902/19	ICAR-AIEEA
2	Kuldeep Singh	A-10906/19	UPCATET
3	Kapil Kumar	A-10903/19	CCS University, Meerut
4	Saurabh Tripathi	A-10931/19	CCS University, Meerut
5	Shailesh Yadav	A-10932/19	Dr Rammanohar Lohiya Avadh University, Ayodhya

STUDENTS' PLACEMENTS

S. No.	Name of student placed	ID No	Name of the employer
1	Sumit Kumar	A-10943/19	Netafim Irrigation India Private Limited

TRAINING PROGRAMMES/WORKSHOP/ CONFERENCES ORGANIZED:

Total number of training programmes/workshop/conferences organized by college during the period 2023-24 is 02.

S. No.	Name of the workshops/seminars	Duration
1.	One-day national workshop on Prospects and Challenges of Natural Farming for Indian Prosperity and Nutritional Security.	23.09.2023
2.	Three-day workshop on 'Career Counselling and Soft Skills Development	3.10.2023 to 5.10. 2023

AWARDS TO COLLEGE/FACULTY

S. No.	Name of teachers/ Scientists	Name of Award	Awarding agency	Date of award
1.	Dr Anil Kumar Singh	Global Faculty Award 2023	AKS Education, Dubai	04 th November, 2023
2.	Dr Vijay Laxmi Rai	University Best Teacher Award 2023	A N D U A & T, Kumarganj, Ayodhya (UP)	10 th October, 2023

EXTENSION ACTIVITIES

- Mandaliya Kharif Gosthi was organized at College of Agriculture dated on 3rd July 2023. This program was sponsored by District Administration, Azamgarh.
- College of Agriculture, Azamgarh organized Kisan Gosthi in village Muhammadullah, Azamgarh on 25.09.2023.
- College of Agriculture, Azamgarh organized one day seminar on Rural Agricultural Work Experience (RAWEX) for the students of Sri Durgaji Post-Graduate College, Chandeeswar, Azamgarh on 08.05.2023.

SOCIAL PROGRAMMES/ DAYS/ EVENTS ORGANIZED:

1. **Dr Bhimrao Ambedkar Jayanti:** On April 14, 2023, the college celebrated birth anniversary of Baba Saheb Dr B R Ambedkar, Main Architect of Indian Constitution. All staff and students paid floral tributes to Baba Saheb Dr Ambedkar and thereafter the Associate Dean Prof. D K Singh gave speeches praising the vision and leadership of Baba Saheb, the monumental role played by him in the making of Indian Constitution and his stellar contribution as the first Law Minister of India.
2. **World Environment Day:** College celebrated World Environment Day on June 5 with a meaningful Tree Plantation Drive. The event was a tremendous success, showcasing the institute's commitment to environmental sustainability and community engagement. Faculty members and students came together to plant trees on the campus grounds, reinforcing the importance of ecological balance and the role of individuals in preserving our planet.
3. **International Yoga Day:** International Yoga Day celebrated with enthusiasm on June 21. Yoga sessions were held from June, 17 to June



21 to raise awareness of the benefits of practicing yoga. Instead of yoga practice different entertaining events like frog race, jalebi race were also organised.

4. **Van Mahotsav:** On July 22, the college observed Van Mahotsav with the theme of Ped Lagao, Ped Bachao (Plant trees, Save trees). On this occasion, the college honoured the drive by planting 500 trees surrounding the college and the primary school in the village of Sahakuddanpur.
5. **Meri Maati Mera Desh Campaign:** The college celebrated the “Meri Maati Mera Desh” campaign, an idea to celebrate India's soil and valour, on the college campus as part of the Azadi Ka Amrit Mahotsav. As part of this unique movement, the college organised a variety of programmes. In the beginning, the dean, teaching and nonteaching staff, and students of the college took the “Panch Pran Pledge” on the campus. Amrit Kalash Yatras under the “Meri Mati Mera Desh” campaign was the final programme of the campaign on August 14th, 2023. The students also flew tricoloured kites to commemorate the occasion.
6. **Independence Day:** Independence Day was celebrated with great enthusiasm on 15th August 2023 on the College Campus with the staff and students to mark the 77th year of freedom from British rule. On this special occasion, the programme started with flag hoisting by the Dean, Prof. D.K. Singh followed by the National Anthem.
7. **Parthenium Awareness Week:** Parthenium Awareness Week was celebrated at the campus from August 16 to 22, 2023. A wide range of activities were conducted to spread maximum awareness among staff members, students, campus workers, and people in different villages. All the staffmembers of the college actively participated in the Parthenium eradication drive by removing the weeds present outside the college. To spread awareness in the surrounding villages on August 18, a programme was organized in Mohamadulla village in Azamgarh involving village people, farmers, and farm women, and mass awareness was done. Subsequently, an on-road rally was held to enlighten the public about Parthenium weeds. Students also participated enthusiastically in Parthenium Quiz took place on 22nd August. Dean lauded the organisers' efforts to manage this deadly plant across a greater area with public engagement.
8. **National Sports Day:** The College of Agriculture, Azamgarh, celebrated National Sports Day by organizing one-day sports events in the college on August 29, 2023. The theme for this year was “Sports are an enabler to an inclusive and fit society.” The event was highlighted by organizing sports activities such as volleyball matches, athletes, etc. The event concluded with the distribution of trophies and medals to the winners of various events.
9. **Hindi Diwas:** Hindi Diwas was celebrated with grandeur on September 14th, 2023, at the College of Agriculture to highlight the importance of Hindi and make people aware of its usefulness in daily life. As a part of the Hindi Diwas, the cultural committee organised various competitions like drawing, essays, writing, poetry, and elocution. Apart from the students of the college, students from the Mukram Singh Inter College and SKP schools also zealously participated in this contest, and winners of these events were awarded on this occasion. Addressing the gathering, Prof. D.K. Singh, Dean, enlightened the people with various insights into the scope, development, and popularity of Hindi, and he congratulated the winners of the students who participated in the various competitions.
10. **Swachh Bharat Abhiyan:** “Swachh Bharat Abhiyan” was conducted to disseminate the importance of a “Sampoorna Swachh Bharath, to reinforce the concept of sanitation as everyone's business. To prelude “Swachh Seva” activities, many students and faculty conducted cleanliness activities on 1st October 2023 between 7:00 am-10:30 am.
11. **NSS Camp:** The Seven-Day NSS Special Camp was held at Krishi Vigyan Kendra, Kotwa, Azamgarh, from October 30 to November 5, 2023. About 100 volunteers registered for this camp with full cooperation and zeal and participated enthusiastically in the camp.
12. **Constitution Day Celebration:** National Constitution Day was celebrated at the college on November 26, 2023, to commemorate the adoption of the Indian Constitution. The entire college reaffirmed its commitment to the Indian Constitution by taking the pledge. The whole college team paid floral tributes to Babasaheb Dr. B.R. Ambedkar.



13. **World Soil Day:** The college celebrated 'World Soil Day' on December 5, 2023, at the campus with the theme 'Soil and Water: A Source of Life'. As part of this programme, the college conducted an eloquent competition on this occasion.
14. **National Youth Day:** The College has celebrated National Youth Day on January, 12 on the occasion of Birth Anniversary of Swami Vivekanand.
15. **Ramlala Praan Pratishtha:** The college has celebrated the Maryada Purushottam Prabhu Ramlala Pratishtha Program on Januray, 22, 2024 with great enthusiasm. All staff and students gathered at college and decorated whole campus with diya and lighting. Live telecasting of Shree Ram Pratishtha Program at Ram Mandir, Ayodhya was shown to all staff,

their family members and students. Our college also organized various competitions like video recording and photography, painting, rangoli, room cleaning during January, 20 to January, 25.

16. **Sports Events:** Sports event was organized at the college campus from January, 23 to January, 25. Students from all classes and faculties were participated in Kabaddi and Volleyball team sport during the above mentioned event.
17. **Republic Day:** The ceremony commenced with the unfurling of the National Flag by the Associate Dean Prof. D. K. Singh. He addressed the gathering and highlighted the achievements of the college. He underscored the steps the college has taken to ensure an overall development of its students and took pride in mentioning that the college is well ahead of the academic standards.



Organic Production Technology



Workshop on Natural Farming



Celebration of Dr. Bhimrao Ambedkar Jayanti



Hindi Diwas



Awareness rally for Parthenium



Volleyball competition on National Sports Day



Flag hosting on Independence Day



Meri Maati Mera Desh Campaign



Rangoli Competition During Prabhu Ram Praan Pratishtha Program



VISIT AND REVIEW MEETING BY HON'BLE GOVERNOR:

The Hon'ble Chancellor and Governor of UP State, Smt. Anandiben Patel, visited the College of Agriculture, Kotwa, Azamgarh, on June 23. During her visit, the Excellency reviewed various activities carried out by the Maharaja Sohail Dev State University (MSDSU), Azamgarh, and also reviewed different central and state sponsored public welfare-related schemes that were adopted in the district. Earlier, the Vice-chancellors of ANDUA&T, Kumarganj, and MSDSU, Azamgarh, along with the

Dean of the College of Agriculture, Kotwa, Azamgarh, welcomed the Excellency by offering a bouquet of flowers. Thereafter, the Chancellor has been called for plantation on the college premises. The Governor also visited various stalls related to natural farming and farming systems prepared by the college students, queen compost (vermicompost), millet-based value added products, pickles and jams, an egg incubator, and other stalls from the KVK, Kotwa. On behalf of the college, a bunch of products made by the college, including different millet-based biscuits, jams, and pickles, were offered to the governor.



Hon'ble Governor visit at College Campus



Plantation by Hon'ble Governor at College campus



COLLEGE OF HORTICULTURE & FORESTRY

Dr. Sanjay Pathak, Dean

College of Horticulture and Forestry (CHF) established in 2006 has presently six departments namely (i) Fruit Science (ii) Floriculture and Landscaping (iii) Post-harvest Management (iv) Vegetable Science (v) Medicinal and Aromatic Plants (vi) Silviculture and Agroforestry.

DEGREE PROGRAMMES:

S.N.	Name of degree programme	Discipline
1.	B.Sc. (Hons.) Horticulture (V th Deans Committee)	Horticulture
2.	M.Sc. & Ph. D. (Horticulture) Fruit Science (19 th BSMA)	Fruit Science
3.	M.Sc. & Ph. D. (Horticulture) Vegetables Science (19 th BSMA)	Vegetable Science
4.	M.Sc. & Ph.D. (Forestry) Silviculture & Agroforestry (19 th BSMA) and Ph.D. Agroforestry (18 th BSMA)	Agroforestry
5.	M.Sc. (Horticulture) Floriculture & Landscaping (19 th BSMA)	Floriculture & Landscaping
6.	M.Sc. (Horticulture) Post Harvest Management (19 th BSMA)	Post-Harvest Technology

STUDENTS' STRENGTH IN UG, PG AND Ph.D. PROGRAMMES :

Undergraduate	Post-graduate	Ph.D.
275	117	49

TEACHING ACTIVITIES:

- A. **Course Offered:** Total 181 courses were offered in different degree programmes in Ist & IInd semester, session 2023-24.
- B. **Experiential Learning Programme (ELP):** In the session 2023-2024, thirty-eight students of B.Sc. (Hons.) Horticulture IVth year were selected for two areas of specialized training namely processing of fruits and vegetables for

value addition and commercial horticulture under ELP. Under processing of fruits and vegetables, students went to learn practical processing technology of various seasonal fruits and vegetables regarding their processing of various products like jam, jelly, murabba, candies, pickles, squash, syrup and RTS for marketing and demonstration purposes. Under commercial horticulture, students raised the nursery of fruits, vegetables and flowers and marketed them. At the end of semester, students submitted work report and their performance were evaluated by a committee constituted by the Dean, college of Horticulture and Forestry.

- C. **Rural Horticulture Work Experience (RHWE):** RHWE programme was organized for B.Sc. (Hons.) Horticulture final year students. 38 students were registered for programme in the nearby 10 Villages of Ayodhya and Sultanpur districts. In this programme, students thoroughly studied about present status along with social, cultural and farming related activities of farmer as well as village.

In another course RHWE-421 (Student Ready-Placement in Industries) BSc. (Hons.), 38 final year students went for learning processing units at Central Institute for Medicinal and Aromatic Plants and also they visited Lulu Mall Industries Lucknow for different varieties of fruits and vegetables, grading, packaging, and different value added products of Vegetable and Fruits under this programme.

STRENGTHENING OF INFRASTRUCTURE

- ✓ The PG and Ph.D. classrooms of the Department of Vegetable and Fruit Science have been upgraded to smart classrooms with the installation of interactive panels for effective teaching. Additionally, full Wi-Fi facilities have been installed in the department to provide students access to research articles and manuals.
- ✓ The Department of Vegetable Science has also launched the Kitchen Garden Seed Kit "Narendra Sabji Beej" for stakeholders across the country.



RESEARCH ACHIEVEMENTS:

PATENT:

Dr. Shayma Parveen, Dr. C.S. Dhanai, Mr. Deepanshu, Dr. Atul Yadav, Mr. Sandeep Yadav- AI based Plant Identification Device- Cbr Number-206164.

TECHNOLOGY DEVELOPED:

- ✓ Intercropping of coriander with garlic is an excellent way to increase productivity (44.2 over 14.8 q/ha) and profitability, with the highest benefit-to-cost (B:C) ratio (2.86 over 1.8) from the coriander sole cropped area.
- ✓ Foliar spray of zinc sulphate and iron sulphate, each @ 4g/l with RDF at 60, 75 and 90 days after sowing in fennel is recommended for higher yield of 14.7% over untreated and net returns with high BC ratio of 20.8% over untreated plot
- ✓ Three sprays of Hexaconazole 5 EC @ 0.005% + First foliar spray of Emamectin benzoate-5% SG @ 4.0g/10 lit and second spray of Azadirachtin 3000 ppm @ 3 ml/lit is effective for the management of stem gall, powdery mildew and aphid
- ✓ Technology developed for the management of foliar (*Alternaria* leaf spot) and soil borne diseases (*Macrophomina phaseolina*) of sweet basil by collaborative centers (ANDUAT, Ayodhya, BAU, Islampur, JNKVV, Jabalpur, RPCAU Pusa) was approved for recommendation. Soil treatment with FYM @ 10t/ha enriched with talc-based formulations of *Trichoderma harzianum* along with the *Pseudomonas fluorescence* @ 2% each at the time of planting. First Foliar application *Pseudomonas fluorescence* @ 2% at the onset of disease followed by two spray of neem oil @ 0.3% at 15 days interval reduced the disease incidence.



- ✓ Developed Integrated Disease Management modules against major diseases (Downy mildew and Bacterial blight/root rot) of opium poppy by collaborative center MPUAT, Udaipur, RVSKVV, COH Mandasaur, NDUAT, Ayodhya was approved for recommendation. Furrow soil application of FYM (500 g/m²) enriched with *T. harzianum* + *Pseudomonas fluorescence* @ 2 % 4-5 days prior to sowing + seed treatment with Streptocycline sulphate @ 0.03% (300 ppm) and metalaxyl @ 2.5 g/kg followed by on appearance of disease symptom spray of *T. harzianum* + *Pseudomonas fluorescence* @ 0.5 % then second and third spray with Streptocycline sulphate @ 0.03% (300 ppm) and metalaxyl @ 0.25% at 15 days interval found effective in management of downy mildew and collar rot with minimum incidence of 16.42% and 8.88%. This treatment also yielded higher flesh latex yield (27.8 kg/ha), seed yield (848.45 kg/ha) and capsule husk yield with higher morphine content (11.67%) and highest B:C ratio (1:8.68).
- ✓ Technology developed for the management of foliar diseases (*Alternaria* and *Colletotrichum* leaf spot) and soft rot of Alovera approved for recommendation. Soil application of FYM (1.0 kg/m²) enriched with *Trichoderma harzianum* along with the *Pseudomonas fluorescence* talc-based formulations each @ 2% at the time of planting and onset of disease symptoms three spray of *P. fluorescence* @ 2% pf talc-based formulation and neem oil @ 0.3% reduced disease leaf spot incidence by 76 per cent and soft rot by 43 per cent. It also increased yield to 23 per cent and cost benefit ratio was obtained 5.5.

✓ **Research Project Submitted:**

Sr. No.	Title of Project	Principal Investigator	Period	Funding Agency	Amount (Rs. in Lakhs)
1.	Strengthening of Fruit Science Farm for the Development of Modern High -Density Fruit Orchards	Dr. Niranjan Singh	Three Years	RKVY	476.89
2.	Understanding molecular and biochemical pathways to mitigate fruit dropping and cracking in Bael	Dr. Jagveer Singh	Three Years	UPCAR	39.99
3.	Virus-Free Potato Tuber Seed Production, Piloting Demand Driven Varieties and Conceptualizing 2x Breeding Path	Dr. Ashish Kumar Singh	Two Years	UPCAR	35.07
4.	Establishment of protected structures for strengthens of research and development in vegetable crops to improve the livelihood and income security of farmers in Ayodhya region	Dr. Aastik Jha	Two Years	RKVY	655.90

Number of Projects Running (10)

All India Coordinated Research Projects	06
State Non Plan	02
MIDH	01
DST-SERB	01
New Project Sanctioned (5)	
Adhoc Research Project under RKVY	04
APMC	01

**National level ICAR Plan (75% funded by ICAR):**

1. All India coordinated research project on medicinal, aromatic plants and beetle vine.
2. All India coordinated research project on arid zone fruits
3. All India coordinated research project on agroforestry
4. All India coordinated research project on potato
5. All India coordinated research project on spices
6. All India coordinated research project on vegetable crops

State : Non plan (100% funded by UP State Govt.) :

1. Production and processing of fruits in usar wasteland scheme.
2. Vegetable research.

MIDH

1. MIDH (Mission for Integrated Development of Horticulture) 100% funded by Central Government

National level project funded by DST-SERB

1. Assessment of determinants of bird assemblages across rural urban gradient in & around selected cities of Uttar Pradesh

APMC

1. Establishment of tissue culture laboratory for mass multiplication of quality planting material of banana for increasing the income of farmers

PUBLICATIONS:

Number of research articles	54
Number of books	26
Bulletin/ Leaflet	07

NUMBER OF STUDENTS SUCCESSFUL IN EXAMS (JRF/SRF/NET OR OTHER EXAMS)

S.N.	Exam	Students Qualified
1.	ICAR-JRF	08
2.	ICAR-SRF	03
3.	ASRB-NET	12
4.	Other exam	18

STUDENTS' PLACEMENTS: Total seventeen students have been placed in various public and private organizations during 2023-24.

TRAINING PROGRAMMES/WORKSHOPS/CONFERENCES ORGANIZED:

S. No.	Training/Workshop/conference organized	Funding agency	Duration	Year
1	National workshop on Plant Tissue culture and Molecular marker Technology in Fruit Crops	ICAR-NAHEP-IG, ANDUAT, Kumarganj Ayodhya	2-4 November	2023
2.	National Workshop on Quality Planting Material Production of Horticultural Crops	Department of Fruit Science, College of Horticulture and Forestry, ANDUAT, Ayodhya	27-28 December	2023
3.	Agriculture Education Awareness Programme and NSS Activities for Tharu Tribe students at Imliakodar and Vishnupur, Balrampur to promote participation in agriculture education and social development	ICAR-NAHEP-IG, ANDUAT, Kumarganj Ayodhya	25 November	2023
4.	International Conference on "Climate change and Agriculture: Impacts, mitigation and adoption for sustainable food security and livelihood improvement (ICCA-2024)	DST & NABARD	1-2nd March	2024
5.	National Awareness Seminar on "Prospects & Role of Intellectual Property Rights in Forestry & Agricultural Science"	UPCST	20 March	2024



S. No.	Training/Workshop/conference organized	Funding agency	Duration	Year
6.	31 st Annual Group Meeting of AICRP on Medicinal and Aromatic plants & Beetlevine	ICAR	7-9 February	2024
7.	QRT of AICRP On medicinal, aromatic plants and betelvine	ICAR	7-9 February	2024
8.	42 nd Annual Group Meet of AICRP on Vegetable Crops	ICAR	22-24 February	2024
9.	ISVS Golden Jubilee National Seminar on Technical Innovations in Vegetable Production under Changing Climate Regime	ICAR	24-26 February	2024
10.	Two days district level seminar on Aromatic and seed spices cultivation for livelihood security and sustainable development under MIDH project	GOI	22-23 March	2024

AWARDS TO COLLEGE/FACULTY

S. No.	Name of teachers/scientists	Name of Award	Awarding agency	Date of award
1.	Dr. S.K. Verma	Best Teacher Award	Pragati International Scientific Research Foundation, Meerut, U.P., India	18.10.2023
2.	Dr Niranjan Singh	Second Prize in poster paper presentation	National Seminar-cum-Alumni Meet on <i>Climate Resilient Agriculture for Sustainable Development and Doubling Farmer's Income</i>	24-25 December 2023, at ANDUAT, Kumarganj Ayodhya
3.	Dr. C. N. Ram	Lifetime Achievement Award	International conference on “Protected cultivation of horticultural crops post-harvest handling and digital agriculture” organized by SHUATS, Prayagraj	25-30 November, 2023.
4.	Dr. Bhanu Pratap	Appreciation for lead speaker	Rama University, Kanpur.	8-9/12/2023
5.	Dr Atul Yadav	Young Scientist Award	Society For Agriculture Innovation and Development, Ranchi	5/11/2023

EXTENSION ACTIVITIES

I. Radio Talk

S. No.	Name of Scientist	Topic	Date	Channel
1.	Dr S. K. Verma	Kharif Sabjion Mein SamayikPrabandhan	13.07.2023	Akashvani, Lucknow
2.	Dr. H. K. Singh	Rabi ki pramukh faslon me legne wale rog, karan avom nidan	24.01.2023	Akashvani Ayodhya
3.	Dr. H. K. Singh	Ber avom Bael ki unnat kishme avom unko lagane ki vidhi	05/06/2023.	Akashvani Ayodhya
4.	Dr. Anjali Tiwari	Atirikt aay hetetu vriksho ke saath Phasalon ke kheti	14/07/2023	Akashvani Ayodhya
5.	Dr. R.S. Mishra	Awshadiy paudh ki sam samaik dekh bhal	12/09/2023	Akashvani Ayodhya



S.No.	Name of Scientist	Topic	Date	Channel
6.	Dr. R.S. Mishra	Awshadiy paudh ki sam samaik dekh bhal	04/03/2024	Akashvani Ayodhya
7.	Dr. Sanjeev Pathak	फल वृक्षों में समसामायिक कार्य	13/03/2024	Akashvani Ayodhya
8.	Dr. Atul Yadav	किसान वाणी – भेंटवार्ता – नये फल वृक्षों की रोपण कैसे करें?	21st Jun 2023	Akashvani, Ayodhya
9.	Dr. Atul Yadav	किसान वाणी – भेंटवार्ता – आंवला से गुणवत्तायुक्त उत्पाद हेतु प्रबन्धन	14th Dec 2023	Akashvani, Ayodhya
10.	Dr. Atul Yadav	KRISHI DARSAN - स्ट्रॉबेरी की वैज्ञानिक खेती	29th Jan 2024	Doordharsan Kendra Lucknow

ii. Farmers' training organized:

- ✓ Awareness programme on Medicinal and Aromatic plants among SC farmers at Chhetari village District – Amethi dated 4 October, 2023
- ✓ Awareness programme on Medicinal and Aromatic plants among ST farmers at village -Vishnu pur, Panchperwa District – Balrampur dated 5 March, 2024
- ✓ Training on Medicinal and Aromatic plants for SC farmers at village – Malpur, Saini, District – Sultanpur dated 22 June, 2024.

iii. Bulletin/ Leaflet

S. No.	Title of Bulletin/leaflet
1.	Hemant Kumar Singh., Bhanu Pratap, Sanjay Pathak and Nand Lal Sharma (2024). Compendium of the varieties developed by All India Coordinated Research Project on Arid Zone Fruits, Department of Fruit Science, College of Horticulture and Forestry, ANDUAT, Kumarganj, Ayodhya. Page 1-12.
2.	हेमन्त कुमार सिंह, भानु प्रताप, संजय पाठक, नन्द लाल शर्मा (2024). शुष्क फलों की खेती वावसाइक खेती एवं महत्व। फल विज्ञान विभाग, उद्यान एवं वानिकी महाविद्यालय, आचार्य नरेंद्र देव कृषि एवं प्रौद्योगिकी विश्वविद्यालय, कुमारगंज, अयोध्या। पृष्ठ संख्या 1-48.
3.	हेमन्त कुमार सिंह, संजय पाठक, भानु प्रताप, अतुल यादव, नन्द लाल शर्मा एवं जीतेन्द्र कुमार (2024). आँवला की वैज्ञानिक खेती एवं महत्व। फल विज्ञान विभाग, उद्यान एवं वानिकी महाविद्यालय, आचार्य नरेंद्र देव कृषि एवं प्रौद्योगिकी विश्वविद्यालय, कुमारगंज, अयोध्या। पृष्ठ संख्या 1-4.
4.	हेमन्त कुमार सिंह, संजय पाठक, भानु प्रताप, जगवीर सिंह एवं नन्द लाल शर्मा (2024). बेल की वैज्ञानिक खेती एवं महत्व। फल विज्ञान विभाग, उद्यान एवं वानिकी महाविद्यालय, आचार्य नरेंद्र देव कृषि एवं प्रौद्योगिकी विश्वविद्यालय, कुमारगंज, अयोध्या। पृष्ठ संख्या 1-4.
5.	हेमन्त कुमार सिंह, संजय पाठक, भानु प्रताप, एस के वर्मा एवं नन्द लाल शर्मा (2024). बेर की वैज्ञानिक खेती एवं महत्व। फल विज्ञान विभाग, उद्यान एवं वानिकी महाविद्यालय, आचार्य नरेंद्र देव कृषि एवं प्रौद्योगिकी विश्वविद्यालय, कुमारगंज, अयोध्या। पृष्ठ संख्या 1-4.
6.	हेमन्त कुमार सिंह, संजय पाठक, भानु प्रताप, कुलदीप पांडे एवं नन्द लाल शर्मा (2024). जामुन की वैज्ञानिक खेती एवं महत्व। फल विज्ञान विभाग, उद्यान एवं वानिकी महाविद्यालय, आचार्य नरेंद्र देव कृषि एवं प्रौद्योगिकी विश्वविद्यालय, कुमारगंज, अयोध्या। पृष्ठ संख्या 1-4.
7.	राम प्रीत सिंह, तुम्ह्याज मेहता, शुभम मौर्य एवं हितेश कुमार वानस्पतिक उत्पाद एवं उनका कीट नियंत्रण में महत्व August, 2023 कृषि भारती 104, ISSN-2582-5976

SOCIAL PROGRAMMES/DAYS/EVENTS ORGANIZED.

Afforestation Programme (Plantation drive): 1, 14,000 (One lakh fourteen thousand) seedlings of different tree species were planted through the department against the given target by State

Government in 2023-24.

- ✓ Dr Niranjan Singh organized as NSS Programme Officer of Special Camp of NSS volunteers for Seven Days at Village Pithla (Ward-06), Kumarganj Ayodhya w.e.f. 11-17 March 2024.



COLLEGE OF VETERINARY SCIENCE & ANIMAL HUSBANDRY

Dr. P.S. Pramanik, Dean

The College of Veterinary Science & Animal Husbandry, since its establishment on 26th March 1999, is tirelessly working for the better livelihood of the farmers of the Eastern Uttar Pradesh by providing its technical expertise for the genetic improvement of livestock and poultry, better animal health and extension services.

College follows the minimum standards set by Veterinary Council of India for B.V.Sc. & A. H. education, as it is mandatory for a Veterinary College to maintain equality and standard of curriculum across India. The departmental setup of college comprises of seventeen departments including one instructional livestock farm complex (dairy farm) and one veterinary clinical complex (Veterinary polyclinic). A total of **16 Professors, 01 Associate Professors and 31 Assistant Professors** comprise the core faculty of the college. These well learned and up-to-date faculties shape the budding veterinarians of the college by providing best quality teaching and counseling. The academics of college are also supported by 90 non-teaching employees.

STUDENTS PROFILE

Students enrolled during 2023-2024

BVSc First Year	BVSc Second Year	BVSc Third Year	BVSc Fourth Year	BVSc Fifth Year	MVSc	PhD
76	63	79	51	49	55	21

UNITS MAINTAINED AT DEPARTMENT OF LIVESTOCK FARM COMPLEX

S. No.	Species	Breed	Number
1.	Buffalo	Murrah	54
2.	Cattle	Sahiwal, Tharparkar & H.F. Cross	193
3.	Goat & Sheep	Barbari, Sirohi & Muzzafarnagari	119
5.	Pig	Large White Yorkshire	32
6.	Poultry	RIR & Kadaknath	1195

RECEIPT GENERATED

Total receipt generated Rs. 24,49,169.00 (Rupees Twenty-Four Lacs Forty-Nine Thousand One Hundred Sixty-Nine Only) by Livestock Farm

Complex Department through sale of various items like Milk Coupon, Livestock and FYM etc.

TEACHING ACTIVITIES:

Value Added Courses of the College

S. No.	Course Code	Course Title	Department Involved in teaching
1	VAC 01	Fundamental of food and feed analysis	Animal Nutrition
2	VAC 02	Quality assurance of milk and milk products	Veterinary Public Health & Epidemiology
3	VAC 03	Goat Farming	Livestock Farm Complex
4	VAC 04	Biomaterial of fish origin	Veterinary Surgery and Radiology
5	VAC 05	Management of Parasitic disease	Veterinary Parasitology
6	VAC 06	Fundamental of blood physiology & basic laboratory techniques	Veterinary Physiology & Biochemistry
7	VAC 07	Biosafety in microbiology laboratory	Veterinary Microbiology
8	VAC 08	Broiler poultry farming	Livestock Production Management
9	VAC 09	Basic concepts of applied toxicology	Veterinary Pharmacology & Toxicology

Teaching Veterinary Clinical Complex (TVCC): Clinical Cases and Revenue generated

During last one year, **treatment of 7081 animals** brought by farmers from different district of central and eastern UP, were performed at Veterinary Clinical Complex. Total revenue was generated of **Rs. 450390.00 only (Rs. Four Lakh Fifty Thousand Three Hundred Ninety only)** through consultation fee charged during last one year.

**Number of Animals Treated at Different Units of Veterinary Clinical Complex**

Gynaecology	Medicine	Surgery	Sample Testing	Total
1287	2794	2293	707	7081

Revenue generated (INR) by Different Units of Veterinary Clinical Complex

Gynaecology	Medicine	Surgery	Sample Testing	Total
29360	134840	197770	88420	450390

RESEARCH PROJECTS (Ongoing):

Name of project	Name of PI /Co-PI	Funding agency	Budget (Rs in lakh)
Detection of status of acaricide resistance, their mitigation with ethno-botanicals and managerial practices for control of ticks and ticks borne diseases in eastern Uttar Pradesh	Dr. Amit Singh (PI) Dr. V.K. Pal (Co-PI)	UPCAR	23.66

PATENTS

Inventions, innovations, patents etc.: published in the official journal of the patent office issue no. 48/2019 of dated 29/11/2019 and presently are under review.

Title	Application no.
Development of protocols for decellularization of dermis and diaphragm of animals and fish	201811019495
Development of protocols for decellularization of periosteum and SIS	201811019496
Acellularization of omasum, abomasums, urinary bladder and gall bladder of ruminants using soapnut sp.	201811019497

EXTENSION ACTIVITIES**Participation in Kisan Mela**

College of Veterinary Science & Animal Husbandry stall got **first position in kisan mela** organized by the University.

**College stall in Kisan Mela****HEALTH AND INFERTILITY CAMP**

Name of the program and the place	Name of Faculty	Date	No. of Participants
Pandit DeenDayal Upadhyay Mandaliya Virat Pashu Arogya Shivir/Mela, organized by State Animal Husbandry Department at Haraiya, Basti	Naveen Kumar Singh	12.01.2024	>1000
Pandit DeenDayal Upadhyay BrihadPashu Arogya Shivir/Mela, organized by State Animal Husbandry Department at Manjanpur, Vikas Khand Mavai, Rudauli, Ayodhya	Sonu Jaiswal S. V. Singh	03.02.2024	>2000
Clinical camp organized at Ayodhya	S.V. Singh Alok Singh	28 th September 2023 (World rabies day).	100
Health and infertility camp	S.V. Singh Saurabh Verma	4.10.2023	46

**Radio/TV talks delivered:**

- 1 Dr Sonu Jaiswal delivered a Radio talk on “Pashuo ki Pramukh Bimariya evam Bachav Ke Upay” on AIR, Ayodhya on 20.07.2023.
- 2 Dr Sonu Jaiswal delivered a Radio talk on “Thandke Mausam Me PashuokiDekh-Bhal” on AIR, Ayodhya on 23.11.2023.
- 3 Dr Sonu Jaiswal delivered a Radio talk on “Pasu Chikitsa me Desi Aushadio Ka Upyog” on AIR, Ayodhya on 09.5.2024.
- 4 Dr Rajesh Verma delivered a TV Talk on 07.01.2024.
- 5 Dr S. V. Singh delivered a Radio talk on “Garmi mein pashon ki dekhbhal” on 23.5.2024.
- 6 Dr S. V. Singh delivered a Radio talk on “Jaade ke mausam mein pashon ke swasth sambandhit samasyaein karan aur niwaran” on 28.12.2023.
- 7 Dr S. S. Chauhan delivered a Radio Talk on the topic “Murgio me hone wali pramukh bimariya, karan, Laxan avam bachav” at Prasar Bharati, All India Radio, Ayodhya on 19.10.2023.
- 8 Dr S. S. Chauhan delivered a Radio Talk on the topic “Kukut Palan me Dhayan dene yogya bate” at Prasar Bharati, All India Radio, Ayodhya on 4.4.2024.
- 9 Dr. K.D. Singh has delivered a Radio Talk on 15.06.2023 at Akashvani Ayodhya for Kishanvani- Bhetwarta on topic “Grisham Ritu Me Kukkut Palan Prabandhan”.
- 10 Dr. K.D. Singh has delivered a Radio Talk on 13.06.2024 at Akashvani Ayodhya for Kishanvani- Bhetwarta on topic “Garmi Ke Mausam Me Kukkut Palan Me Aane Wali Samasiyen Evam Samadhan”.
- 11 Dr. K.D. Singh delivered a Radio Talk on 06.02.2024 at Akashvani Ayodhya for Kishanvani- Bhetwarta on topic “Kukkut Palan Ek Labhkari Byasawaya”.
- 12 Dr. A.K.Verma delivered a lecture on topic “Swine Farming- A profitable Business” on 27.02.2024 at Akashvani Ayodhya.
- 13 Dr. A. K. Srivastav has delivered a Radio Talk on 9.02.2024 at Akashvani Ayodhya for Kishanvani- Bhetwarta on topic “Pasuo me Baccha Dene ke Dawran Dhyan Dene Yogya Baate”.
- 14 Dr S. K. Maurya has delivered a Radio Talk at Akashvani Ayodhya on 15.08.2023.
- 15 Dr S. K. Maurya has delivered a Radio Talk at

Akashvani Ayodhya on 04.03.2024.

- 16 Dr. Hukum Chand has delivered Radio Talk on topic “Dudharu Pasuo Ki Uchit Dekh Bhal” on 12.03.2023, at Akashvani Ayodhya.
- 17 Dr. Amit Singh delivered Radio Talk on topic “pashuon me hone wale krimi janit rog evum unka nidan” 02.11.2024, at Akashvani Ayodhya.

TRAINING PROGRAMME ORGANIZED:

- Two days training programme was conducted by Department of Veterinary Parasitology for Livestock Extensions Officers from 27th to 28th October 2023 on, “Management of parasitic diseases in animals of Eastern Uttar Pradesh”. Ten Livestock Extensions Officers from Ayodhya, Barabanki, Amethi, Sultanpur and Ambedkarnagar participated in the programme.

**Livestock Extension Officers in training programme**

- **MAITRI Training**

Department of Veterinary Gynaecology & Obstetrics organized 3 MAITRI (Multipurpose Artificial Insemination Technicians in Rural India) trainings in the financial year 2023-24 in which a total of 101 trainees from different districts of Uttar Pradesh were trained. The training was organized by the department in collaboration with Uttar Pradesh Livestock Development Board under National Programme for Bovine Breeding component of scheme National Programme for Bovine Breeding and Dairy Development (NPBBDD). The objective of the training was to generate self-employment among rural educated youth by providing doorstep Artificial Insemination (AI) facility to farmers with sorted as well as conventional semen, primary aid to animals, vaccination of livestock and digital feeding of records. This training will also help in doubling the farmers income.



Participants in MAITRI training

WORKSHOP/CONFERENCE ORGANIZED

International workshop

A two days International workshop was organized on “**Advances in Nanotechnology and its application in animal health**” from 15/12/2023 to 16/12/2023 by the Department of Veterinary Microbiology. Total 95 students including PhD, PG and final year UG students of Veterinary College & Animal Husbandry, Kumarganj & Veterinary college, Bhairahawa, Nepal participated in this workshop. Inaugural session of workshop was presided by Hon'ble Vice Chancellor of the University as Chief Guest and a book with ISBN was also released in his august presence.



- Two days International workshop was organized on 7-8th December 2023 on “Transition period management in animals”. Students and teachers from Nepal also participated in the event.



International Workshop on “Transition period Management in Animals”

First inter university clinical case conference

First inter university clinical case conference was organized on 15th and 16th March 2024 at ANDUAT Ayodhya in collaboration with Society of Veterinary Internal and Preventive medicine. The conference was attended by 104 students and 22 faculty members including 06 from other university representing 11 veterinary colleges covering 07 states.

FACULTY PARTICIPATION IN NATIONAL AND INTERNATIONAL CONFERENCE

- Dr D Niyogi, Dr S V Singh, Dr Vibha Yadav and Dr Naveen Kumar Singh participated in International conference on “Role of Public Health.....One Health Approach” held at Kathmandu, Nepal from September, 29-30, 2023.
- Dr Rajesh Kumar, Dr Vibha Yadav, Dr Pramod Kumar, Dr Abhisekh Kumar and Dr Kabir Alam participated in Xth Annual Convention of SVSBT and National symposium on “Recent Biotechnological Advances in Health and Management of Livestock, poultry & companion animals” organized by College of Veterinary Science and Animal Husbandry, NDVSU, MHOW, Indore (M.P.) during 05-07 October, 2023.

STUDENTS' WELFARE

Blended Learning Platform (BLP)

Workshop on NARES-Blended Learning Platform (BLP) was organized on 12-13th October, 2023. Participants: 300 students



- Exposure visit of the students**

Exposure visit of Lion Safari Etawah, Mathura, CIRG, Makhdoom for BVSc & AH internship students from 25th to 29th December.



Lion Safari Etawah



CIRG, Makhdoom



DUVASU, Mathura

- Oath Taking Ceremony**

Oath Taking Ceremony was organized after completion of B. V. Sc. & A.H. degree on 4th January 2024.



Internship Programme of other state students

Internship programme of final year B. V. Sc. & A. H students of C.V.Sc., Rewa (MP) was held at TVCC, College of Veterinary Science & Animal Husbandry, Kumarganj.

IMPORTANT DAYS CELEBRATED

World Egg day

On the occasion of World Egg Day, College of Veterinary Science and Animal Husbandry, Kumarganj, Ayodhya organized egg painting competition on 13th October, 2023.



Dhanvantri diwas

College of Veterinary Science and Animal Husbandry, Kumarganj, Ayodhya celebrated Dhanwantari diwas on 10th November, 2023.



World Zoonoses Day

Department of Veterinary Public Health and Epidemiology, College of Veterinary Science and Animal Husbandry of A.N.D. University of Agriculture and Technology, Kumarganj, Ayodhya



Awareness Campaign at ND DAV Public School, Kumarganj

(UP) organized awareness programme to commemorate the **World Zoonoses Day**.

World Rabies Day

World Rabies Day was organized on 28th September 2023 at Sant Tulsidas Inter College, Purab Gaon, Paradhankua, Milkipur by organizing awareness campaign to raise the awareness about the disease and its post bite management. Around 75 students participated in the programme.



Awareness Campaign at Sant Tulsidas Inter College Vaccination Awareness Programme

College of Veterinary Science & Animal Husbandry organized awareness campaign on vaccination programme in livestock with collaboration of Animal Husbandry department of state government in different nearby villages of ANDUAT (Bawa, Akma & Jorium) from 21.09.2023 to 30.09.2023.

Foot and Mouth Disease Awareness week

The Collaborative center of FMD, Kumarganj Ayodhya organized various activities to commemorate Foot and Mouth Disease Awareness week from 11th September to 20th September 2023 viz. Awareness campaign for farmers, Quiz and e poster competition for the students and radio talk.



Awareness campaign for farmers at Village Birauli Jham, Kumarganj, Ayodhya



AWARDS TO FACULTY

- **Dr. A.K. Gangwar**, Professor and Head, Department of Veterinary Surgery and Radiology, and **Dr Vipin Kumar Yadav** received Gold medal for the paper entitled with Evaluation of cross linked decellularized caprine periosteum along with undifferentiated bone marrow stem cell for repair of critical sized bone defect in New Zealand white rabbits on 6th December 2023.
- **Dr Vipin Kumar Yadav**, received appreciation certificate from Uttar Pradesh Veterinary Association for valuable contribution in the Veterinary profession on the occasion of World Veterinary Day-2024 o 27 April, 2024 at Lucknow.
- **Dr Vipin Kumar Yadav**, received Certificate of appreciation in the National seminar cum alumni meet on “Climate resilient Agriculture for sustainable development and doubling farmers income” organized by alumni association, ANDUAT, Kumarganj, Ayodhya-224229 from 24-25, December-2023.
- **Dr Rajesh Kumar**, received Best paper award in National Symposium on “Recent Biotechnological advances in Health and Management of Livestock, Poultry and Companion animals” organized by College of Veterinary Science & Animal Husbandry, Mhow, NDVSU, Jabalpur from 5-7, October, 2023.
- **Dr Rajesh Kumar**, received award in National Symposium on “Livestock Health and Poultry: A Paradigm Change to Maximize Productivity for Sustainable Farmers' Livelihood” organized by College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar, Haryana from 7-8, February, 2024.
- **Dr. Krishna Nand Singh** and **Dr Mukesh Kumar** received Dr. C.M. Singh National Award of Excellence 2024 by Pasudhan Prahari on 27.04.2024.
- **Dr. Vibha Yadav** was awarded with 'Best Teacher Award' for Academic session 2022-2023 by ANDUAT, Kumarganj, Ayodhya.
- **Dr. Vibha Yadav** received 'Ram Singh Memorial National Animal Welfare Award, 2023' by Pashudhan Praharee.
- **Dr. Vibha Yadav** received Best Poster and **IInd Best Oral** Presentation Award in National Symposium of SVSBT on 7th October, 2023.

PUBLICATIONS:

Research Articles	57
Books	English : 07 ; Hindi: 03
Book Chapters	30
Leaflets	03

VISITS OF THE DIGNITARIES



Dr. R S Paroda, Ex Director General, ICAR



ETT Lab visited by Hon' ble Minister Sri Sanjeev Baliyan ji



COLLEGE OF FISHERIES

Dr. C.P. Singh, Dean

The College of Fisheries came into existence in the academic year 2006-07 with the financial assistance of State Government of Uttar Pradesh and Indian Council of Agriculture Research (ICAR), New Delhi. The college was established with a vision to be a leading institution of the country through quality education, research and extension at par with international standards.

Seven departments have been functioning in the College of Fisheries at present.

S.No.	Department
1.	Aquaculture
2.	Fisheries Resource Management
3.	Aquatic Animal Health Management
4.	Aquatic Environment Management
5.	Fish Processing Technology
6.	Fisheries Engineering
7.	Fisheries Extension, Economics and Statistics

STUDENTS STRENGTH

The overall strength of the college is as follows during academic year 2023-24:

B.F.Sc.	M.F.Sc.		Ph.D.	
	Aqua-culture	FRM (Fisheries Resource Management)	Aqua-culture	FRM (Fisheries Resource Management)
89	14	10	2	2

TEACHING:

Student READY Programme

The B.F.Sc. IV year (seventh semester) students of the College were attached with the various aquaculture farms to learn different activities related to fish/ shrimp farming in different states like Bihar, Haryana, Punjab and Uttar Pradesh during in-plant attachment of 56 days. After in-plant attachment students were engaged in rural fisheries work experience (RFWE) programme for next 56 days for better extension exposure of fish culture. Based upon the activities performed and work done during these programmes, students prepared their reports and presented their work through power point presentations.



Students working during In-plant Attachment at different aquaculture farms



Students visited farmers field during RFWE programme

Experiential Learning programme (ELP)

In this programme, the students were associated with rearing of different species in various tanks of flow-through system and learnt the management strategies of fish farm. The students were also engaged in the preparation of value-added products of fishes like pickle, cutlet, samosa etc.

Strengthening of infrastructure

The flow-through culture system is constructed and in functional stage. The demonstration unit for RAS and biofloc is also established at newly constructed multi-purpose hall at Instructional Fish Farm of College of Fisheries. One tractor has been also purchased to strengthened the fish farm. The College has also renovated its laboratories, committee room



Students involved in fish farming during ELP



Flows through tanks



Students involved in value-addition during ELP

and Dean's Chamber. One laboratory developed as one stop solution for the farmers and several instruments have been purchased for proper functioning of the laboratory. One interactive panel has been purchased and installed in committee room of the College.

RESEARCH

Research Projects

The college has taken tremendous efforts for strengthening of research facilities:

Sl. No.	Name of Research Projects	Funding agencies	Status
1.	Development of suitable module to harvest the optimum potential of fish production in sodic soil of Uttar Pradesh	UPCAR	Ongoing
2.	Strengthening and Modernization of Instructional Fish Farm at College of Fisheries, A.N.D.U.A.&T., Kumarganj, Ayodhya	RKVY	Ongoing
3.	Species validation, breeding, growth and nutritional perspectives of the cat fish <i>Clarias magur</i> for diversification of aquaculture in Eastern Uttar Pradesh	UPCAR	Submitted



PATENT

Dr. Shashank Singh, Assistant Professor (Department of Aquaculture) published a patent on design of “Two paddle wheel aerator for biofloc fish culture”.

PUBLICATIONS:

Number of research articles during 2023-24	08
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STUDENTS' SUCCESS IN EXAMS

Mr. Ambrish Singh, Ph.D. student cleared ICAR-NET (2023) examination. Four students of the college have cleared ICAR- PG examination and took admission in M.F.Sc. at G.B.P.U.A.T., Pantnagar, GADVASU, Ludhiana, KUFOS, Kerala, and SKUAST, Jammu & Kashmir. Eight students have also qualified UPCATET examination and took admission in M.F.Sc.

STUDENTS' PLACEMENT

Three students of B.F.Sc. selected in campus interview conducted by Dayal Aqua Feeds while several students are working as young professional in institutes like ICAR-NBFGR, Lucknow and ICAR-CIFRI, Regional Centre Prayagraj.

TRAINING PROGRAMMES/WORKSHOP/ CONFERENCES ORGANIZED

- Total four training programmes of seven days each were conducted in March, 2024 at College



Glimpses of Training Programme

of Fisheries under the project entitled “Strengthening and modernization of instructional fish farm”, sponsored by RKVY. The PI of the project Mr. Sunil Kant Verma was the coordinator and all the faculty members contributed in the organization of the training programme. More than 400 beneficiaries participated to get theoretical and practical knowledge of modern techniques in fish farming techniques and value-added products.

- One day workshop on “Fish Biodiversity and Conservation” was organized by Department of Fisheries Resource Management, College of Fisheries on 26.09. 2023. **Dr. K. D. Joshi**, Retd. Principal Scientist, Prayagraj center, ICAR-CIFRI was invited as a guest speaker where he delivered two lectures on “**Status of Fisheries in Ganga River System & Impact of Alien Species**” and “**Cold Water Fisheries Resources and Fish Diversity**”. 85 students from College of Fisheries participated in the workshop.

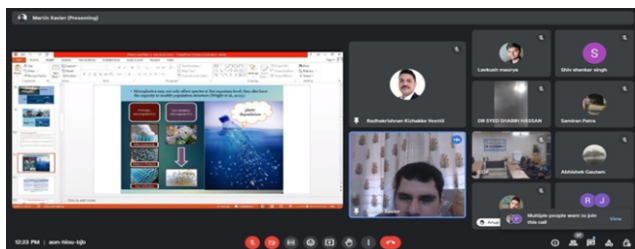


Workshop on “Fish Biodiversity and Conservation”

- One-Day National workshop on “Harnessing Emerging Techniques for Sustainable Fisheries and Aquaculture in Eastern Uttar Pradesh”** was organized on 27-11-2023 in hybrid mode. Two offline resource persons including Mr. Rajendra Singh Bisht, Deputy Director (Fisheries), Dept. of Fisheries Govt. of Uttar Pradesh and Mr. Rahul Singh, a leading Aqua-Entrepreneur and alumni of the college, Ayodhya and four online resource persons including Dr. B.K. Behera, Dean, College of Fisheries, RLB-CAU, Jhansi, Dr. Shivendra Kumar, Professor, DRPCA, Bihar, Dr. Sajina A.M., Scientist ICAR-CIFRI, West Bengal and



Dr. Martin Xavier, ICAR-CIFT, Kerala enlightened 180 participants from different parts of the country.



Online lecture delivered by Dr. Martin Xavier, Scientist, ICAR-CIFT

AWARDS TO COLLEGE/ FACULTY

S.No.	Name of teachers/scientists	Name of award	Awarding agency
1.	Dr. Jyoti Saroj	Best oral presentation award	Awarded at National Conference,"
2.	Dr. Jyoti Saroj	Second position in National level competition "young women scientist awards-2023"	Transforming Rural Poverty to Prosperity through sustainable fisheries organized at College of Fisheries, Kishanganj, Bihar from 19-21 July, 2023.

EXTENSION ACTIVITIES

- A five day training programme organized for the innovative fish farmers of Amethi district under ATMA scheme during 11-15 December, 2023 in collaboration with "Jyotipunj Sewa Sansthan".
- On 13th February, 2024, a field day and fish farming training organized in adopted village under the project "Development of suitable module to harvest the optimum potential of fish production in sodic soil of Uttar Pradesh". The programme was coordinated by Dr. Laxmi Prasad, Associate Professor and PI of the project. After training, the fish seed was also distributed to the farmers.

SOCIAL PROGRAMMES/DAYS/ EVENTS ORGANIZED

- On the occasion of "National Fish Farmers Day"- 10th July, 2023, a program was organized



at adopted village. During the program, 3000 number of fingerlings were also stocked in community ponds of adopted village and plants are distributed to the farmers. An interaction meet with farmers was also organized to discuss their issues related to fish farming.

- As per direction of government and university administration, various activities were conducted on the occasion of "Azadi ka Amrit Mahotsav" at college level and at adopted village.



- On the occasion of "World Fisheries Day", 21st November, 2023, a program was organized at adopted village. During the program, goshthi and interaction meet was organized with farmers and 5000 number of fingerlings was also stocked in community ponds of adopted village.





- As per direction of Office of the Governor to celebrate convocation week, different traditional sports activities were conducted at adopted village by College of Fisheries.
- On the occasion of “**Van Mahotsav-2023**”, 3000 plants of different varieties were transplanted at Instructional Fish Farm and adopted village.

- On the occasion of **International Yoga Day**, 21st June, yoga awareness program was conducted at adopted village, Sidhauna for the well-being of people and to improve their physical and mental health.





MAHAMAYA COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY, AMBEDKARNAGAR

Er. Ram Jit Singh, Associate Dean

The College of Agricultural Engineering & Technology was started with B.Tech Agricultural Engineering Program in 2003-04 at main campus Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya. The College was shifted at Ambedkar Nagar and renamed as “Mahamaya College of Agricultural Engineering & Technology” in 2005.

➤ **NUMBER OF DEPARTMENTS: 06**

1. Farm Machinery and Power Engineering (FMPE)
2. Irrigation and Drainage Engineering (IDE)
3. Process and Food Engineering (PFE)
4. Soil and Water Conservation Engineering (SWCE)
5. Renewable Energy Engineering (REE)
6. Basic Engineering and Applied Sciences (BEAS)

➤ **NO. OF DEGREE PROGRAMMES: 03**

Sr. No.	Program	Discipline
1	B. Tech	Agricultural Engineering
		Computer Science & Engineering
		Mechanical Engineering
2	M. Tech. (Agricultural Engineering)	Farm Machinery and Power Engineering
		Irrigation and Drainage Engineering
		Process and Food Engineering
		Soil and Water Conservation Engineering
		Renewable Energy Engineering
3	Ph.D. (Agricultural Engineering)	Farm Machinery and Power Engineering
		Irrigation and Drainage Engineering
		Process and Food Engineering
		Soil and water Conservation Engineering

➤ **STUDENTS STRENGTH IN UG, PG AND Ph.D. PROGRAMMES DURING 2023-24**

	Undergraduate	Post-graduate	Ph.D
No. of students	91	14	07

➤ **TEACHING : ELP/RAWE Programmes:**

Experiential Learning on Campus (Student READY)-10 weeks

Industrial Attachment/ Internship Outside Campus (Student READY)- 10 weeks

➤ **RESEARCH**

a. **RESEARCH PROJECTS (ON GOING)**

S. No.	Title of project	Name of PI	Cost of Project (Rs. in Lac)	Funding Agency
1	Cleaning system for small scale solar PV system	Dr. Pramod Kumar Mishra	21.05	UPCAR
2	Establishment of Solar Park and Solar Tree for promoting Farmers/ Small Entrepreneurs	Dr. Pramod Kumar Mishra	400.00	RKVY
3	Development of Different Crop Residue Management Practices	Dr. Pramod Kumar Mishra	320.00	RKVY
4	Regional Cooperation for fresh water ecosystem management in Indian Himalayan Region	Dr. Shivam	73.60	Asia Pacific Network

**b. PATENTS :**

S. No.	Patent Application No.	Status of patents published/granted	Inventor's name	Title of patent	Date of filing	Patents published/granted date	Patent publication No./ patent granted No.
Mahamaya College of Agricultural Engineering & Technology, Ambedkar Nagar							
1.	2023110605 17 A	Published	Shashank Verma, Dr. Vijay Kumar Singh, Dr. Pramod Kumar Mishra, Dr. Sandeep Kumar Pandey, Dr. Dharmendra Kumar Singh, Dr. Vipul Chaudhary, Dr. Manish Kumar, Dr. Paul Arjun Sanjay, Dr. Shivam	A SUGARCANE PEELING MACHINE	08/09/2023	13/10/2023	NA
2.	2023110604 45 A	Published	Amir Ansari, Dr. Pramod Kumar Mishra, Dr. Sandeep Kumar Pandey, Dr. Dharmendra Kumar Singh, Dr. Vijay Kumar Singh, Dr. Manish Kumar, Dr. Paul Arjun Sanjay, Dr. Vipul Chaudhary, Dr. Vishal Mehta, Dr. Shivam	APPARATUS FOR CLEANING A SOLAR PANEL AND METHOD THEREOF	08/09/2023	06/10/2023	NA
3.	402558-001	Granted	Mr. Kuldeep Kumar, Er. Ram Jeet Singh, Dr. Pramod Kumar Mishra, Dr. Vipul Chaudhary, Dr. Vijay Kumar Singh, Dr. Manish Kumar, Dr. Sandeep Kumar Pandey, Dr. Paul Arjun Sanjay, Dr. Shivam, Mr. Shashank Verma, Mr. Amir Ansari, Mr. Shubham Yadav, et al.	ALOE VERA GEL EXTRACTION MACHINE	20/12/2023	02/02/2024	155658
4.	410101-001	Granted	Mr. Amar Tiwari, Er. R. J. Singh, Dr. Pramod Kumar Mishra, Dr. Manish Kumar, Dr. Paul Arjun Sanjay, Dr. Vijay Kumar Singh, Dr. Vipul Chaudhary, Dr. Shivam, Dr. S. K. Pandey, Mr. Shashank Verma, Mr. Amir Ansari, Mr. Ashu Singh, et al.	TREE SHAKER CUM FRUIT HARVESTER MACHINE	11/03/2024	03/05/2024	168041

**NO. OF STUDENTS SUCCESSFUL IN EXAMS (JRF/SRF/NET OR OTHER EXAMS)****GATE cleared: 08****STUDENTS PLACEMENTS:**

Total 12 students got placement in private sector during session April 2023 to March 2024.

Sr No.	Name of the students	Pass out year	Company	Designation	CTC (lacs)
Off- campus					
1.	Vaibhav Singh	June 2023	BYJUS	Centre Sales Associate - BTC	8.5
2.	Ambikesh Yadav	June 2023	Mahindra & Mahindra Swaraj division	Sales and marketing field officer (F.O)	3.0
3.	Shivam Dubey	June 2023	TAFE Tractor	Sales and marketing field officer (F.O)	3.0
4.	Pushpendra Kumar Pandey	June 2023	TAFE Tractor	Sales and marketing field officer (F.O)	3.0
5.	Shashikant Rawat	June 2023	TAFE Tractor	Sales and marketing field officer (F.O)	3.0
6.	Aman Singh	June 2023	TAFE Tractor	Sales and marketing field officer (F.O)	3.0
7.	Amit Shukla	June 2023	Irrigation Department (Govt.)	Engineer	3.0
8.	Abhishek Pandey	June 2023	Irrigation Department (Govt.)	Engineer	3.0
9.	Nishtha	June 2023	Airation Softtech Private limited	Junior Estimator	2.5
10.	Indrajeet Kumar	December 2023	TAFE Tractor	Agricultural field officer (A.F.O)	3.5
11.	Somu Singh	January 2024	Escorts Kubota	Agricultural field officer (A.F.O)	5.0
12.	Yashika Chaudhary	December 2023	Inventive seed Private ltd.	Executive cells	3.0

TRAINING PROGRAMMES/ WORKSHOP/CONFERENCE ORGANIZED:

S. No.	Title of Seminars/ Symposia/Course/ Workshop	Mode of Seminars/ Symposia/Course/ Workshop	Date & Duration
1.	National Webinar on Sustainable and Smart Agriculture	Virtual	April 06, 2023
2.	5 Days National Training program on Personality Development	Physical	December 11-15, 2023
3.	National Workshop on Agricultural Engineering : Challenges and Opportunity	Physical	December -15, 2023



Five Days National Training program on Personality Development organized at MCAET from December 11-15, 2023



National Workshop on Agricultural Engineering: Challenges and Opportunity organized at MCAET on 15th December 2023

➤ AWARDS TO COLLEGE/FACULTY

Sr No.	Name of teachers/scientist	Name of Award	Awarding agency	Date of Award
1	Dr. Paul Arjun Sanjay	Young Scientist Award	BBAU, Lucknow	9 February, 2024.
2	Dr. Paul Arjun Sanjay	Best Paper Award	BBAU, Lucknow	9 February, 2024.
3	Dr. Manish Kumar	Best Paper Award	ANRCM, Lucknow, UP	9 December, 2023.
4	Dr. Manish Kumar	Best Oral Presentation	ICFPLS-2023, Port Blair, India	20 September, 2023

**x. EXTENSION ACTIVITIES:**

Sr. No.	Name of the programme and place	No. of participants
1.	District Level Kisan Mela at KVK, Ambedkar Nagar	More than 300
2.	Technology demonstrations and exposure visit of students from GGIC, Ambedkar Nagar at MCAET, Ambedkar Nagar	More than 50
3.	State Level Kisan Mela and Udyog Pradarshani at ANDUAT, Kumarganj, Ayodhya	More than 2000
4.	Popularization of UPCATET	More than 500
5.	कृषक वैज्ञानिक संवाद एवं गोष्ठी, कृषि विज्ञान केंद्र, पांती, अम्बेडकरनगर	More than 100

**Participation of MCAET Scientist for State Level Kisan Mela and Udyog Pradarshani at ANDUAT, Kumarganj, Ayodhya****➤ EDUCATIONAL TOUR PROGRAMME:**

An educational tour program was organised of B.Tech Agricultural Engineering final year students to GBPUAT, Pantnagar from 07th to 12th January 2024.

**An educational tour program : B.Tech Agricultural Engineering final year students at GBPUAT, Pantnagar****SOCIAL PROGRAMMES****Planation program at adopted Village**

**COLLEGE OF COMMUNITY SCIENCE****Dr. Sadhana Singh, Dean**

The College was started as a department in 1986 with B.Sc. Home Science degree programme at College of Agriculture, N.D. University of Agriculture and Technology, Kumarganj, Ayodhya. The Department was upgraded to college on 20th August 1993 and shifted to present building on 17th July 2002. Later on, college received its additional wing in 2015, which has enabled the teaching in a more organized manner. Further with the recommendation of 5th Deans Committee, the College was renamed as College of Community Science in 2020.

Presently, the College has five departments

1. Food and Nutrition
2. Human Development and Family Studies
3. Resource Management and Consumer Science
4. Apparel and Textile Science
5. Extension Education & Communication Management

The College of Community Science is offering UG, PG and Ph.D. Degree.

A. TEACHING**Total number of students in college during session 2023-24**

Total number of students in under-graduation degree programmes					
	B.Sc. (Hon) I st Year	B.Sc. (Hon) II nd Year	B.Sc. (Hon) III rd Year	B.Sc. (Hon) IV th Year	Total
Community Science	08	04	15	12	39
Food Nutrition & Dietetics	11	Started in the Session 2023-24			11
Grand Total					50

Total number of students in PG and Ph.D. degree programmes		
Name of the department	M.Sc.	Ph.D.
Food and Nutrition	01	05
Human Development and Family Studies	01	01
Family Resource Management and Consumer Science	01	02
Total	03	08

B. RESEARCH**Projects ongoing :**

S. No.	Title of the Project	PI/CO-PI	Funding Agencies	Duration (in Years)	Budget (in lakhs)
1.	Development of low cost value added product from paddy straw to minimize pollution	PI: Prof Suman Prasad Maurya	UPCAR	3	Rs. 24.93
2.	Establishment of agriculture technology park	CO-PI: Prof Sadhna Singh	RKVY	3	Rs. 472.00
3.	Collection and Evaluation of Millet Germplasm for Improvement and Value Addition: Focus Central-East Uttar Pradesh	CO-PI: Prof Sadhna Singh	UPCAR	4	Rs. 56.12

Projects Submitted:

S. No.	Title of the Project	PI / CO-PI	Funding Agencies
1	Women Empowerment through Skill Development Training to Prepare 'Pooja Samagri' using Natural Materials in Ayodhya District"	PI: Dr. Babita Verma CO-PI: Prof. S. P Maurya Prof. Sadhna Singh Dr. Mamta Arya Dr. Preeti Singh	UPCAR
2.	Development of Millet based Commercial Products	PI: Dr Pragya Pandey CO-PI: Prof. Sadhna Singh Dr. Shweta Chaudhary	UPCAR



C. SEMINAR/WORKSHOP/CONFERENCE/ TRAINING PROGRAMMES ORGANIZED

- National Workshop on “How to deliver an impactful PowerPoint presentation?” was organized by department of Apparel and Textile Science held on 30.9.2023. Hon'ble Vice-Chancellor was the chief guest and Mr. Hamza Khan, Co-Founder, View Sonic. Pvt. Ltd. was the lead speaker of the event.
- College of Community Science organised Women Seminar on the theme “Women's Health: Physical, Social and Mental” on 22.11.23. Dr. Abha Singh, HOD, Psychology, PPN. P. G. College, Kanpur, and Mrs. Vidushi Singh, SDM Sultanpur was the guest speakers of the event where they shared their views on women health specifically on mental health and over all wellbeing of women and its impact on society.



Glimpse of Seminar on “Women's Health: Physical, Social and Mental”

- Department of Food & Nutrition organized 7 days Training Programme on “Millets based value added products” for rural women of village in Barai Para, Dili Giridhar, Bawan, Dobhiyara, Jorium and Pithila from 15.8.2023 to 21.8.2023, respectively.



Demonstration of various innovative recipes of millets by Dr Sadhna Singh Dean, COCS and team

- Department of Apparel and Textile Science organized one day hands on training on “Utilization of CERA Resources” on 7th November 2023.

(D) EXTENSION ACTIVITIES:

- College of Community Science organized awareness programme on the occasion of “International Day for Justice” at adopted village Jorium on 25.07.2023.



Awareness programme on “International Day for Justice”

- Department of Apparel and Textile Science celebrated “National Handloom Day” on 7th August 2023 and organized a fabric painting competition, the theme of the event was “Handloom- the Heritage of India”



Students participation in fabric competition on the occasion of “National Handloom Day”

- Department of Food and Nutrition organized series of events on the occasion of National Nutrition week viz., Millets based Recipe competition, Painting Competition, Essay Competition, Rangoli Competition and Video Making Competition.



Millet Recipe Competition on the occasion of National Nutrition Week

- Department of Human Development and Family Studies organized International Women's Day. Mrs. Anamika Srivastava, Deputy Collector, Ayodhya shared her views on women legal rights and motivated the young girls to be confident and excel in every field whereas Dr. Asha Arya, Medical Officer, gave knowledge about Women Health.
- Department of Human Development and Family Studies organized various Traditional Games competitions like Kho-Kho, Kabbadi etc. at Government Primary School, Village Jorium Kumarganj on the occasion on 25th Convocation.
- College organized Awareness Programme on Mission Shakti, Phase -4 at Rastriya Vidya Peeth, Kumarganj. on 18th October 2023.



Dr. Sadhna Singh, Dean, College of Community Science, delivered lecture on awareness regarding Self-Defence between Adolescence Girls

- Department of Apparel and Textile Science organized "Slogan Competition" on theme Azadi ka Amrit Mohotsav "Meri Matti Mera Desh" on 23/8/2023.
- Department of Family Resource Management and Consumer Science Organised "*Hindi Diwas*" on 14 September 2023 at College.
- Organized "*Dahej Pratished Diwas*" on 28.11.2023 at Sant Bheekhadass Ramjas P.G College Mohli.





- Millet lunch organized by the Dept. of Food and Nutrition at Vidhaan Sabha, Lucknow for approximately 1000 guests including MLAs of Uttar Pradesh on 10 February 2024.

E. OTHER MAJOR ACTIVITIES OF COLLEGE DURING SESSION 2023-24

- Establishment of Textile Gallery by Department of Apparel and Textile Science.



Students visit to Textile Gallery

- Department of Food and Nutrition established a Sale Counter of College in University Campus near SBI Bank



Inauguration of Sale Counter of College

- College of Community Science secured first prize for best stall under value addition and third prize for best stall in kisan mela 2023-24.



Faculty Members Receiving prize from Hon'ble Vice-Chancellor Dr. Bijendra Singh ji

- College secured first place during Shree Ann Mahotsav at Indira Gandhi Pratishthan, Lucknow. U.P.



Receiving prize from Hon'ble Agriculture Minister Mr. Surya Pratap Shahi

- College of community science participated in "Regional Fruit, Vegetable and Flower Exhibition" organized at Raj Bhawan Lucknow and demonstrated various articles made by students like jute pot-holders, lamp shades, paper jewellery, decorated pot, utility products etc. made from waste clothes and millets-based products were also gifted to the Hon'ble Governor Madam.



Hon'ble Agriculture Minister Shree Surya Pratap Shahi ji and ACS, Dr. Devesh Chaturvedi ji with other Dignitaries during the lunch at Vidhan Sabha, Lucknow, U.P



Stall at Regional Fruit, Vegetable and Flower Exhibition” at Raj Bhawan Lucknow, U.P

COLLEGE IN MEDIA:



(F) PUBLICATIONS

Number of research papers	17
Books	01
Book chapters	05
Training manual	01

(F) AWARDS:

- Prof. Suman Prasad Maurya received BIOVED GEMS OF INDIA Award-2024 at 26th Agricultural Scientists and Farmers' Congress on 16-17 March organized by Bioved Research Institute of Agriculture, Technology & Sciences, Mohrab, Shringverpur, Prayagraj.
 - Prof. Suman Prasad Maurya received an award at the 7th Foundation Day of Nishpaskh Pratinidhi on June 13, 2024.
 - Dr. Prachi Shukla received Young Women Scientist Award at 6th international conference organized by SR University Warangal, SKLSTHU Hyderabad, Just Agriculture Education group and ISAHDR Chandigarh.
- (G) NUMBER OF STUDENTS SUCCESSFUL IN SRF/JRF/NET: 02**
- (H) DIGNIFIED VISITORS DURING 2023-24**
- Dr. R.C. Agarwal, DDG, Indian Council of Agriculture Research, New Delhi
 - Dr. R.S. Paroda, Ex DG, ICAR and Secretary DARE
 - Dr. Nazeer Ahmad, Ex Vice Chancellor, Sher-e-Kashmir University of Agriculture & Technology
 - Dr. B. Neeraja Prabhakar, Vice Chancellor, Konda Laxman Telangana State Horticultural University, Telangana
 - Dr. S.N Jha, DDG (Agricultural Engineering), ICAR, New Delhi.
 - Dr. Suman Bhanot, Ex Dean, College of Community Science, ANDUAT, Kumarganj.



DIRECTORATE OF RESEARCH

Prof. A.K. Gangwar, Director Research

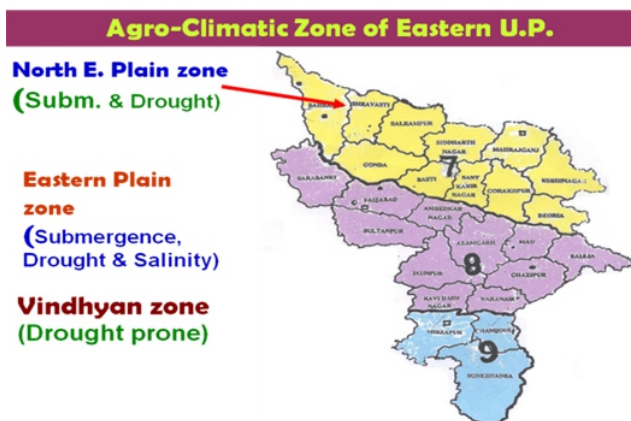
JURISDICTION OF DIRECTORATE OF RESEARCH

The Directorate of Research with its headquarter at Kumarganj (Ayodhya) governs the research activities in 26 districts belonging to seven revenue divisions viz. Ayodhya, Basti, Devipatan, Gorakhpur, Varanasi, Azamgarh and Vindhyachal Dham of eastern U.P. under three Agro-Climatic Zones i.e. North Eastern Plain Zone (NEPZ), Eastern Plain Zone (EPZ) and Vindhyan Zone (VZ). The university has seven research stations in different Agro-Climatic Zones under its jurisdiction. The research stations are ANDUAT Main Campus Kumarganj, (Ayodhya), Crop Research Station (CRS), Masodha, (Ayodhya), Zonal Agricultural Research Station (ZARS), Basuli, (Mahrajganj), Zonal Agricultural Research Sub-Station (ZARSS), Baribagh (Ghazipur), CRS, Bahraich, CRS, Ghaghraghat (Bahraich) and ZARS, Tisui (Mirzapur).

AGRO-CLIMATIC ZONES: 03

North Eastern Plain Zone:

- ☐ Zonal Agricultural Research Station (ZARS) Basuli (Mahrajganj)
- ☐ Crop Research Station (CRS) Bahraich
- ☐ Crop Research Station (CRS) Ghaghraghat (Bahraich)



Eastern Plain Zone:

- ☐ Zonal Agricultural Research Station (ZARS), Main Campus, Kumarganj (Ayodhya).
- ☐ Zonal Agricultural Research Sub-Station (ZARSS) Baribagh, (Ghazipur).
- ☐ Crop Research Station (CRS), Masodha

(Ayodhya).

Vindhyan Zone:

- ☐ Zonal Agricultural Research Station (ZARS) Tisui, (Mirzapur).

NEPZ:

1. Crop Research Station (CRS) Ghaghraghat (Bahraich)- Main centre for Deep Water Rice Research.
2. Crop Research Station (CRS) Bahraich- Centre for Maize, Jute and Agro-meteorology research.
3. Zonal Agril. Research Station (ZARS) Basuli (Mahrajganj) – Centre for crop research.

EPZ:

1. Main Campus, Kumarganj (Ayodhya) Centre for basic and applied research through different colleges in various disciplines of Agriculture, Horticulture and Forestry, Veterinary Science and Animal Husbandry, Fisheries, Agril. Eng. & Tech. and Home Science.
2. Crop Research Station (CRS), Masodha (Ayodhya) – Main Centre for Rice Research.
3. Zonal Agricultural Research Sub-Station (ZARSS) Baribagh & Ankushpur (Ghazipur) Centre for crops research.

VZ:

1. Zonal Agricultural Research Station (ZARS) Tisui, (Mirzapur)- Centre for Pulses and Oilseed research.

UNIVERSITY FARMS/MES/NSP/SIF

MES Farm:

1. Main Experiment Station – Genetics & Plant Breeding
2. Main Experiment Station – Horticulture
3. Main Experiment Station – Agro-forestry

NSP Farm:

1. National Seed Production Farms –I
2. National Seed Production Farms –II
3. National Seed Production Farms –III
4. National Seed Production Farms –IV
5. National Seed Production Farms –V
6. National Seed Production Farms –VI



SIF Farm:

1. Student Instructional Farm

VARIETAL IMPROVEMENT:

The major research thrust in crop production has been to develop high yielding varieties of all important crops resistant to biotic and abiotic stresses. As a result,

the university **199 varieties** released at Central/State level by Central/ State Varietal Release Committee (CVRC/ SVRC) and the rest have been identified for release.

Identified by AICRP on Arid Zone Fruits, Central Institute of Arid Horticulture, Bikaner (Rajasthan)

New Varieties notified/identified (2023-2024):

Name of Variety	Name of Crop : Paddy
 Pusa Narendra Kala Namak-1	Duration : 148-152 days Height : 90-95 cm Grain Type : MS Husk Colour : Dark Brown Aroma : High 1000 Seed Weight : 13.6 g Resistant to disease : False smut Yield : 40-42 q/ha
 Pusa Narendra CRD Kala Namak-2	Duration : 148-152 days Height : 90-100 cm Grain Type : MS Husk Colour : Brown Aroma : Medium 1000 Seed Weight : 14.6 g Resistant to disease : False smut Yield : 40-42 q/ha

New Identified Varieties (2023-2024):

Name of Variety	Name of Crop- Aonla (Identified by AICRP on Arid Zone Fruits, Central Institute of Arid Horticulture, Bikaner (Rajasthan))
 Narendra Aonla-25	Narendra Aonla-25 IC No.- 0613871 Characters : • Early flowering (starts from last week of February) • Start bearing in 4th year • It is suitable to grow under sub-tropical ecosystem. • Early ripening (November) and earliest among the released varieties. • Attractive creamy yellow colour of pulp of complete ripened fruit. • Fruit shape- Flattened round. • Fruit yield/plant 80-85 kg/plant • Fruit weight 80-85g, fruit size 4.18 cm x 4.41 cm • TSS 11.50°Brix, acidity (0.89%) and vitamin C- 545.93 mg / 100 g pulp
 Narendra Aonla-26	Narendra Aonla-26 IC No.- 0613872 Characters : • Early flowering (starts from last week of February) • Start bearing in 4th year. • It is suitable to grow under sub-tropical ecosystem. • Full ripening in the month of December. • Attractive bright green yellow colour of fruits with smooth thin skin of complete ripened fruits. • Fruit shape- Flattened round. • Fruit yield/plant 90-100 kg • Fruit weight 45.68g, fruit size 3.93 cm x 4.15 cm • TSS pulp 10.85°Brix, acidity (1.10%) and vitamin C 483.68 mg/100 g pulp

Name of Variety	Name of crop : Bael (Identified by AICRP on Arid Zone Fruits, Central Institute of Arid Horticulture, Bikaner (Rajasthan))
  Narendra Bael-8	Narendra Bael-8 IC No.- 0613863 Characters : ● Fruit yield (kg)/plant is 108.89kg, fruit weight 1.23 kg, fruit ● Size 22.33 cm x 21.45 cm, shell thickness 2.21 mm ● Total number of seed 109-130, locules arrangement-scattered, seed cavity 11-13 ● Mucilage very less, TSS pulp 38.770B, acidity(0.36%) and vitamin C 19.91 mg/100g pulp, ● Pulp colour-pale yellow, pulp taste-sweet
  Narendra Bael-10	Narendra Bael-10 IC No.06138720613664 Characters : ● Early ripening (March) and earliest among the released varieties. ● Compact foliage, less fruit sunscald and very less thorns under subtropical-arid environment and starts bearing in 4th year. ● It is suitable to grow under sub-tropical ecosystem. ● Drought tolerant, luxuriant growth and higher fruit yield under less precipitation and high temperature. ● Attractive light yellow colour of pulp of complete ripened fruit. ● Fruit weight 1.75-2.00kg/fruit, yield 95-105kg/plant, ● It is highly suitable for powder and RTS owing to attractive pulp colour and fiber content



Name of Variety	Name of crop : Bael (Identified by AICRP on Arid Zone Fruits, Central Institute of Arid Horticulture, Bikaner (Rajasthan))
  Narendra Bael-11	Narendra Bael-11 IC No.- 0613868 Characters : - Fruit shape- elliptical, fruit yield/plant is 99.60 kg, fruit weight 1.87-2.00 kg - Fruit size 26.00 cm x 24.68 cm, shell thickness 2.58 mm, total number of seed 130-140, locules in cross section 13-14 - Pulp colour- whitish yellow, TSS pulp 33.98 (0Brix), acidity (0.36%) - Vitamin C 35.15 mg / 100 g pulp was recorded.

RESEARCH PROJECTS:

62 research projects/schemes, financed by various national and international agencies, are were in operation in the university.

Research Projects 2023-24

Sl. No.	Name of Projects	No. of Projects
1.	All India Co-Ordinated Research Projects (75% ICAR share and 25% State share)	18
2.	Scheme 100% Financed by ICAR	01
3.	Research Project Financed by International Agency	02
4.	Research Projects Financed by UP CAR	11
5.	Research Projects Financed by RKVY	05
6.	Research Projects Financed by other National/State Agencies	07
7.	Non – Plan Projects 100% Financed by State Govt.	18
Total :		62

All India Co-Ordinated Research Projects (75% ICAR share and 25% State share)

Sl. No	Name of the Project/ Scheme	Mobile No.	Name of PI	Year of Start
1.	AICRP on Rice Improvement	9415720287	Dr. D.K. Dwivedi OIC, CRS Masodha	1976 to cont.
2.	AICRP on Deep Water Rice	9934318392	Dr. Mahendra Singh OIC, CRS Ghaghraghat	1976
3.	AICRP on Maize Improvement	7404673927	Dr. Manish Kushwaha OIC, CRS Bahraich	1976
4.	AICRP on Integrated Farming System	9415515216	Dr. Neeraj Kumar Yadav, Agronomy	1976



Sl. No	Name of the Project/ Scheme	Mobile No.	Name of PI	Year of Start
5.	AICRP on Seed (Crops)	9451955851	Dr. S.C. Vimal, Seed Technology	1978
6.	AICRP on Irrigation Water Management	9450766594	Dr. A.K. Singh, HOD, Agronomy	1980
7.	AICRP on Vegetable Improvement	9453909227 6388007474	Dr. Ashtik Jha	1980
8.	AICRP on Medicinal & Aromatic Plants	9936888454	Dr. R. S. Mishra	1980
9.	AICRP on forage Crops Improvement	9450766603	Dr. Shambhoo Prasad	1982
10.	AICRP on Wheat & Barley Improvement	7992281425	Dr. Vinod Kumar Singh	1987
11.	AICRP on Arid Fruits	9415439398	Dr. Bhanu Pratap	1987
12.	AICRP on Agro-forestry	9454932174	Dr. S.K.Verma	1987
13.	AICRP on Potato Improvement	9451205686	Dr. C.N.Ram	1987
14.	AICRP on Agro-meteorology (NICRA)	9450766594	Dr. A.K. Singh, HOD, Agronomy	1990
15.	AICRP on Potential Crops	8700808347	Dr. Vikram Jeet Singh, Seed Technology	1995
16.	AICRP on Spices	9415475037	Dr. Pradeep Kumar	1995
17.	AICRP on MULLaRP	8736031933	Dr. Akash Gaurav Singh	2001
18.	AICRP on Chickpea	9452276217	Dr. Shiv Nath	2001

Scheme 100% Financed by ICAR

Sl. No	Name of the Project/ Scheme	Mobile No.	Name of PI	Year of Start
1.	NICRA (Agro-meteorology)	9450766594	Dr. A.K. Singh HOD, Agronomy	2010 to cont.

Research Projects Financed by International Agencies.

Sl. No	Name of the Project/ Scheme	Mobile No.	Name of PI	Year of Start
1.	Accelerated Genetic Gain in Rice (AGGRA-Alliance)-Marginal Environment (IRRI)	9415720338	Dr. A.K. Singh (Crop Physiology)	2019-20
2	Climate Smart Practices	9415720338	Dr. A.K. Singh (Crop Physiology)	2020

Research Projects Financed by UPCAR

Sl. No	Name of the Project/ Scheme	Mobile No.	Name of PI	Year of Start
1.	Genetic enhancement for terminal heat tolerance in bread wheat (<i>Triticum aestivum</i> L.) with conventional and molecular breeding approaches.	9450766603	Dr. Shambhoo Prasad	2020-21
2.	Development of suitable model to harvest the optimum potential of fish production in sodic soil of Uttar Pradesh	9450796577	Dr. Laxmi Prasad	2020-21 (End Dec. 2023)
3.	Creating System for Small Scale Solar PV System	7814204593	Dr. P.K. Mishra	2022-23
4.	Status acaricide resistance and their mitigation with ethanol botanical in eastern Uttar Pradesh	7906387548	Dr. Amit Singh	2022-23
5.	Development of low cost value added products from paddy straw to minimize pollution	7800740160	Dr. Suman Prasad Maurya	2022-23



Sl. No	Name of the Project/ Scheme	Mobile No.	Name of PI	Year of Start
6.	Value Chains of major Agricultural Commodities : A lucrative approach for improving livelihood status of farmer's in Uttar Pradesh	9565800912	Dr. Supriya	2022-23
7.	Improving livelihood status in eastern Uttar Pradesh through assessment of average farmer's: An income enhancement approach.	9565800912	Dr. Supriya	2022-23
8.	Collection and evaluation of Millet germplasm for improvement and value addition: Focus Central-East Uttar Pradesh	9934874800	Dr. Sanjeet Kumar	2023
9.	Improvement of Agromatic Short Grain Rice Landraces of U.P. through Mutation Breeding	7992075842	Dr. Saurabh Dixit	2024
10.	Study on Socio-economic Livelihood of Farmer's through PM Kisan Samman Nidhi in Eastern Uttar Pradesh	8218468846	Dr. Anil Kumar Singh Asstt. Prof. Azamgarh	2024
11.	Physiological and Molecular approaches for Genetic Enhancement of Temperature stress in Wheat.	9450045391	Dr. Alok Kumar Singh (Crop Physiology)	2024

Projects Financed under RKVY

Sl. No	Name of Project	Mobile No.	Name of PI	Year of Start
1.	Enhancement of Livelihood of Tharu community through backyard Poultry and goat husbandry	8887576848 9450938866	Dr. R.R. Singh Asstt.D.E.	2019-20
2	Establishment of Seed Processing Unit in fulfil the demands of quality and production for increasing farmers income.	9451955851	Dr. S.C. Vimal Seed Tech.	2021-22
3	Strengthening of Modernization of Instructional Fish Farm, College of Fisheries, ANDUAT, Kumarganj, Ayodhya	9519104031	Dr. Sunil Kant Verma Vet. College	2021-22
4	Strengthening of 03 KVKs of ANDUAT, Kumarganj, Ayodhya	8887576848 9450938866	Dr. R.R. Singh Asstt.D.E.	2021-22
5	Development of different crop residue management practices.	7814204593	Dr. P.K. Mishra Ambedkarnagar	2021-22

Research Projects Financed by Other National/State Agencies

Sl. No	Name of Project	Mobile No.	Name of PI	Year of Start
1.	Gramin Krishi Mausam Seva (GKMS) (i) AMFU - Kumarganj, Ayodhya (ii) AMFU- Bahraich Funding Agency - Ministry of Earth Science (GOI)	8318503859	Dr. Amar Nath Mishra	1993
2.	Mission Integrated Development of Horticulture (MIDH)	9415474728	Dr. Anil Kumar	2005



Sl. No	Name of Project	Mobile No.	Name of PI	Year of Start
3.	Centre of Excellence in Rice (State Govt.)	9415720338	Dr. A.K. Singh (Crop Physiology)	2018-19
4.	Germplasm characterization and trait discovery in wheat using genomics approaches and its integration for improving climate resilience, productivity and nutrition quality. Sub Project: Characterization and evaluation of wheat germplasm lines for biotic stress resistance. (DBT, Govt.)	9450768159	Dr. Subash Chandra	2020-21 to 2024-25
5.	Assessment of determinants of birds assemblages across rural urban gradient in and around some selected cities of Uttar Pradesh. (Science & Engineering Research Board, New Delhi)	9871360055	Dr. Ulman Yasmita Nitin	2021-22
6.	Radiation Induced mutagenesis for the improvement of highly aromatic premium rice variety kalanamak (BARC, Mumbai)	7992075842	Dr. Saurabh Dixit	2022
7.	Determination of bird assemblages and associated habitat characteristics in protected and unprotected wetlands of Eastern U.P. (Council of Science and Technology, U.P.)	9871360055	Dr. Ulman Yasmita Nitin	2023-24

7 - Non - Plan Projects 100% Financed by State Govt.

1.	Sodh Scheme (Rice, Masodha)	Dr. D.K. Dwivedi, OIC, CRS, Masodha
2.	Oil Seed Project	Dr. Sanjeet Kumar, HOD, GPB
3.	Pulses Project	Dr. Akash Gaurav Singh, GPB
4.	Research on Vegetable Crops	Dr. C.N. Ram, HOD, Veg. Science
5.	Research on Crop Physiology	Dr. R.K. Yadav, Crop Physiology
6.	NARP (Adjusted), Kumarganj (Ayodhya)	DAES (Director, Agril. Expt. Station)
7.	NARP (Adjusted), Masodha (Ayodhya)	Dr. D.K. Dwivedi, OIC, CRS, Masodha
8.	Foundation and breeder seed production unit and Strengthening of seed testing lab.	Dr. Shiv Nath, JD (S & F)
9.	NARP (Adjusted), Tissuhi (Mirzapur)	Dr. R.B. Gautam, OIC, ZARS, Tissuhi
10.	Sodh Scheme, Tissuhi (Mirzapur)	Dr. R.B. Gautam, OIC, CRS, Tissuhi
11.	Flood Rice Research Scheme : Ghaghraht (Bahraich)	Dr. Mahendra Singh, OIC, CRS, Ghaghraht
12.	NARP (H.Q.), Ghaghraht	Dr. Mahendra Singh, OIC, CRS, Ghaghraht
13.	Jute Establishment Scheme, Bahraich	Dr. Manish Kushwaha, OIC, CRS, Bahraich
14.	NARP Sub Station-Bahraich	Dr. Manish Kushwaha, OIC, CRS, Bahraich
15.	NARP (Adjusted), Ghazipur	Dr. Rajesh Chandra Verma, OIC ZARSS, Ghazipur,
16.	Sodh scheme, Ghazipur	Dr. Rajesh Chandra Verma
17.	Production and processing of fruits in usar wasteland	Dr. Sanjay Pathak, HOD, Fruit Science
18.	NARP adjusted Basuli (Maharajganj)	Dr. D.P. Singh, OIC, ZARS, Basuli

**Memorandum of understanding inked with organization (2023-24)**

S. No.	Name of the Organisation/ Institution/ Industry with whom MoU is signed with ANDUA&T Kumarganj Ayodhya	Year of signed MoU
1.	Chandra Shekhar Azad University of Agriculture and Technology, Kanpur	2023
2.	Indian Institute of Soil Science, Bhopal, M.P.	2023
3.	The Warehousing Development and Regulatory Authority, New Delhi	2023
4.	Indian Institute of Pulses Research, Kanpur	2023
5.	Central Soil Salinity Research Institute, Karnal Haryana	2023
6.	Vasant Rao Naik Marathwada Krishi Vidhyapeeth Parbhani, Maharashtra	2023
7.	Rani Laxmi Bai Central Agriculture University, Jhansi	2023
8.	National Bureau of Plant Genetic Resources, New Delhi	2023
9.	District Education and Training Institute, Ayodhya	2023
10.	UP Council of Agricultural Research (UPCAR), Lucknow	2024
11.	UP Council of Agricultural Research (UPCAR), Lucknow	2024
12.	UP Council of Agricultural Research (UPCAR), Lucknow	2024
13.	Umbrella MoU with ICAR-Directorate of Rapeseed mustard Research, Sear, Bharatpur, Rajasthan	2024
14.	Indian Institute of Agricultural Research Institute, New Delhi	2024

TECHNOLOGIES DEVELOPED IN 2023-2024

1.	“Intercropping of coriander with garlic for higher yield and income” This technology was recommended for the states of Bihar, Uttar Pradesh, Chhattisgarh and Madhya Pradesh during the XXXIV Annual Group meeting of AICRP on Spices at UHS campus, Bengaluru, Karnataka from 30 th October- 1 th November 2023.
2.	“Integrated pest and disease management in coriander for the management of stem gall, powdery mildew and aphids” This technology was recommended for the states of Uttar Pradesh during the XXXIV Annual Group meeting of AICRP on Spices at UHS campus, Bengaluru, Karnataka from 30 th October- 1 th November 2023.
3.	“Foliar application of zinc sulphate & iron sulphate each @4g/L at 60, 75 & 90 DAS for realising higher growth, yield & quality in fennel” This technology was recommended for the states of Rajasthan, Gujarat, Bihar and Uttar Pradesh during the XXXIV Annual Group meeting of AICRP on Spices at UHS campus, Bengaluru, Karnataka from 30 th October- 1 th November 2023.
4.	“PGRs and micronutrients for yield and quality improvement in Uttar Pradesh” from AICRP on (Forage Crops & Utilization) during <i>Rabi</i> 2023.
5.	“Cutting and Nitrogen Management of Double cut of Fodder Oat” from AICRP on (Forage Crops & Utilization) during <i>Kharif</i> 2023.

SEED PRODUCTION (KHARIF & RABI 2023-24)

Sl. No.	Crop	Seed Production Kharif 2023-24 (q/ha)			Seed Production Rabi 2023-24 (q/ha)		
		B/S	F/S	C/S	B/S	F/S	C/S
1	Rice	567.50	6176.00	-	-	-	-
2	Arhar	37.00	56.59	-	-	-	-
3	Wheat	-	-	-	188.5	3054.86	851.33
4	Mustard	-	-	-	-	64.50	130.18
5	Lentil	-	-	-	-	29.66	-
6	Chickpea	-	-	-	-	66.70	16.50
7	Pea	-	-	-	-	0.40	-



WAY FORWARDED/FUTURE PLAN:

1. Increasing crop productivity through genetic improvement and making available ample quality of quality seed of newly developed varieties to farmers for important crops like rice, wheat, chickpea, pigeon pea, pea, sesame, vegetables and seed spices.
2. Production of good quality planting materials of fruit crops, flowers and medicinal crops for distribution to farmers.
3. Exploring the untapped potential of kitchen gardening in the form of rooftops and backyards.
4. Research on high density panting, efficient canopy management, eco-friendly and integrated nutrient pest management, production, processing, storage and varietal improvement in Aonla, bael, ber crops.
5. Protected cultivation using net and poly house for cash crops, vegetables, medicinal plants and floriculture.
6. Research on integrated nutrient management using organic, inorganic and bio-fertilizers, appropriate irrigation/water conservation systems and production technology to minimize the input use and maximize its efficiency for sustainable agriculture under rainfed as well as irrigated conditions in the region.
7. Enhancing farmers' income through farm intensification, crop diversification and by reducing cost of cultivation.
8. Soil and water conservation through suitable water harvesting techniques and utilization of micro irrigation practices through computerized remote sensing technique.
9. Harnessing the potential of biotechnology for improving production through development of biotic and abiotic stress tolerant cultivars.
10. Development of mitigation strategies and climatic resilient varieties/technologies to reduce adverse impact of climatic change on agriculture, livestock production and allied sectors.
11. Developing technologies for reduction of post-harvest losses and value addition through processing. Reducing cost of cultivation and human drudgery through farm mechanization along with human safety and comfort.



DIRECTORATE OF EXTENSION

Dr. R.R. Singh, Additional Director Extension

The Extension Education activities of the University were started in June 1977 at the University headquarters. At present, the extension activities are being accomplished through headquarters, Krishi Vigyan Kendras and Krishi Gyan Kendras with the objectives of making provisions for the education of rural people of UP in agriculture, rural industry and allied subjects. To fulfil the above objectives, the Directorate of Extension has been equipped with the following functional units:

- Agricultural Technology Information Centre (ATIC) at University campus
- Twenty five Krishi Vigyan Kendras at Baharaich, Ballia, Basti, Mau, Varanasi, Siddharthnagar, Gorakhpur, Ayodhya, Sonbhadra, Maharajganj, Barabanki, Azamgarh, Balrampur, Chandauli, Jaunpur, Santkabirnagar, Ambedkar Nagar, Amethi, Gonda II, Bahraich II, Sultanpur II, Jaunpur II, Ghazipur II, Shrawasti and Azamgarh II.
- Four Krishi Gyan Kendras at Gonda, Ghazipur, Deoria and Amethi.
- Farm Advisory Services.
- Krishak Help Line Services (18001801551 Toll free and 05270-262056 ATIC)

AGRICULTURAL TECHNOLOGY INFORMATION CENTRE (ATIC)

Extension activities performed under ATIC

Sl No	Particulars	2022-2023	
		Qty	Amt.
E.	Publications sold		
E.1	Agril. Extension Literature	4200	38338
E.2	Krishi Diary	5000	625000
E.3	Purvanchal Kheti	12000	125000
3	INFORMATION PROVIDED TO FARMERS		
A.	Phone calls from farmers	363	
B.	Exhibitions conducted	05	
C.	Letters for farmers	54	
D.	Reply letters to farmers	54	
E.	Reply through WhatsApp	214	
F.	Visit of farmers to ATIC	4095	
1	TECHNOLOGY PRODUCTS SOLD TO END USERS		
A	Seeds		
A.1	Paddy (Q)	142.00	568000
A.2	Wheat	102.50	420250
B	Millets	2.00	
C	Fish sold	1.22	21960
2	SERVICES PROVIDED TO END USERS		
A.	Soil samples analysed	595	--
B.	Agri Clinics	878	--
C.	Animal clinics	328	--
D.	Advisory services	4227	--

Group of Farmers/ Farm Women, Trainees and Students visited ATIC during 2023 - 24

Sl. No.	Date	Group of Farmers/ Farm Women / Officers/ Trainees / Students visited through NGOs	Sponsored by	No. of visitors
1.	30.05.2023	Krishi Utthan Sewa Samiti, Ambedkarnagar	ATMA, Ambedkarnagar	25
2.	06.06.2023	Exposure visit to Environmental Institution and Sarathi Development (Good Practice) Foundation, Lucknow	Lucknow	30
3.	17.07.2023 to 24.08.2023	Soil Conservation Officer (MPKS) SHG farmers, Amethi	Amethi	1016



Sl. No.	Date	Group of Farmers/ Farm Women / Officers/ Trainees / Students visited through NGOs	Sponsored by	No. of visitors
4.	28.07.2023 & 04.08.2023	Yash Vidya Mandir (Students Educational Tour), Ayodhya	Amethi	71
	16.12.2023	Guru Nanak Mahila Mahavidyalaya (Students Educational Tour), Ayodhya	Ayodhya	12
	17.02.2024	Rajkiya Balika High School, Gorwal, Ayodhya (Education tour)	Ayodhya	31
	21.03.2024	PM Shri Kendriya Vidyalaya, Lucknow (Student Education Tour)	Lucknow	150
5.	25.09.2023, 19-21.10.2023, 13.02.2024, 16.02.2024, 21.02.2024, 02.03.2024	Shiva Krishi Takniki Sansthan, Basti	ATMA, Basti	430
6.	29.09.2023	Buddha Sarva Seva Sansthan, Gorakhpur	ATMA, Gorakhpur	105
7.	29.09.2023, 19-23.10.2023, 05.01.2024, 13.02.2024, 06.03.2024	Grameen Bal Vikas Sansthan, Balrampur	ATMA, Balrampur	477
8.	03.10.2023, 31-04.11.2023, 30.01.2024, 04.03.2024, 11.03.2024	Sarvodaya Grameen Seva Sansthan, Siddharthnagar	ATMA, Siddharthnagar	307
9.	09-11.10.2023	Grameen Mahila avm Bal Utthan Seva Samiti, Siddharthnagar	ATMA, Siddharthnagar	60
10.	01-03.11.2023	Om Gaura Sewa Samiti, Ballia	ATMA, Ballia	35
11.	04-08.11.2023, 19-23.12.2023, 04-08.12.2023	Kaushal Kishor Samaj Kalyan Sansthan, Deoria	Deoria	146
12.	08-11.11.2023	Bhawana Seva Sansthan	Gonda	60
13.	07-08.12.2023	Aga Khan Foundation	Bahraich	28
14.	08-12.12.2023	Saurabh Sewa Sansthan	ATMA, Santkabir Nagar	50
15.	11.12.2023	Deputy Director, Raibareilly	Raibareilly	40
16.	27.12.2023	Jag Prabha Trust	Bhadohi	28
17.	04-08.01.2024	Garib Utthan Sewa Sansthan, Azamgarh	Azamgarh	37
18.	31.01.2024	Krishi Vikas Sewa Sansthan	Pratapgarh	45
19.	07.02.2024, 08.02.2024, 08.02.2024, 09.02.2024, 09.02.2024	Deputy Director, Mau (Block Ranipur, Fatehpur Mandav, Mohammadabad, Ratanpura, Ratanpura, Badrao, Doharighat)	Mau	287



Sl. No.	Date	Group of Farmers/ Farm Women / Officers/ Trainees / Students visited through NGOs	Sponsored by	No. of visitors
20.	09.02.2024	Deputy Director, Sitapur	Sitapur	50
21.	10.02.2024	Deputy Director, Balrampur	Balrampur	60
22.	10.02.2024	Deputy Director, Azamgarh (Block Palhani)	Azamgarh	55
23.	13.02.2024	Tarai Environment Awareness Samiti, Balrampur	Balrampur	64
24.	16.02.2024	Bhoomi Jan Kalyan Samiti, Pratapgarh	NABARD, Pratapgarh	25
25.	20.02.2024	Nari Vikas Sewa Sansthan, Kushinagar	Kushinagar	172
26.	26.02.2024	Aaroh Foundation, HRDP, Siddharthnagar	Siddharthnagar	42
27.	29.02.2024	Deputy Director, Fatehpur		57
28.	29.02.2024	Karyalaya Pariyojna Sanchalak Kisan Kalyan tatha Krishi Vikas, Panna	Madhya Pradesh	20
29.	07.03.2024	Astha Vikas Sansthan (Millets Training)	Ayodhya	50
30.	11.03.2024	Hari Om Sewa Sansthan, Varanasi	Varanasi	100
31.	13.03.2024	Karyalaya Pariyojna Sanchalak Kisan Kalyan avm Krishi Vikas, Ashok Nagar	Madhya Pradesh	07
		Total no. of farmers visited at ATIC		4245
		Total no. of farmers who trained at ATIC		3868
		Total no. of farmers visited		4245

PUBLICATION OF EXTENSION LITERATURE

Literature in the form of technical bulletins, Krishi dairy, pamphlets, handout, package of practices based books on different crops and allied activity have been published and are being utilized for dissemination of agricultural technology. A popular hindi monthly magazine “*PURVANCHAL KHETT*” is published under this service, which consists popular articles on various aspects by the scientists of different disciplines viz; crop production, horticulture, animal husbandry, beekeeping, fisheries, poultry, piggeries home science etc. In addition to this a quarterly bulletin namely “*Narendra Prasar Jyoti*” has been started publishing during the year.

Training programmes:

S.No.	Title of training programme	Date	Participants	Number of participants
1.	Office Management/ Public Finance Management System (PFMS)	18.03.2024	Subject Matter Specialist/ Office Superintendent	38
2.	Protected Cultivation/ Farming for Income Generation	19.03.2024	Subject Matter Specialist	25
3.	Organic/Natural Farming	21.03.2024	Subject Matter Specialist	28
4.	Millet Cultivation, Value Addition, Market Linkage for Nutritious Diet and Income Improvement	22.03.2024	Subject Matter Specialist	32
5.	Soil Health and Nutrient Management	23.03.2024	Subject Matter Specialist	29

List of technical bulletins published during 2023-24.

- झैगन फल की खेती
- स्ट्राबेरी की खेती
- सब्जी की वैज्ञानिक खेती

HUMAN RESOURCE DEVELOPMENT/ TRAINING OF TRAINERS

Directorate organized five HRD/Trainers training at headquarter during the current financial year. The details of training are depicted in table.



HRD Training on Office Management/PFMS (18.03.2024)



HRD Training on Millet Cultivation, Value Addition, Market Linkage for Nutritious Diet and Income Improvement (22.03.2024)



HRD Training on Protected Cultivation Farming for Income Generation (19.03.2024)



Certificate distribution during HRD Training on Soil Health and Nutrient Management (23.03.2024)

WORKSHOP/GROUP MEETINGS ORGANIZED

The Directorate of Extension also organized the group and review meeting programmes during the financial year.

Workshop/Meetings organized during the year

S.No.	Title of programme	Date	Participants	No. of participants
1.	Online review meeting of <i>rabi</i> harvest and <i>kharif</i> planning alongwith other projects	17.05.2023	Sr. Sci & Heads, SMSs, Farm Manager	55
2.	Online review meeting of all projects review meet	01.06.2023	Sr. Sci & Heads, SMSs	189
3.	Online presentation of annual progress reports for Annual Zonal Workshop	20.06.2023	Sr. Sci & Heads, SMSs	52
4.	Online review meeting on the preparation of plantation on Van Mahotsava - 2023	18.07.2023	Sr. Sci & Heads, SMSs	74
5.	Online review meeting on the preparation of <i>rabi</i> seed production programme - 2023-24	02.09.2023	Sr. Sci & Heads, SMSs, Farm Manager	115
6.	Online Review meeting of Kisan mela	04.10.2023	Sr. Sci & Heads, SMSs	46
7.	Review meeting of KVKs regarding the Annual Action Plan - 2024	25-26.10.2023	Sr. Sci & Heads, SMSs	54
8.	SMSs Progress review meeting	04.11.2023	SMSs	132
9.	Review meeting of KVKs regarding the submission of Annual Progress Report - 2023	10.01.2024	Sr. Sci & Heads, SMSs	53
10.	Online Review meeting of All Projects of KVKs	29.02.2024	Sr. Sci & Heads, SMSs	51
11.	Online Review meeting of All Projects of KVKs	04.03.2024	Sr. Sci & Heads, SMSs	38
12.	Online Review meeting of All Projects Review Meet – Budget & Expenditure	15.03.2024	Senior Scientists, SMSs, OS	80
13.	Online Review meeting of All Projects of KVKs	27.03.2024	Sr. Sci & Heads, SMSs	43



KRISHI VIGYAN KENDRA

Characterization and thrust areas of different Agro-climatic zones of eastern UP

Agro-climatic Zone/ KVKs	Characteristics	Thrust Areas
NEPZ (Bahraich, Basti, Siddharthnagar, Gorakhpur, Mahrajganj, Balrampur, Sant kabirnagar, Bahraich II, Gonda II, Shravasti)	- Flood prone, water logged, deep alluvium, Zn, S&B deficient & calcareous soils - Rice-wheat dominant system - Rainfall 1200 mm	- Management of lowland/ flood prone areas - Intensive/multiple cropping - Diversification of the existing cropping system. - Integrated farming systems - Promotion for mango, banana and litchi - Fishery & poultry
EPZ (Mau, Ballia, Varanasi, Faizabad, Azamgarh, Barabanki, Jaunpur, Chandauli, Ambedkarnagar, Amethi, Sultanpur II, Jaunpur II, Ghazipur II, Azamgarh II)	- Light alluvial, sodicity, Zn, S & Fe deficiency in soils - Rice-wheat dominant system - Rainfall 1050 mm	- Management of sodic soils - Integrated farming - Intensification & diversification of cropping system - Livestock management. - Promotion for aonla cultivation - Encouragement for hybrid vegetable production - Fish-culture
VZ (Sonbhadra)	- Stress situation - Erratic rainfall - Clay & red laterite soil - Undulated topography with bushy forest cover - Rainfall 850 mm	- Rainfed farming - Water harvesting & watershed management - Management of rocky & undulated land - Agro-forestry and medicinal plants - Utilization of tribals' potential

a. ON FARM TESTING (OFTS) OF TECHNOLOGIES

Details of thematic area wise technologies assessed in OFTs by KVKs

Thematic Area	No. of Technologies	No. of Trials	No. of KVKs
Crops			
Integrated Nutrient Management (INM)	37	195	15
Varietal Evaluation	64	315	23
Integrated Pest Management (IPM)	39	135	18
Integrated crop management (ICM)	13	56	09
Integrated disease management (IDM)	18	108	14
Weed Management	26	145	14
Integrated Farming system (IFS)	1	5	1
Farm Mechanization (FM)	4	18	2
Drudgery reduction (DR)	5	30	5
Resource conservation Technology (RCT)	13	71	9
Storage Technology (ST)	2	15	2
Total	222	1093	
Livestock			
Disease Management	5	33	5
Feed and Fodder management	3	21	3
Nutrition Management	11	93	9
Production and Management	3	13	3
Composite fish culture	3	16	3
Dairy Management	5	34	5
Total	30	210	
Enterprises			
House hold food security	5	19	5
Value Addition	6	72	6
Nutritional Gardening	3	27	3
Total	14	118	
Grand Total	266	1421	



OFT on direct seeding of paddy through super seeder : KVK Mau

b. FRONTLINE DEMONSTRATIONS

Frontline Demonstrations were organized by the KVKs to demonstrate the production potential of crop varieties, crop and animal husbandry technologies and agricultural implements at several location-specific farming and agro-ecological situations. Training programmes and field days were organized for extension workers and farmers for rapid dissemination of improved technologies.

A total of 11828 demonstrations were conducted in 2885.73 ha on field crops, horticultural crops, tools and implements and livestock by KVKs.

Achievements of FLD during 2023 – 24

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Pulses	3430	1143.20	
Oilseeds	1303	475.97	
Cereals	2606	990.35	
Vegetables	598	46.81	
Other crops	906	97.90	
Farm implements	336	131.50	
Total	9179	2885.73	
Livestock & Fisheries	333		1163
Other enterprises	778		850
Women enterprise	1538		1538
Total	2649		3551
Grand Total	11828	2885.73	3551



OFT on early nursery raising technique of cauliflower : KVK Bahraich II



FLD on Shri Anna at farmer's field : KVK Sultanpur



Input distribution to poultry growers under ScSP FLD programme : KVK Sonbhadra

TRAININGS by KVKs

During the reporting period, KVKs conducted 3487 training programmes to 84660 beneficiaries including farmers, rural

Details of client wise training programmes organized by KVKs

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	2487	45118	12797	57915
Rural youths	421	7692	2038	9730
Extension functionaries	251	5073	793	5866
Sponsored Training	125	5532	1054	6586
Vocational Training	203	3820	743	4563
Total	3487	67235	17425	84660



ASCI Training (21 days) on Backyard Poultry : KVK Jaunpur I



Skill Oriented Training (21 days) on Gardener Training : KVK Bahraich I



Hon'ble Vice Chancellor distributed certificate to fisheries farmer : KVK Ayodhya

EXTENSION ACTIVITIES BY KVKs

KVKs in the zone engaged in a number of extension programmes and activities in 2023-24. The KVKs utilised modern technological advancements such as ICT in addition to traditional media of technology dissemination to reach out to the unreached. The efforts put by the KVKs during the period to disseminate the improved farming technologies by exploiting over nineteen types of possible extension approaches suitable for the region. KVKs organized 1532 extension activities for creating awareness about latest improved agricultural technologies in which 582329 farmers and 45359 Extension Personnel participated and benefited. The extension activities included advisory services, exposure visits, animal health camps, technology week, group discussions, method demonstrations, soil health camps, Kisan mela, Kisan goshti etc. The highest activities (162) were undertaken as part of kisan goshties, while the most beneficiaries (210232) were addressed through various mass outreach programmes like Kisan mela, advisory services etc.

Details of Extension Activities organized by KVKs

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL (farmer + Extn Personnel)	No. of KVKs
Advisory Services	138	102342	2361	104703	25
Diagnostic visits	94	10213	568	10781	25
Field Day	114	7112	343	7455	25
Group discussions	79	4581	368	4949	23
Kisan Goshthi	162	54380	2005	56385	25
Film Show	28	3516	178	3694	11
Self - help groups	54	2520	138	2658	20
Kisan Mela	88	189420	20812	210232	23
Exhibition	84	132193	13410	145603	25



Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL (farmer + Extn Personnel)	No. of KVKs
Scientists' visit to farmers field	151	18112	1220	19332	25
Plant/animal health camps	34	3516	536	4052	18
Farm Science Club	11	375	13	388	6
Ex-trainees Sammelan	42	1640	86	1726	17
Farmers' seminar/workshop	39	4550	200	4750	15
Method Demonstrations	84	4169	258	4427	21
Celebration of important days	87	13492	618	14110	25
Special day celebration	102	9636	765	10401	25
Exposure visits	80	3783	243	4026	22
Others	61	16779	1237	18016	17
Total	1532	582329	45359	627688	25



Hon'ble Governor visited KVK Azamgarh stall during visit at College of Azamgarh campus



Vice Chancellor delivering lecture during Kisan Mela on 16 March, 2024 at KVK Barabanki under SCSP programme

Other Extension Activities by KVKs

To a large extent, mass media serves as a veritable instrument for information dissemination in agriculture. Agricultural extension/information delivery is precisely a process of communication of improved skills, practices, innovations, technologies

and knowledge to farmers. For the purpose, KVKs has organized other extension activities major activities like electronic media, extension literature, news paper coverage, popular articles, radio talks and TV talks. Animal treatments through health camps were also performed.

Details of Other Extension Activities organized by KVKs

Particulars	Number	No. of KVKs
Electronic Media (CD./DVD)	62	8
Extension Literature	12323	20
News paper coverage	2244	25
Popular articles	358	25
Radio Talks	95	21
TV Talks	52	17
Animal health camps (Number of animals treated)	394	12
Others	78	7
Total	15606	



Hon'ble Vice Chancellor facilitated progressive farmers during Kisan Samman Diwas (23.12.2023)

CRITICAL TECHNOLOGY PRODUCTS

KVKs produce seed of improved varieties/ hybrids of crops, planting materials of selected material of plant species, bio products, improved livestock breeds and species to provide them to the farmers thereby facilitating rapid technology transfer.

Seed, Planting material, Bio-products and bio-agents, Livestock Species

KVKs produced and supplied 4811.19 quintals of seed of cereals and millets, 137.90 quintals of oilseeds, 316.47 quintals of pulses, 237.63 quintals of vegetables and commercial crop seeds were produced and Rs 207,17,615 revenue generated. Planting materials including vegetable seedlings (991686), fodder slips (78095), saplings of fruit trees (17590), flowers and ornamental plants (55570), forestry and plantation crops (19188), etc., totalling 1179329 seedlings were supplied to 15238 farmers. A total of 48626 kg of bio fertilizers, 3351 kg of bio pesticides and 584 kg of bio-inputs including vermicompost were produced supplied to 968 farmers. A total of 2709 livestock species, comprising of 2000 poultry chicks, 555 goat, 154 ducks and 11113 fingerlings were produced and provided to 376 farmers.

Production and supply of seeds, planting material, bio-products and livestock

Category	Quintal/Number	Value Rs.
Seed (q)	5503.02	20717615.25
Planting material (No.)	1179329	2375304.00
Bio-Products (kg)	52562.20	660295.00
Livestock Production (No.)	2709	293400.00
Fishery production (No.)	11113	188390.00

HYDROPONIC UNIT ESTABLISHED

The university is leading the sustainability movement with unique initiatives on its campuses. University inaugurated its first Hydroponic Farm of soil-less cultivation for urban areas at campus on 08th November 2023 promoting sustainable cultivation of vegetables and fodders using less water and artificial lighting. The project has been initiated under Technology Park with the financial assistantship of Rashtriya Krishi Vikas Yojana (RKVY). The Hydroponic farm on the university campus was inaugurated by Hon'ble Minister for Agriculture, Agriculture Education and Research Shri Surya Pratap Shahi Ji along with Vice Chancellor Dr. Bijendra Singh, Additional Director Extension and PI of Technology Park project Dr. R.R. Singh, College Deans, and Directors of the university also graced the occasion.



Hon'ble Agriculture Minister Shri Surya Pratap Shahi; Vice Chancellor Bijendra Singh; ADE & PI of project Dr. R.R. Singh, and Deans & Directors visited the hydroponic unit and viewed the leafy vegetables grown under the system

FLAGSHIP EXTENSION PROGRAMMES:

Kisan Melas

A two day State level Agriculture Fair and Technological Exhibition was organized by the University during **10 to 11 October, 2023** at main campus. The theme of agriculture fair was "**Crop Residue Management**". The Agriculture Fair had more than 80 stalls with exhibits on various agriculture technologies, selling improved seeds, contests for farmers, and so on. The fair was attended by more than 18,000 farmers from all 25 districts of eastern Uttar Pradesh and districts of central and western parts of the state, including farmers associated with ATMA/FPOs/NGOs/ KVK/Kisan Club. On the first day, Kisan Mela was inaugurated by chief guest Hon'ble Shri Sanjeev Balyan, Minister of State for Fisheries, Animal Husbandry and Dairying, Government of India in the presence of special guest

Organizations of Kisan Melas at head quarter and KVKs

S.No.	Kisan Mela	Date	Organized by	No. of participants
1.	State level Kisan Mela (01)	10-11 Oct, 2023	Directorate of Extension	18500
2.	Kisan Mela (01)	01-02 Nov 2023	KVK Sonbhadra	3250
3.	CRM Mela (01)	08 Nov, 2023	KVK Siddharthnagar	1400
4.	CRM Mela (01)	10 Nov, 2023	KVK Bahraich I	1100
5.	Kisan Mela (01)	15 Nov, 2023	KVK Amethi	4000
6.	CRM Kisan Mela (01)	22 Dec, 2023	KVK Bahraich II	3000
7.	ScSP Kisan Mela (01)	12 Mar, 2024	KVK Chandauli	1150
8.	ScSP Kisan Mela (01)	14 Mar, 2024	KVK Azamgarh I	1500
9.	ScSP Kisan Mela (01)	16 Mar, 2024	KVK Barabanki	1800

Shri Ram Chandra Yadav, MLA and Board of Management member of the University and Dr. Sanjay Singh, Director, UPCAR, Lucknow. During the Mela, crop-cum-vegetable show was also organized. In the crop show, a display of more than 100 entries of different seasonal vegetables, cereals and fruits received from the farmers were organized. The panel of judges evaluated the entries for giving prizes under each entry. On the second day, an animal exhibition and Kisan Goshthi were organized. Apart from the farmers, a huge crowd of animal lovers was present at the animal exhibition. After the animal exhibition, a farmer's goshthi was organized, the theme of which was "Increasing youth's attachment to agriculture". Additional Chief Secretary Dr. Devesh Chaturvedi and

distinguished guest Dr. Sanjay Singh, DG, UPCAR, Lucknow was the chief guest on the occasion of the conclusion of Kisan Mela. The minister also honoured 30 progressive farmers as well as those who set up 80 stalls. Fifteen farmers delivered talk on innovative approaches adopted by them successfully. Approximately 4000 students of schools and colleges, scientists and local resident from the university participated in the event.

Beside this, several Kisan Melas were also organized at Krishi Vigyan Kendras under special programmes like 03 Kisan Melas at districts having CRM projects, 03 Kisan Melas under SCSP projects. In total, nine Kisan Melas were conducted at different districts of eastern Uttar Pradesh.

Glimpse of State-level Rabi Kisan Mela on 10 – 11 October, 2023



Hon'ble Min. of State, Fisheries & Dairying, Govt of India Shri Sanjeev Balyan; MLA & BoM member Shri R.C. Yadav; Vice Chancellor, and DG UPCAR Lucknow inaugurated State level Rabi Kisan Mela (10-11 October 2023)



Hon'ble Min. of State, Fisheries & Dairying, Govt of India and Vice Chancellor with other dignitaries pouring water in Kalash symbolism of water conservation campaign



Glimpse of State-level Rabi Kisan Mela on 10 – 11 October, 2023



Dignitaries releasing technical booklet during the Kisan Mela



Hon'ble Minister, MLA & BoM member with other dignitaries visited exhibition organized during State level mela



Hon'ble Minister of State delivering inaugural talk to participating farmers, farm women, students and scientists



Progressive farmers with remarkable achievements in the field of agriculture felicitated by Hon'ble Minister of State, Govt of India



Additional Chief Secretary Dr. Devesh Chaturvedi delivering lecture during Kisan Mela on 11 Oct., 2023



Hon'ble Vice Chancellor & DG UPCAR, Lucknow chaired the kisan goshthi session during Kisan Mela on 11 Oct, 2023



Kisan Mela organized at KVK



Virat Kisan Mela (13-16.09.2023): KVK Jaunpur 1



Kisan Mela (01-02.11.2023): KVK Sonbhadra

AWARENESS / SOCIAL PROGRAMMES

a. Mission Life Style for Environment (LiFE) - 2023

Directorate and Krishi Vigyan Kendras organized activities for advocacy and awareness about Mission LiFE. The indicative or illustrative actions to promote LiFE actions in agriculture were also suggested. ICAR was also one of the important participating organizations in the events involving all ATARIs and their associated KVKs under the Agricultural Extension Division of ICAR during month of May and June 2023. An



additional mega event was also organized on 5th June 2023 on the eve of “World Environment Day” at NASC Complex, New Delhi in which some identified ATARIs/KVKs were also invited. In this regard, Krishi Vigyan Kendras organized different activities (as per the Plan of Action for Mission LiFE). These activities were started from 3rd Week of May and ended First Week of June (end on 5th June, 2023) needed to include organizing farmers' goshthi, field visits, organized location specific exhibitions, etc., enhanced awareness on Mission LiFE among farmers and other population of rural and peri-urban areas. The day to day activities uploaded on the Meri LiFE portal with 5 pics for each event and 3 videos of 45 seconds each per event (www.merilife.org) and social media handles.

Mission LiFE Activities Organized by the KVKs

LiFE Activity/ Theme Proposed	Duration	Number of KVKs organized	Number of activities	Number of Beneficiaries
Campaign on Soil Health Management	3rd Week of May	1 Activities by each KVK	25	1450
Awareness and Demonstration of Drone application in agriculture (Reduction in use of Chemicals & Fertilizers)	4 th Week of May	1 Activity by each KVK	25	1410
Workshop on Promotion of Climate Resilient/Smart Agriculture	5 th week of May	1 Activities by each KVK	25	1375
Creating awareness for rainwater harvesting and its efficient use (Catch the Rain)	1 st week of June	1 Activities by each KVK	25	1540
Exhibition-cum-workshop on Organic and Natural Farming	1 st week of June	1 activity by each KVK	25	1440
Tree planting: World Environment Day	5 th June	1 Activity by each KVK	25	1560



Kisan Goshthi organized by KVK Sultanpur II under Mission LiFE programme

b. National Campaign on Meri Mati – Mera Desh

The Meri Mati – Mera Desh campaign, unveiled by Prime Minister Shri Narendra Modi Ji during the 103rd edition of Mann Ki Baat on July 30, is a central part of India's 77th Independence Day celebrations, aligning with the Azaadi Ka Amrit Mahotsav programme. This campaign holds the essence of honouring the nation's achievements, emphasizing 'Jan Bhagidari' through a series of events at various levels, and commemorating the valor of the country. This includes dedication of **Shilaphalakam**: installation of the nameplate of Veers; taking the **Panch Pran Pledge**; **Vasudha Vandan**: Creation of Amrit Vatika with **75 saplings** of indigenous trees; **Veeron Ka Vandan**: Honouring freedom fighters/braves; and, **Hoisting of the National Flag** and singing of the National Anthem. This campaign was promoted through 'Jan Bhagidari' by conducting different programmes and events at village, panchayat, block, urban, local body, state and national levels. All the KVKs under the jurisdiction of the University have successfully celebrated 'Meri Maati Mera Desh' campaign under *Azadi Ka Amrut*



Honoured 05 families of martyrs in district Sultanpur under Meri Mati Mera Desh

Mahotsava programme from 09.08.2023 to 30.08.2023. 'Har Ghar Tiranga' campaign organized under the aegis of 'Azadi Ka Amrut Mahotsava' to encourage people to hoist the tricolor flag at their homes to mark the 76th year of India's independence. This campaign organized at each KVKs from 13.08.2023 to 15.08.2023 to inculcate the feeling of patriotism in the hearts of people and to increase our commitment to nation-building.

c. Campaign on Van Mahotsava and Tree Plantation

State Government celebrated Van Mahotsava on July 22, starting with an annual plantation drive aiming at planting 35 crore saplings this year and a total of 175 crore saplings in five years. To increase the total green area of the state from 9% at present to 15% by 2026-27, 175 crore saplings will have to be planted and protected in the next five years. This year, plantation was done with the spirit of '*Mata Bhoomi Putro Aham Prithivya*' (the earth is my mother I am her child). State Government-led Campaign on Van Mahotsava and Tree Plantation was organized by the University along with its constituent colleges and Krishi Vigyan Kendras (KVKs) from 22 July 2023 to 15 August 2023. The Hon'ble Minister of Agriculture, Agriculture Education and Agriculture Research, Government of Uttar Pradesh Shri Surya Pratap Shahi Ji visited the main campus and planted mango trees symbolically starting the campaign on 22 July 2023. On the same day, he also visited KVK Amethi along with other dignitaries and the Hon'ble Vice Chancellor and planted fruit saplings to begin the Van Mahotsava campaign. Under the Van Mahotsava programme till 15th August, all KVKs under the jurisdiction of the University planted fruits and ornamental saplings, in totality a total of 1,11,850 saplings were planted under the Van Mahotsava programme.



Hon'ble Agriculture Minister Shri Surya Pratap Shahi Ji planted Harishankari at KVK Amethi on 22.07.2023



d. A live webcast of release of installment of PM KISAN

University and all Krishi Vigyan Kendra organized a live webcast of the Prime Minister Kisan Samman Nidhi released programme on 28th July 2023. All of the gatherings at the University headquarter and KVKs listened to the lectures of Prime Minister Shri Narendra Modi Ji and other dignitaries. More than 500 farmers and farm women in each district of eastern Uttar Pradesh viewed the live telecast of the programme through Krishi Vigyan Kendras. Each KVK also organized Krishak goshthies and interaction programmes for the farming community and briefed various schemes implemented for doubling the income of the farmers. Farmers expressed happiness over the experience of attending the event via live telecast.

e. Sankalp Sapath programme organized in Aspirational Block

Prime Minister Narendra Modi launched a unique week-long programme for Aspirational Blocks in the country called 'Sankalp Saptaah' at Bharat Mandapam, New Delhi on 30th September, 2023. All the KVKs under jurisdiction organized a live webcast of the Prime Minister programme of the 'Sankalp Saptaah' at Bharat Mandapam, New Delhi on 30th September, 2023. More than 4000 farmers and farm women viewed the live programme.



Live webcast of Sankalp Sapath programme of Prime Minister at KVK Santkabir Nagar on 30.09.2023

f. Vikas Bharat Sankalp Yatra Programme

Vikas Bharat Sankalp Yatra Programme to raise awareness through outreach activities and various welfare schemes launched by the Government of India from November 22, 2023 to January 26, 2024 in more than 2.60 lakh villages across the country. Krishi Vigyan Kendras participated in Viksit Bharat Sankalp Yatra and created awareness about the various development activities in agriculture and allied sector. Scientists of KVKs and representatives of the line

department elaborated on all centrally sponsored schemes. The natural farming practices were explained by the KVK officials. Leaflets, brochures, booklets, calendars, caps, T-shirts, and badges were distributed to the public to create awareness. Furthermore, as a part of the event, IFFCO showcased the application of nano-fertilizer spraying using drone technology to benefit farmers.



Minister of State for Agriculture and Farmers' Welfare, Minister of State for Food Processing Industries Km Shobha Karandlaje with Addl Director Extension participated in VBSY programme at Ayodhya

PARTICIPATION IN GOVERNMENT/ INSTITUTE FLAGSHIP PROGRAMME

- Directorate and Krishi Vigyan Kendra Basti, Gorakhpur, Mahrajganj and Siddharthnagar participated and exhibited technologies through stall in **Kisan Mela** organized at **Mahayogi Gorakhnath Krishi Vigyan Kendra, Chaukmafi, Gorakhpur** on 03 October 2023. The Hon'ble Chief Minister, Government of UP Yogi Aditya Nath Ji was the chief guest of the function. The Cabinet Minister of Agriculture, Agriculture Education and Agriculture Research, Government of UP Shri Surya Pratap Shahi Ji, Additional Chief Secretary, DDG Extension ICAR and Director ATARI, Kanpur were the other dignitaries visited the stalls of KVKs.
- Directorate and Krishi Vigyan Kendras scientists participated in **State level Rabi Utpadakta Goshthi – 2023 and Mandaliya Rabi Utpadakta Goshthi, Lucknow** at Marsh Auditorium, Indira Gandhi Pratishthan, Lucknow on 06th October 2023. Krishi Vigyan Kendra also exhibited technologies related to millets and crop residue management through stalls and scientists delivered lectures during the *Krishak goshthi*.



- KVKs of the eastern plain zone participated in **Mid Term Review Workshop (Action-Plan Meeting) of KVKs at ICAR-ATARI, Kanpur** on 12th – 13th October 2023 to finalize the Action Plan for the year (Jan-Dec, 2024), a summary of achievements of mandated activities and the other flagship programmes of ICAR (2023), results of CFLD on pulses and oilseeds (2022-23) and the action plan for forthcoming *rabi*, summer, and *kharif* seasons (Jan-Dec 2024) and detailed focused results of TSP/KSHAMTA, CRM, Natural farming, Recipe contest, skill development training, ARYA, Drone application, NARI, VATIKA, Swachhta mission, and all other new and flagship programmes of ICAR which have been implemented by KVKs during the period (Jan-Sept, 2023).



KVK Varanasi awarded best presentation award during the Annual Workshop of KVKs

- Directorate and Krishi Vigyan Kendra Basti, Gorakhpur and Mahrajganj participated in **Regional Kisan Mela** and exhibited technologies through stall organized by State Dept of Agriculture at **Pathardeva, Deoria** on 18 October 2023. The Hon'ble Minister of Agriculture, Agriculture Education and Agriculture Research, Government of Uttar Pradesh Shri Surya Pratap Shahi Ji was the chief guest of the occasion.



Hon'ble Minister for Agriculture, Agriculture Education and Research Sh. Surya Pratap Shahi visited KVK Gorakhpur exhibits in Kisan Mela at Pathardeva, Deoria on 18.10.2023

- KVKs organized '**Parali Prabandhan Chetna Yatra**' under an in-situ crop residue management project to curb the practice of paddy residue burning during the month. KVKs also urged the farmers to adopt various approaches for paddy stubble management as recommended by the university and ICAR; to create better opportunities in agriculture, and highlighted the potential of agriculture for both farmers' prosperity and ecological sustainability.



Parali Prabandhan Chetna Yatra organized at KVK Varanasi on 18.10.2023

- University and KVKs participated in the **State level Shree Anna Mahotsava** on the occasion of **34th Foundation Day of UPCAR, Lucknow** organized at Indira Gandhi Pratishthan, Lucknow from 27-29 October 2023. College of Community Science, and Krishi Vigyan Kendra Barabanki, Amethi, and Ayodhya displayed technological exhibits and depicted millets production technology and millets value added products during the exhibition. During the Mahotsava, College of Community Science was awarded **first prize** and Krishi Vigyan Kendra Barabanki awarded **second prize** for the exhibits displayed during the exhibition. During



Hon'ble Agriculture Minister awarded Outstanding Award to KVK Siddharthnagar for outstanding work in the field of millets from UPCAR, Lucknow



the Foundation Day ceremony of UPCAR, Lucknow, Krishi Vigyan Kendra Ayodhya, Barabanki, Gorakhpur, Mahrajganj, Siddharthnagar, and Varanasi received the **Outstanding Award** for outstanding work in the field of millets and agricultural dimension from UPCAR, Lucknow.

- National Seminar on Recent Approaches for production & Value Addition of Millets (Shree Anna) in Changing Climate Scenario were organized by U.P. Council of Agricultural Research, Lucknow and Department of Agriculture, IIAST, Integral University, Lucknow at Central Auditorium, Integral University, Lucknow on 29 September 2023. Krishi Vigyan Kendra Bahraich and Amethi participated in the seminar and also exhibit millet technologies to the delegates. **KVK Bahraich** and **KVK Amethi** received the **Outstanding Award** for outstanding work in the field of millets production and dissemination.



KVK Bahraich exhibit millet technologies during National Seminar at Integral University on 29.09.2023



KVK Bahraich awarded Outstanding Award during the National Seminar

VISIT OF DIGNITARIES TO KVKs AND ITS EXHIBITS

a. Croatian delegation on a visit to KVK barabanki

A four-member delegation from the University

of Zagreb, Croatia visited Krishi Vigyan Kendra, Barabanki on 17th July 2023 to review the methods and tools of dissemination of frontier technologies to the farming community. The delegation from the University of Zagreb comprises Prof. Ivica Kiscic, Dean of the Faculty of Agriculture, Associate Professor Klaudija Carovic-Stanko, Vice Dean for Science and Infrastructure, Associate professor Kristina Kljak, Vice Dean for International and Inter-institutional Cooperation and Dean's wife Mrs. Marinika Kiscic. The delegation interacted with Dr. Bijendra Singh, Vice Chancellor, ANDUAT and Senior Scientist & Head of KVK Barabanki, scientists and farmers of the district. The team was impressed with a diverse range of technological units established at KVK like Integrated farming and crop diversification, tools of natural farming, protected cultivation, mother orchards, mango orchard, goatry, poultry, and fish farming models.



Delegates of the University of Zagreb, Croatia along with Vice Chancellor Dr. Bijendra Singh interacted with farmers during Scientist Farmer Interaction programme on 17.07.2023

b. Visit by Hon'ble Governor and Chancellor of University Smt. Anandiben Patel ji.



Hon'ble Governor and Chancellor of University visited KVK and COA Kotwa Azamgarh on 23.06.2023



Hon'ble Governor and Chancellor of University visited the stall of KVK Ambedkar Nagar along with other dignitaries at district headquarter on 05.09.2023

c. Visit by Honourable Ministers



Hon'ble Minister of Agriculture, Govt of UP inaugurated Integrated Fish Farming unit at KVK Jaunpur I on 21.08. 2023



Minister of State for Agriculture and Farmers' Welfare, Minister of State for Food Processing Industries Km Shobha Karandlaje with Hon'ble Vice Chancellor visited progressive farmers stall at KVK Ayodhya

d. Visit by other reputed personalities.



Chancellor of RLBCAU, Jhansi and the president of FAARD Foundation, Dr. Punjab Singh as chief guest in a kisan goshthi at KVK Chandauli on 22.10.2023



Chief Secretary, Govt of UP, Shri Durga Shanker Mishra visited exhibits of KVK Ayodhya at Indira Gandhi Pratishthan, Lucknow on 28.10.2023



Vice Chancellor of Vasant Rao Naik Marathwada Krishi Vidyapeeth Prabhani, Maharashtra Dr. Indra Mani Mishra visited KVK Sultanpur II premise on 01.11.2023



Vice Chancellor RLBCAU, Jhansi Dr. A.K. Singh and Vice Chancellor Integral University Prof Javed Musarrat visited KVK Bahraich exhibits at Integral University, Lucknow on 29.09.2023



DDG Extension ICAR Dr. U.S. Gautam visited KVK Varanasi exhibits at KVK Sonbhadra on 01.11.2023



ICAR-CRIDA, Hyderabad Principal Scientist & PI NICRA, Dr. A. Srinivasan visited KVK Gorakhpur on 30.10.2023



Former Director ICAR-NIASM, Baramati, Maharashtra Dr. Narendra Pratap Singh visited KVK Mau on 27.10.2023



STUDENTS AMENITIES

The total strength of the students on roll in the university is around twenty seven hundreds. Basic amenities like hostel, cooperative mess, canteens, sports complex, medical facilities etc. have been provided to all the students residing at main and away

campus. A Dean Students Welfare monitors the interest of the students. The University provides all encouragement to the students for personality development, sports, cultural programme, competitive exams.

STUDENT'S PROFILE

Students Admission in Academic Year 2023-24 in the University

S. N.	Name of College	Number of Students				
			Bachelor's	Master's	Ph.D.	Total
1	College of Agriculture (Main Campus, Gonda & Azamgarh)	Intake Ist Year	394	282	80	756
		Enrolled Ist Year	341	230	57	628
2	College of Horticulture & Forestry	Intake Ist Year	110	74	25	209
		Enrolled Ist Year	98	68	21	187
3	College of Community Science	Intake Ist Year	83	17	08	108
		Enrolled Ist Year	20	03	06	29
4	College of Fisheries	Intake Ist Year	39	22	06	67
		Enrolled Ist Year	34	17	04	55
5	College of Veterinary Science & Animal Husbandry	Intake Ist Year	80	84	50	214
		Enrolled Ist Year	76	34	13	123
6	College of Agricultural Engineering & Technology	Intake Ist Year	155	35	12	202
		Enrolled Ist Year	25	10	07	42

Category wise number of students in the university admitted in the year 2023-24

Degree Programme	Number of students in different categories						
	SC	ST	OBC	EWS	General (UR)	Foreigner	Total
Bachelors	133	13	237	63	147	01	594
Master's	59	10	131	69	97	01	367
Ph.D.	22	01	47	05	33	05	113
Total	214	24	411	137	277	07	1074

Gender Pattern amongst students Enrolled in the University during 2023-24

S. no.	Name of College	Sex	Total numbers students including 1 st , 2 nd , 3 rd , 4 th , 5 th , 6 th year) as applicable			
			Bachelor's	Master's	Ph.D	Total
1	College of Agriculture (Main Campus, Gonda & Azamgarh)	Male	785	325	106	1116
		Female	152	91	40	273
		Total	937	416	146	1499



S. no.	Name of College	Sex	Total numbers students including 1 st ,2 nd ,3 rd ,4 th ,5 th ,6 th year) as applicable			
			Bachelor's	Master's	Ph.D	Total
2	College of Horticulture & Forestry	Male	247	86	42	375
		Female	49	37	10	96
		Total	296	123	52	471
3	College of Community Science	Male	06	01	-	07
		Female	44	05	10	59
		Total	50	06	10	66
4	College of Fisheries	Male	81	24	04	109
		Female	17	-	-	17
		Total	98	24	04	126
5	College of Veterinary Science & Animal Husbandry	Male	251	41	19	311
		Female	67	17	03	87
		Total	318	58	22	398
6	College of Agricultural Engineering & Technology	Male	77	15	07	99
		Female	15	02	-	17
		Total	92	17	07	106

Convocation Held

25th Convocation of the University was held on 30th November, 2023. On this Occasion, Shri. Surya Pratap Shahi ji, Minister of Agriculture, Agricultural Education and Agricultural Research was the Chief Guest. Hon'ble Governor and the Chancellor of the University Smt. Anandiben Patel awarded a total of 597 degrees comprising of 343 Under Graduates, 209 Post Graduates and 45 Ph.D students. Out of 597, 79.06% were boys and 20.94% girls.

Medals awarded to students during 25th Convocation

S. No.	Particulars	Numbers
1	Chancellor's Medal	07
2	Vice-Chancellor's Medal	11
3	University Gold medal	08
4	Total Gold medal	26
5	Number of girls	13
6	Number of boys	13
7	Percentage of girls winning gold medal	50.00%
8	Percentage of boys winning gold medal	50.00%



STUDENTS' WELFARE

Dr. D. Niyogi, Dean

The Dean Student's Welfare holds responsibility of organizing and managing all matters related to students welfare, conduct and discipline. Under the able guidance of Hon'ble Vice Chancellor, office of the Dean Student's Welfare functions as a nodal centre to promote cooperation, coordination, congenial living environment and overall development of students by monitoring and supervising day to day essential support required for academic and co-curricular activities of the students. The annual progress report is as under:

FINANCIAL AIDS/SCHOLARSHIPS:

1. At the undergraduate and postgraduate level, more than 85 percent of the students of the university were provided scholarship and fee reimbursement by the Uttar Pradesh government. In the year 2023-24, fee reimbursement for 1826 students have been paid by the Directorate of Social Welfare, Uttar Pradesh. One hundred and four (104) students were provided Mandi Parishad scholarship. Ph.D. Merit scholarships have been given to 14 students. Apart from this, 149 students in UG, 32 students in PG have been given National Merit Scholarship (NTS).
2. 134 final year graduation students were provided RAWES and internship stipend from ICAR, New Delh.

ORGANIZATION OF TRADITIONAL SPORTS:

3. On the occasion of the 25th Convocation, traditional games were organized in the University from 25- 27th November, 2023 in which about 610 students across six houses (pink, purple, blue, red, yellow and green) of the



Opening Ceremony Traditional Games by Hon'ble Vice-Chancellor Dr. Bijendra Singh

University participated. Winners of first, second and third place in the competition were honoured with medals and certificates.

WORLD YOGA DAY

On the occasion of World Yoga Day on 21 June 2023, 2500 officers/scientists/teachers/employees and students of the university participated in the event.

UNIVERSITY PARTICIPATION IN NATIONAL AND STATE LEVEL COMPETITIONS:

- University team (06 male and 06 female students) participated in KIIT, Bhubaneswar (Orissa) from 22.12.2023 to 24.12.2023 in the North East Zone Inter-University Yogasana (Women/Men) Competition organized by the Association of Indian Universities (AIU).



Participants in North East Zone Inter-University Yogasana (Women/Men) Competition



- Students participated in the state level Agriculture and Veterinary University Youth Festival "Ahawan" (Women/Men) competition from 21.12.2023 to 23.12.2023 held at DUVASU, Mathura (UP). Total 20 Students participated (08 boys & 12 girls) in the event. The University finished runner up in the festival.



Students with the medals in Agriculture and Veterinary University Youth Festival "Ahawan"

BLOOD DONATION CAMP

- NCC cadets, officers, scientists, teachers, employees and National Service Scheme (NSS) students donated blood in the blood donation camp organized on the university campus.



Blood donation camp

NCC

- NCC wing of the University has been approved by UP 13/65 Company to run full unit (160 cadets) from July.
- NCC Cadets of the University participated in Ayodhya Combined Annual Training Camp (CATC- 73) in which a cadet of the University was awarded first prize for the best firing.

NSS CAMP

A seven-day special camp of National Service Scheme (NSS) was organized at Gram Sabha 'Bavon' for the all-over development of the university students.

SOCIAL AWARENESS PROGRAMMES

- Programs like tree plantation, cleanliness campaign, and 'Meri Mati Mera Desh' etc. were organized by the students of National Service Scheme (NSS).



Tree plantation by the students of NSS.

- Vote awareness program, drug de-addiction campaign and women empowerment etc. programs were organized by the students of National Service Scheme (NSS).



HOSTEL INFORMATION

No.	Name of Hostel	Total Room	Cap-acity	Occu-pancy
BOYS				
1.	Yamuna Hostel	104	152	140
2.	Ganga Hostel	100	100	110
3.	Saryu Hostel	112	112	131
4.	Achrawati Interna-tional Hostel	20	40	35
5	Kalindi Hostel	64	96	72
6	Varuna Hostel	109	109	156
7	Amrawati	46	92	85
8.	Hirrawati Hostel	58	116	114
9.	Rohini Hostel	40	120	114
10.	Brahmhaputra Hostel	40	120	115
11.	Anoma Hostel	35	105	105
12.	Saraswati Hostel	46	96	136
13.	Kisan Bhawan Hostel	86	112	159
14.	Godawari Boys Hostel (MCAET)	56	112	61
15.	Kavery Hostel (MCAET)	41	123	27
16.	Azamgarh Hostel (Boys)	88	264	233
17.	Teachers Hostel	14	70	34
	Total	1059	1939	1827
GIRLS				
1.	Gomti Hostel	53	121	125
2.	Niranjana Hostel	19	38	41
3.	(Phase-2) Girls Hostel Gomti	20	60	81
4.	Rapti Hostel	34	68	72
5.	Mandakini Hostel	51	102	160
6.	Girls Hostel (MCAET)	18	30	19
7.	Azamgarh Hostel (Girls)	16	48	38
8.	A Type Mahila Hostel	17	34	32
	Total	228	501	568
	G.Total	1287	2440	2395

DSW/HOSTEL WARDEN/ASSISTANT HOSTEL WARDEN

S.No.	Name	Designation
1.	Dr. D. K. Dwivedi	Dean Student Welfare
2.	Dr. S. P. Singh	Assoc. Dean Student Welfare
3.	Dr. Shiv Nath	Hostel Warden
4.	Dr. R.K. Pathak	AHW (Yamuna)
5.	Dr. Aastik Jha	AHW (Ganga)
6.	Dr. Sameer Kumar Singh	AHW (Saryu)
7.	Dr. Mukesh Kumar	AHW (Achrawati International)
8.	Dr. Ruma Devi	Hostel Warden
9.	Dr. Jyoti Saroj	AHW (Gomti)
10.	Dr. Zeba Jamal	AHW (Niranjana)
11.	Dr. Supriya	AHW (Phase-2) Girls
12.	Dr. Sadhna Singh	Hostel Warden
13.	Dr. Piyusha Singh	AHW (Rapti)
14.	Dr. Vibha Parihar	AHW (Mandakini)
15.	Dr. Jaswant Singh	Hostel Warden
16.	Dr. K.K. Tripathi	AHW (Kalindi)
17.	Dr. J.P. Singh	AHW (Varuna)
18.	Dr. Hemant Kumar Singh	AHW (Amrawati)
19.	Dr. S.P. Singh	Hostel Warden
20.	Dr. N.R. Meena	AHW (Hirrawati)
21.	Dr. Alok Kumar Pandey	AHW (Rohini)
22.	Dr. Dinesh Kumar	AHW (Brahmhaputra)
23.	Dr. N.A. Khan	Hostel Warden
24.	Dr. K.N. Singh	AHW (Anoma)
25.	Dr. Abhinandan Singh	AHW (Saraswati)
26.	Dr. J.P. Singh	HW (Old Kisan Bhawan)
27.	Dr. Pramod Kumar	AHW (Old Kisan Bhawan)
28.	Dr. Diwakar Singh	HW (Teacher Hostel)
29.	Dr. Devendra Kumar	AHW (Teacher Hostel)
30.	Smt. Sarita Sriwastava	HW (A Type Mahila Hostel)
31.	Dr. Harshita	AHW (A Type Mahila Hostel)
32.	Dr. P.K. Mishra	Hostel Warden (MCAET)
33.	Dr. Manish Kumar	AHW (Godawari Mahila Hostel)
34.	Dr. Vikash Kumar Singh	AHW (Kavery Hostel)
35.	Dr. Vinay Kumar	Hostel Warden (Azamgarh)
36.	Dr. Vimlesh Kumar	AHW (Azamgarh)
37.	Dr. Sandeep Kumar Pandey	AHW (Azamgarh)

**DIRECTORATE OF PLACEMENT****Dr. D. Niyogi, Director**

Directorate of Placement is a separate wing with One Director and Deputy Director, each to facilitate the employment of outgoing/passed out students of the university every year. They are assisted by Co-ordinators from different colleges to make a linkage with the activities of placement cell.

Director	Dr. D. Niyogi
Deputy Director	Dr. Satyavrat Singh
Coordinators	
College of Agriculture	Dr. Shamboo Prasad
College of Veterinary Science	Dr. Satyavrat Singh
College of Horticulture	Dr. Sanjay Pathak
College of Fisheries	Dr. Dinesh Kumar

PLACEMENT ACTIVITIES

S. No	Name of company	Date of inter-view	Resource person	No. of Students selected
1	Zeneva crop sciences	16-6-23	Mr Hari Om	17
2	Dayal feeds	24-6-23	Dr D K Pandey Mrs Medha Vajpayee	07
3	Hynex agro chemicals	30-6-23	Mr Ashish Rawat	14
4	Banas Dairy, Amul	02-09-23	Mr Kamal Joshi Mr S. B Singh	06
5.	Centre of technology and entrepreneurial development	2.2.24	Er Sanjay Singh	08
6.	Nisroch Chemicals Pvt Ltd	02.04.2024	Dr Govind Kumar Miss Kirti Miss Jannavi	04
	Compo Experts	06.04.2024	Dr R P Singh Dr Amit Singh	03

SOFT SKILL AND LANGUAGE DEVELOPMENT TRAINING

- a. “National training on personality development with emphasis on communication skill and other soft skill development”

Date: 11-15th December 2023

Beneficiaries: 312 students of B.Tech., M.Tech, Ph.D. (Agri. Engg., ME &CSE) of Mahamaya College of Agricultural Engineering and Technology, Ambedkarnagar.

Resource Persons: Mr. Anurag Jain, (Dhimat Tech, Agra).



- b. **Three-Day 'Career Counselling And Soft Skills Development' at College of Agriculture Kotwa, Azamgarh**

Date: October 3 to 5, 2023

Resource Person: Mr. Kushal Raut, Director of CommuniCare, Pune, Mr. Sanjeev Rane, Trainer, CommuniCare, Pune,



आज के युग में केवल किताबी ज्ञान पर्याप्त नहीं
स्वतंत्र चेतना/रानी की सराय। कृषि महाविद्यालय कोटवा में करियर काउंसलिंग एवं सॉफ्ट स्किल डेवलपमेंट पर तीन दिवसीय राष्ट्रीय प्रशिक्षण कार्यक्रम का आयोजन किया जा रहा है। जिसमें प्रथम वर्ष से लेकर अंतिम वर्ष तक के सभी छात्र भाग ले रहे हैं, जैसा कि हम जानते हैं कि आज के आधुनिक युग में केवल किताबी ज्ञान ही पर्याप्त नहीं है, हमें आज के बाजार की मांग में उत्कृष्टता हासिल करने के लिए अपने व्यक्तित्व और सॉफ्ट स्किल्स का विकास करना होगा। इस प्रशिक्षण के लिए रिसोर्स पर्सन के तौर पर पुणे स्थित श्री कुशल राउत एवं श्री संजीव राणे को बुलाया गया है कइस कार्यक्रम में प्रशिक्षकों के जीवन में बड़ी जीत हासिल करने के लिए सोचने और विभिन्न कौशल बढ़ाने के महत्व पर भी जोर दिया। महाविद्यालय के अधिष्ठाता प्रो धीरेन्द्र कुमार सिंह के दिशा निर्देशन में इस तरह के कार्यक्रम समय समय पर आयोजित होते रहते हैं जिससे छात्रों को भविष्य में आने वाली चुनौतियों का सामना करने में मदद मिलती है कइस कार्यक्रम में डॉ विनय कुमार, डॉ. रेनु गंगवार, डॉ. विनित प्रताप सिंह, डॉ. अजित कुमार, डॉ. संदीप पांडे एवं सभी छात्र उपस्थित थे।

कृषि महाविद्यालय में करिअर काउंसलिंग हेतु तीन दिवसीय प्रशिक्षण का आयोजन

सुपर फास्ट टाइम्स

रानी की सराय/आजबगढ़। कृषि महाविद्यालय, आजबगढ़ में करिअर काउंसलिंग एवं सॉफ्ट स्किल डेवलपमेंट पर तीन दिवसीय राष्ट्रीय प्रशिक्षण कार्यक्रम का आयोजन किया जा रहा है। जिसमें प्रथम वर्ष से लेकर अंतिम वर्ष तक के सभी छात्र भाग ले रहे हैं। जैसा कि हम जानते हैं कि आज के आधुनिक युग में केवल किताबी ज्ञान ही पर्याप्त नहीं है, हमें आज के बाजार की मांग में उत्कृष्टता हासिल करने के लिए अपने व्यक्तित्व और सॉफ्ट स्किल्स का विकास करना होगा। इस प्रशिक्षण के लिए रिसोर्स पर्सन के

तौर पर पुणे स्थित श्री कुशल राउत एवं श्री संजीव राणे को बुलाया गया

कार्यक्रम समय समय पर आयोजित होते रहते हैं जिससे छात्रों को भविष्य



सुपर फास्ट टाइम्स
4.10.2023

है इस कार्यक्रम में प्रशिक्षकों के जीवन में बड़ी जीत हासिल करने के लिए सोचने और विभिन्न कौशल बढ़ाने के महत्व पर भी जोर दिया। महाविद्यालय के अधिष्ठाता प्रो धीरेन्द्र कुमार सिंह के दिशा निर्देशन में इस तरह के

में आने वाली चुनौतियों का सामना करने में मदद मिलती है। इस कार्यक्रम में डॉ विनय कुमार सिंह, डॉ. पांडेयाराज, डॉ. रेनु गंगवार, डॉ. विनित प्रताप सिंह, डॉ. अजित कुमार, डॉ. संदीप पांडे एवं सभी छात्र उपस्थित थे।

SPECIAL WELFARE ACTIVITIES FOR VULNERABLE COMMUNITY STUDENTS

a. Agriculture Education Awareness program for Tharu Community students on 25th Nov 2023

No. of students Benefitted : 100



Agriculture awareness drive at Imliakodar to promote Agriculture education in Tharu tribes



Distribution of bag, book helpful in preparation of entrance



Creating awareness among Tharu tribe girls on agriculture education especially community science



Students with educational kit

OUT OF BOX INITIATIVES

Soch se swavlamban program: Udhyami Chaupal on 28 September 2023 providing platform to interact with Start-up founders.



Soch se Swablamban: Udhyami Chaupal

Agriscap : Providing platform to discuss start up ideas in students mind, providing mentorship and making necessary arrangements for seed money.



Agriscap : Promoting entrepreneurial skills



NEHRU LIBRARY

Dr. Subodh Kumar, Librarian

Nehru Library (Formerly Central Library) was established in 1976. It is housed with all modern amenities, and is situated in a magnificent three storied building covering an area of 3617 square meters. The Nehru library is rendering a number of functions such as teaching, research, publication, conservation of knowledge and idea, extension services, and interpretation. The mission of the library provides information services, an access to bibliographic, full text both in digital and printed form to support the scholarly and information needs of all students, faculty members and staff. Library can be accessed online anytime. Readers can access Nehru library at following address: <http://216.48.178.228:81/>

SERVICES/FACILITIES TO STUDENTS AND FACULTY:

- a. **Internet/Wi-Fi Facilities:** Library provide free Internet and Wi-Fi facilities to the students and teachers so that student and research scholars could get easily and rapidly access internet and wi-fi facilities.
- b. **Library hours :** The library is open from 8.00 am to 8.00 pm on all working days.

Days	Timings
Monday - Saturday	8:00 A.M. to 8:00 P.M.

- c. **Borrowing books from the Library :** Normally issue and return of Library reading material is operated in whole working days.
- d. **Reprography (Photocopy) services:** Photocopies of reading materials and journal articles are provided to students and staff members at the rate of Rs. 1.00 per page. About 1000 photocopies were provided during the period.
- e. **Jgate CeRA Services:** Nehru library has a regular subscription of consortium for e-resources in agriculture (CeRA) and J gate. Students, research scholars, scientists and teachers can access e-journal and E-book. CeRA provides total 1800+ e-Journal out of which 131 are Indian Agricultural Journals , 1174 e-Books and 22 Annual Reviews on CeRA . About 1844 users of our university took advantage of CeRA.

- f. **Integrated Library Management System “Koha”:** Nehru library upgraded their automation and digitalization program so that students, researchers can get easy and rapid access to the books, journals and theses. Library use integrated library management system “Koha” on which books are uploaded. Students can access resources of library on following **weblink/website address:** <http://216.48.178.228:81/>.
- g. **Plagiarism Detection Software (Drillbit-PDS) :** Nehru library has accessed the plagiarism detection software “Drillbit-PDS” on which 161 faculty members are registered.
- h. **Thesis Services:** Students, research scholars, scientist and teachers can access and take advantage of e-theses on **Shodhganga and Krishikosh**. 906 theses on Shodhganga and 561 on Krishikosh are available.
- I. **Other Open Source Useful link:**
Nehru Library provides some other open sources useful link, <http://216.48.178.228:81/> for e-access of books, journals and other e-contents.
 1. NDL (National Digital Library)
 2. DOAB (DIRECTORY OF OPEN ACCESS BOOK)
 3. DOAJ (Directory of open Access Journal)
 4. PLOS (Public Library of Science)
 6. NAL (National Agricultural Library)
 7. AgEcon (Agricultural Economic)
 8. Pubmed (It is free search engine. It is like a database .
 9. e-Krishishiksha 10. e-PG pathshal 10. e-Gyankosh.

LIBRARY BUDGET:

Annual Budget allocation of year April 2023 to March 2024 has been presented in the following table.

Year	Allotment Budget (Grant Sanctioned) in lakhs	Expenditure				
		Books	Journal	E-Books	Other	Total Rs. In lakhs
April 2023 to March 2024		Nil	Nil	Nil	683609.00	6.84

**COURSES TAUGHT**

- A. Library and Information Services (PGS-501) – for P.G. students
- B. Library and Information Services (PGS-605) – for Ph.D. students

RENOVATION WORK

- A. Electrification of Library Building
- B. Whitewash of Library Building and Maintenance with PVC Board
- C. LED sign Board of Nehru Library

OTHER (2023-24)

Total Member Visited (Foot fall)	40,000
Number of Books Procure	097
Monthly Magazine	12
Daily News Paper	12
Purchase of Chair	80
Purchase of Table	10
Book Shelf	10
Digitalization of Books	10,000
New Membership	380
CeRA Hits	12626
Login on CeRA	3103
Document View on CeRA	1602
Search on CeRA	4160
Journal Finder on CeRA	2856
Profile created on CeRA	347
Thesis uploaded on Shodhganga	251
New Member Register on Drillbit	35



ADMINISTRATION AND MONITORING

Dr. A. K. Singh, Director

MAJOR ACTIONS ACCOMPLISHED DURING 2023-24:

1.	A total of 57 teachers including 47 Assistant Professors, 9 Associate Professors and one Professor were recruited in the University.
2.	Under the Career Advancement Scheme, 11 Assistant Professors as Associate Professors and 21 Associate Professors as Professors were promoted.
3.	Under the regularization process, a total of 29 daily wage workers were regularized.
4.	As per rules for the appointment of dependents of deceased officers/employees of the University, 09 appointments have been made.
5.	As per the intention of the Government of Uttar Pradesh, the purchase of all goods/equipments were done through the GEM portal and e-tendering process as per rules.
6.	Under the assured career progression of non-teaching personnel in the university, the benefit of ACP was provided to a total of 45 employees from time to time on the recommendation of the ACP liability/screening committee.
7.	Biometric mode of attendance was in practice for students and teachers.
8.	The relevant information on 120 formats was continuously sent by the university to the Raj Bhavan, Uttar Pradesh.



FINANCE

The total budget (Rs. In lakh) and expenditure of the University for the Financial Year 2023-24

S.No.	Financial source	Budget provision	Budget allocated	Actual expenditure
A	State Government (Revenue)	9138.96	9088.96	8595.25
	State Government (Capital)	2533.09	2240.58	2187.87
	Total	11672.05	11329.54	10783.12
B.	ICAR	6339.63	6339.63	6220.96
C.	Other Organizations	332.78	332.78	134.72
	Total	6672.41	6672.41	6355.68
D	Revenue generated from its own resources	2415.15	2415.15	2075.31
	Total (A+B+C+D)	20759.61	20417.10	19214.11

Revenue generated during FY 2023-24

S. No.	Receipt from	Amount (Rs.in lakh)
1	Tuition fees	2106.22
2	Sale of produce	45.36
3	Rental charges	90.17
4	Bank Interest	172.38
5.	Others	1.02
	TOTAL	2415.15



PUBLICATIONS

- Agrahari, R.K., Mishra, S.R., Singh, A.K., Mishra, A.N. Pandey, A. and Gupta, S. (2023). Effect of Varying Thermal Regimes on Yield and Yield Attributes of Mustard Varieties (*Brassica juncea* L.). *Environment and Ecology*, 41(4D), 3120-3125.
- Akash, Singh, A.K., Doharey, R.K., Verma, A.K., Dubey, S.K., Asha, K., Maurya, A.K. and Shankar, R. (2023). Constraints Experienced by the Farmers in Adoption of Recommended Cultivation Practices of Potato in Farrukhabad District of Uttar Pradesh. *Indian Journal of Extension Education*, 59(1), 41-44.
- Akram, M. O., Singh, V. K., Shivam, P. K., Singh, A., Mathur, A., Ali, K., ... & Verma, S. (2024). Review on cost estimation of farm power and machinery. *International Journal of Statistics and Applied Mathematics* 2024; SP-9(1): 109-112.
- Alam, K., Srivastava, S., Kumar, R., Saurabh, Verma, A. K., Verma, S. K., Jaiswal, A., and Verma, H.C. (2024). Testicular Biometry and its Relationship with Body Weight and Semen Parameters of Sirohi and Jamnapari Bucks. *The Indian Journal of Animal Reproduction*, 45(1): 29-34.
- Alam, K., Srivastava, S., Singh. B., Saurabh, Kumar, R., Kumar, R., Verma. and Sakshahari, D.S. (2024). Cryopreservation of bovine semen using extract of *Cinnamomumzeylanicum*. *Cryo Letters*, 45(03): 168-176.
- Alam, K., Srivastava, S., Verma, A. K., Verma, S. K., Singh. B., Saurabh, Kumar, R., Kumar, R., Verma, R.K., Jaiswal, A. and Alam, A. (2024). Impact of Seasons on Semen Quality in Jamnapari Buck under Purvanchal Region of Uttar Pradesh. *AMA, Agricultural Mechanization in Asia, Africa and Latin America*, 55(05): 17999-18008.
- Aman, Z., Singh, S., Pandey, M., Mehta, V., Singh, P. S. and Supriya (2023). Standardization of Millets-Based Ready to Eat Nutritious Food Products for Geriatrics. *The Pharma Innovation Journal*, 12 (8), 1263-1268.
- Aman, Z., Singh, S., Pankaj, Rathaur, A., Yadav. A.K, Rai, D.C. and Upadhyay P.K. (2024). Current Scenario of geriatric nutrition and health correlates the silver age review *Annals of Phytomedicine*. 13(1). 146-157.
- Anjali, Singh, S., Pandey, R. and Pandey M. (2024). Millets for enhancing nutritional bowl in rural areas. *Proceeding of International. Conference as climate change and agriculture; Impact, mitigation and adaptations for sustainable food security and livelihood improvement. (ICCA-2024):94-96.*
- Ankit, Mo. Akram, Shivam, Vikas K Singh, Vipin K Roshan, Sarvda Nand Tiwari, Shashank Verma, Akanksha Mathur, Khwahiz Ali, Sakshi Dixit and PK Mishra (2024). Analyzing the patterns of extreme rainfall in the eastern Uttar Pradesh. *International Journal of Statistics and Applied Mathematics*. SP-9(2): 101-107.
- Antardani, S., Dwivedi, D.K., Khan, N.A., Kumar, A., Singh, A., Ritendra, Pooja and Devi, A. (2023). Molecular Analysis of drought tolerance in rice varieties using SSR Markers. *Current Journal of Applied Science and Technology*, 42(31), 21-27.
- Arya, N., Jamal, Z. and Grover, A. 2024. Assessment of content on user-friendly pick bag technology for Diversified Activities. *International Journal of Applied Home Science*. 11(5&6).142-145.
- Arya. K.Y., Srivastava. V.K. and Verma. S.K., (2023). Effect of different nitrogen levels and row spacing on yield of Bael (*Aegle marmelous* L.) based agri horti system. *Indian Jr. of Soil Conservation*. 51 (1): 336-40.
- Azam, K., Singh, A.K., Singh, V., Singh, M., Kumar, R. and Vishuddha Nand (2024). Evaluation of Crop Establishment Methods and Nano Urea Versus Conventional Urea on Growth Indices in Rice Crop (*Oryza sativa* L.). *Journal of Advances in Biology & Biotechnology*, 27(7), 493-501.
- Baboo, K., Vishuddha Nand, Kumar, R., Singh, A.K. and Kumar, N. (2023); Effect of crop establishment methods and fertility management on growth, yield and Economics of Rice. *International Journal of Plant & Soil Science*, 35(19), 1785-1789.
- Bhardwaj, N., Kumar, A., Kumar, V., Kamboj, R., Singh, R., Kundal, S., Kumar, P., Chaudhary, S., Thakur, P. and Ashish (2023). In-vitro Evaluation of Fungicides against Brown Spot (*Bipolaris oryzae*) Disease of Rice. *Biological Forum – An International Journal*, 15(12), 163-166.
- Bhaskar, R., Kumar, R., Singh, J., Kuma, S., Chand, R. and Vimal, S.C. (2023). In vitro Evaluation of Botanicals, Bio-agents and Fungicides against *Rhizoctonia solani* Causing Web Blight Disease of Mungbean. *International Journal of*



- Environment and Climate Change, 13(11), 3546-3552.
- Bohra, D., Supriya, Gautam, S., Gupta, V., and Kumar, P. (2024). Analysis of the Comparative Advantages: Fish Export Market In India Journal of Experimental Zoology India, 27(1), 5.
- Chahal. R., Verma. S.K., Arya. K.Y. and Yadav. D.N. (2023). Effect of fertilizer and organic manure on yield attributes of guava (*Psidium guajava* L.) under *Casurina equisetifolia* based agri-silvi-horti system in sodic soil. *International Journal of Statistics and Applied Mathematics*. SP-8(3): 189-191.
- Changkiri. M., Adhikary. N.K., Jha. A. and Kanaujia. S.P. (2024). Integrated Nutrient Management of French Bean (*Phaseolus vulgaris* L.) in Subtropical Humid Zone of Nagaland, India. *Legume Research*. 47(5): 845-849.
- Chaturvedi, V.D., Kumari, V., Dubey, N., Singh, K., Singh, P.K., Chaubey, S., Singh, S., Singh, P. and Singh, A. (2024). Analysis of chlorophyll, carotenoids and yield in mutants of vegetable soybean (*Glycine max* L.). *Vegetable Science*, 51(01), 154-163.
- Chaudhary, S., Singh, S., Verma, B. and Yadav, A. (2024). Importance of Maternal Nutrition and Its Effects on Child Development: A Critical Review. *International Journal of Creative Research Thoughts*. (12) pp: 148-154.
- Chaudhary, V., Kumar, V., Singh, V. K., Prakash, H., Sharma, S. V., Arya, A. M., & Paul, A. S. (2024). Development of major millets (Finger, Pearl, Sorghum) bakery products and its quality evaluation. *International Journal of Statistics and Applied Mathematics* 2024; SP-9(2): 112-117.
- Chauhan, P., Vimal, S.C., Singh, S., Yadav, H., Singh, P. (2024). Studies on the effect of salicylic acid on mitigating terminal heat stress in Indian mustard (*Brassica juncea* L. Czren & Coss). *International Journal of Advanced Biotechnology and Research*, 8(2), 724-730.
- Devi, R., Chandra, U., Kumar, P., Singh, S.K., and Rajak, R.K. (2024). Population Dynamics of *Helicoverpa armigera* in Chickpea (*Cicer arietinum* L.). *Journal of Advances in Biology & Biotechnology*, 27(5), 389-396.
- Devi, R., Chandra, U., Rajak, R.K., Kumar, P., Singh, S.K., and Ram Veer (2024). Biology of Fall Armyworm, *Spodoptera frugiperda* (J.E. Smith) on Maize under Laboratory Conditions. *International Journal of Environment and Climate Change*, 14(2), 463-469.
- Dixit, A., Meena, N.R., Doharey, R.K., Verma, A., Pateriya, Y., and Kumar, A. (2024). A Study on Socio-Economic Profile of Paddy Growers in Milkipur Block of Ayodhya District of Uttar Pradesh, India. *Asian Journal of Agricultural Extension, Economics & Sociology*, 42(6), 137-148.
- Dubey, U.K., Padmavathi, S. and Kumar, A. (2023). Effect of seed pelleting on growth, yield and seed quality parameters of black gram. *Journal of Food Legumes*, 36(4), 273-277.
- Dubey, U.K., Padmavathi, S. and Kumar, A. (2023). Effect of seed pelleting on growth, yield and seed quality parameters of black gram. *Journal of Food Legumes*, 36(4), 273-277.
- Gaikwad. P.N., Singh. J. and Sidhu. G. S. (2024). Identification and diversity analysis of interspecific citrus rootstock hybrids with combination of morphological traits and microsatellite markers. *Horticulture, Environment and Biotechnology*. 65, 539-565.
- Garg, A., Maurya, S.P., Laxmi, M.B., Ketan J. R. Yerasuri, S.S. and Shinde R.M. (2024). Smart Cities and Smart Supply Chain: Integrating for Sustainable Urban Development. *Power System Technology* Vol 48 (1) pp 239-254.
- Gautam, K., Vimal, S.C., Shrigovind, Singh, R.K., Kumar, A., Chand, R., and Kumar, R. (2024). Studies on genetic variability, heritability and genetic advance in rice (*Oryza sativa* L.). *African Journal of Biological Sciences*, 6 (5), 10448-10457.
- Gautam, V.K., Singh, K.N., Kumar, M., Singh, N., Gond, S.P. and Kumar, A. (2024). Micrometry of renal tubules in Barbari goat in the eastern plain zone of Uttar Pradesh. *International Journal of Veterinary Sciences and Animal Husbandry*, 9(3): 213-216.
- Gautam, V.K., Singh, K.N., Kumar, M., Singh, N., Gond, S.P. and Kumar, A. (2024). Gross morphological studies on the kidney of Barbari goat (*Capra hircus*). *International Journal of Veterinary Sciences and Animal Husbandry*, 9(3): 191-194.
- Gehlot T., Mishra, S.R., Yadav, A.K. and Prince (2024) "Studies on Crop Weather Calendar of Brinjal Crop in eastern Uttar Pradesh, India". *Journal of Experimental Agriculture International*, 46(06), 816-823.
- Gond, S.P., Jaiswal, S., Singh, A., Asthana, S.,



- Gangwar, A.K., Yadav, S., Sharma, A., Santhulal, S. and Singh, N. (2024). Gross anatomical studies on the pectoral girdle of Aseel bird. *Int. J. of Vety. Sc. and Anim. Husb.*; SP-9(3): 286-287.
- Gor, D., Singh, D., Patel, G., Bagadiya, P., Balar, V., and Yadav, A. (2024). Assesment of genetic diversity in different chilli (*Capsicum annum* L.) genotypes using morphological, biochemical and molecular characters. *International Journal of Advanced Biochemistry Research*, 8(1), 385-397.
- Gupta, R., Vimal, S.C., Vishwakarma, S.K., Kewat, R. N., Yadav S.K., Gupta A.K., Shrigovind, Singh, S., Pandey, P. and Singh, J. (2024). Line $\times$ Tester Study in Bread Wheat (*Triticum aestivum* L.) for the Estimation of Correlation and Path coefficients analysis India. *African Journal of Biological Sciences*, 6(11), 15-37.
- Gupta, R.K., Niyogi, D., Joshi, R.K., Yadav, V., Jaiswal, V., Srivastava, D.P., Singh, S. V., Jaiswal, S., Singh, J. and Alam, K. (2023). Prevalence and Phylogenetic Analysis of *E. coli* in Diarrhoeic Goats in Eastern Plain Zone of Uttar Pradesh. *Ind. J. Anim. Res.* Published online: 1-8. 10.18805/IJAR.B-5179.
- Gupta, R.K., Niyogi, D., Joshi, R.K., Yadav, V., Singh, S.V., Singh, J.P., Jaiswal, S. and Mishra, A. (2023). Pathomorphological alterations in intestine of goats infected with *E. Coli* and rotavirus in eastern plain zone of Uttar Pradesh. *J. Exp. Zool. India*, 26(2): 1881-1885.
- Gupta, S., Mishra, S.R., Singh, A.K., Mishra, A.N. Agrahari, R.K. and Pandey, A. (2023). Effect of Ambient Temperature on Growth and Yield of Mustard (*Brassica Juncea* L.) Cultivars. (2023). *Environment and Ecology*, 41 (2A), 1077-1081.
- Gupta, V., Supriya, Chaudhary, S., Bohra, D., Gautam, S., and Kumar, P. (2023). Tobacco marketing: SWOT analysis in Etah District of Western Uttar Pradesh. *International Journal of Statistics and Mathematics*, 8(6), 92-100.
- Gupta, V.N., Pramanik, P.S., Singh, K.D., Kumar, S., Verma, A.K., Srivastav, A.K., Verma, R.K. and Kumar, A., 2023. Effect of different litter materials on behavior, stress and incidence of mortality and morbidity rate on broiler chickens. *Environment and Ecology*, 41 (4A) : 2577—2583.
- Gupta, S., Pathak, S., Yadav, A., Tomar, B., Patel, T. and Parihar, S. (2023). Enhancing productivity of tuberose (*Polianthes tuberosa* L.) and soil fertility trough traditional bio-amendments under sodic condition in Ayodhya region. *AMA*. ISSN: 00845841. Vol. 54, Issue 06.
- Harikesh, Ali, A., Singh, P. and Kewat, R.N. (2023). Effect of integrated nutrient management modules on plant population and yield attributes of high yielding varieties of chickpea (*Cicer arietinum* L.) under late shown condition. *International Journal of Agricultural Science*, 15(12), 12809-12812.
- Hassanzai R. G., Pratap B. and Kumar H. (2024). Evaluation of Quality Attributes in the Nectar Blend Beverage from Strawberry (*Fragaria ananassa* Duch.), Guava (*Psidium guajava* Linn.) and Apple (*Malus domestica* Borkh). *African Journal of Biological Sciences*. ISSN: 2663-2187.
- Hassanzai R. G., Pratap B., and Kumar H. (2024). Evaluation of Quality Attributes in the Ready-to-Serve (RTS) Blend Beverage from Strawberry (*Fragaria ananassa* Duch.), Guava (*Psidium guajava* Linn.) and Apple (*Malus domestica* Borkh). *Plant archive journal*. 24(1): 1601-1608.
- Hassanzai R. G., Pratap B., Sonkar, A. and Jain, S. (2024). Studies on effect of bagging and foliar application of different chemicals on physico-chemical characteristics and post-harvest quality of mango fruit (*Mangifera indica* L.) cv. Amrapali. *Plant archive journal*. 24(1): 620-624.
- Jain, S., Pratap, B., Sonkar, A. and Singh, A.P. (2024). Evaluating the Effects of Bio-formulations and Boric Acid in Bael (*Aegle marmelos*) cv. NB-9 under Subtropical Conditions. *African Journal of Biological Sciences*. 6(4). ISSN: 2663-2187.
- Jaiswal, A., Chauhan, S.S., Srivastava, A., Alam, K., Pramanik, P.S., Verma, R.K., Verma, M.K., (2024). Effect of dietary inclusion of Moringa oleifera leaf meal on and Haemato-biochemical profile of Sahiwal calves. *Int. J Adv Biochem Res*, 8 (2S):537-540.
- Jaiswal, A.K., Shanker, D., Singh, A., Kumar, P., Aggrawal, V. and Singh, S.K. (2023). ITS2 targeted molecular characterization and Phylogenetic analysis of caprineamnp histomes from Uttar Pradesh (North India). *Haryana Veterinarian*, 62(S1-2), 22-25.
- Joshi, B., Singh, V. K., Vishwakarma, D. K., Ghorbani, M. A., Kim, S., Gupta, Shivam, Mattar, M. A. (2024). A comparative survey between cascade correlation neural network (CCNN) and feedforward neural network (FFNN) machine learning models for forecasting suspended



- sediment concentration. Scientific Reports, 14(1), 10638.
- Kanauajia, S., Verma, S.K., Kumar, I. and Arya, R. (2023). To study the livestock integration with milk, fodder and dung production of Barabanki district in eastern Uttar Pradesh. *The Pharma Innovation Journal*. **12**(6): 2052-2056.
- Kanaujiya, S., Verma, S. K., Singh, C. P., Prasad, L., Pathak, A., Singh, M. B. and Yadav, S. K. (2024). Effect of dietary α -Tocopherol and herbal hepatopancreatic stimulant supplementation on gonadal and hepatosomatic performance of *Labeo rohita*. *Journal of Experimental Zoology India*, 27 (1), 335-344.
- Karmakar, S., Srivastava, A. K. and **Pandiaraj, T.** (2023). Influence of different sources of manure on the bio-chemical and mineral constituent on the leaf of host plant of *Antheraea mylitta* Drury. *International Journal of Advances in Agricultural Science & Technology*, 10(4), 1-12.
- Karmakar, S., Srivastava, A. K. and **Pandiaraj, T.** (2023). Influence of inorganic, organic and biofertilizer on chlorophyll content, relative water and EC content of leaf of host plant of Tasar silkworm (*Antheraea mylitta* Drury). *International Journal of Multidisciplinary Research and Growth Evaluation*. 4(2), 383-388.
- Kashyap, S., Dibyajyoti, S., Singh, Y.S., Patel, A.B., Radhakrishnan, K.V., Pal, P., Barman, A.S., Mandal, S.C., Saha, R.K., Priyadarshi, H. (2023). Brief restriction endonuclease digestion of genomic DNA improves PCR amplifiability and reproducibility of SSR loci: Augmenting exploration of hidden genetic variability in an endemic carp of South-East Asia. *Gene Reports*. <https://doi.org/10.1016/j.genrep.2023.101796>
- Kasif, A.A., Mishra, R.S., Singh S. and Verma, I.B. (2023). Morphological variability of *Pernospora* sp. on different hosts and management of downy mildew of Isabgol (*Plantago ovata*). *Environment and Ecology*. **42**(2B): 1-9 .
- Kaur, G., Dhillon, N. K., Singh, G., Vikal, Y., Kaur, N., Gill, A. S., Neelam, K., Singh, J., Bhatia, D. and Mangat, G. S. (2023). Identification of *Oryza glaberrima* as a potential resistance source to rice root-knot nematode, *Meloidogyne graminicola*. *Plant Genetic Resources*. 1-11
- Krishnan, G.K.B., Mehta, V. and Rai, V.N. (2023). Stochastic modelling and forecasting of relative humidity and wind speed for different zones of Kerala. *MAUSAM*, 74(4), 1053-1064.
- Kumar Vivek, Kundu Manoj, Mir Hidayatullah and Singh Mahendra (2024). Integrated nutrient module: an efficient tool for sustainable farming of cape gooseberry (*Physalis peruviana* L.) *Bangladesh J. Bot.* 53(1):83-90, [OI:https://doi.org/10.3329/bjb.v53i1.72230](https://doi.org/10.3329/bjb.v53i1.72230).
- Kumar, A., Choudhary, P.K., Maurya, P.K., Kumar, P., Maurya, S.K. and Rai, V. (2023). Effect of heat stress on adaptability and physiological responses in cross-bred cows. *Journal of Animal Research*, 13(02): 01-08.
- Kumar, A., Choudhary, P.K., Maurya, P.K., Kumar, P., Srivastava, D.P., Singh, H.K. and Rai, V. (2023). Study of cattle adaptability in central plane zone of U.P. throughout the spring and summer season. *Environment and Ecology*, 41(2): 897-902.
- Kumar, A., Doharey, R.K., Kumar, G., Verma, A., Verma, A.K., and Dixit, A. (2024). Socio-Economic Profile of Onion Growers of Kanpur Nagar of Uttar Pradesh, India. *Asian Journal of Agricultural Extension, Economics & Sociology*, 42(5), 323-332.
- Kumar, A., Kumar, A., Kumar, V., Kamboj, R., Ravinder, Singh, R., Bhardwaj, N., Ashish and Thakur, P. (2024). In-vitro Evaluation of Fungicides against False Smut (*Ustilagoidea virens*) Disease of Rice. *Biological Forum – An International Journal*, 16(1), 219-222.
- Kumar, A., Maurya, S.K., Maurya, P.K., Srivastava, D.P., Rai, V., Verma, R.K. and Kumar, P. (2024). Effect of different Parameters of Rumen functions and Microbiota on Crossbred Cattle in Summer Season in Eastern Uttar Pradesh. *Journal of Animal Research*, 14(01): 01-07.
- Kumar, A., Maurya, S.K., Srivastava, D.P., Rai, V., and Verma, R.K. (2024). Impact of Antioxidant supplementation and Temperature Humidity index (THI) on thyroid function of crossbred cattle in both summer and winter season. *Agriculture Reviews*. (Accepted).
- Kumar, A., Verma, H.C., Kumar, R., Kumar, S., Verma, M.K. and Verma, R.K. (2024). Characterization of Entrepreneurial and Communication Behaviour of Dairy Farmers in Ayodhya District of Uttar Pradesh. *International Journal of Agricultural Mechanization in Asia, Africa and Latin America (AMA)* (Accepted).
- Kumar, A., Verma, H.C., Verma, M.K., Kumar, S., Verma, R.K. and Kumar, A. (2024) Socio-economic Profile of Entrepreneurship Behavior of Dairy farmers in Eastern Plain Zone of Uttar



- Pradesh. *International Journal of Agriculture Extension and Social Development*, 7, SP-Issue2: 21-24.
- Kumar, B., Singh, S.K., Yadav, P.K. and Verma, R.K. (2023). Relative Abundance of Insect Pests on French Bean (*Phaseolus vulgaris* L.) in Relation to Abiotic Factors. *International Journal of Plant & Soil Science*, 35 (21), 735-742.
- Kumar, G., Doharey, R.K., Meena, N.R., Amrit Warshini, Verma, A., Singh, A.S., Singh, R. and Kumar, Y. (2024). Constraints faced by commercial vegetable growers in uses of chemical pesticides on central part of Uttar Pradesh. *International Journal of Research in Agronomy*, 7(6), 112-116.
- Kumar, G., Doharey, R.K., Meena, N.R., Verma, A., Singh, A.S., Singh, R. and Amrit Warshini. (2024). Socio-economic traits of commercial vegetable growers in central part of Uttar Pradesh. *International Journal of Agriculture Extension and Social Development*, 7(5), 31-35.
- Kumar, G., Yadav, R.N., Doharey, R.K., Verma, A., Kumar, A. and Amrit Warshini. (2024). Adoption level with respect to various practices of mango production technology in Meerut district of Uttar Pradesh, India. *International Journal of Agriculture Extension and Social Development*, 7(3), 577-580.
- Kumar, H., Chugh, V., Kumar, M., Gupta, V., Prasad, S., Kumar, S., Singh, C.M., Kumar, R., Singh, B.K., Panwar, G., and Kumar, M. (2023). Investigating the impact of terminal heatstress on contrasting wheat cultivars: A comprehensive analysis of phenological, physiological, and biochemical traits. *Front. Plant Sci.* 14:1189005.doi:10.3389/fpls.2023.1189005.
- Kumar, J., Kushwaha, R.R., Mehta, V., Verma, S.K. and Kumar, P. (2023). Study on Costs and Returns of Sugarcane Production in Sitapur District of Central Plain in Uttar Pradesh. *International Journal of Statistic and applied Mathematics*, 8(4), 33-36.
- Kumar, K.G., Husain, A., Mishra, N., Vikran, Dwivedi, D.K., Pandey, S., Singh, A. (2024). Rice crop residue managment by the microbial consortium for rapid decomposition of straw. *Biotech*, 14(5), 137.
- Kumar, M. and Tiwari, A. (2023). A composite class of ratio estimators for the mean of a finite population in simple random sampling. *Advances and Applications in Mathematical Sciences*, 22(10), 2109-2123.
- Kumar, M. and Vishwakarma, G. K. (2023). Efficient classes of estimators of population mean under various allocation schemes in stratified random sampling. *Asian Journal of Probability and Statistics*, 23(3), 8-25.
- Kumar, M., Dubey, S.K., Rai, V.N. and Sisodia, B.V.S. (2023). A computational approach for estimation of a finite population mean under two-phase sampling in presence of two auxiliary variables. *Journal of the Indian Society of Agricultural Statistics*, 77(3), 275-285.
- Kumar, M., Prakash, G. and Rana, S.K. (2024). Statistical modeling for analysis of growth and trend pattern of wheat production in selected states of India. *Asian Journal of Research in Crop Science*, 9(1), 66-75.
- Kumar, N., Bahadur, R., Yadav, S.K., Singh, S.P., Singh, A., Baheliya, A.K. and Kumar, D. (2024). Productivity and profitability of rice (*Oryza sativa*) influenced by customized fertilizers under rice-wheat cropping system. *Indian Journal of Agronomy*, 69(1), 11-16.
- Kumar, N., Kumar, V., Gangwar, A.K., Saxena, S., Raghuvanshi, P.D.S., Mathew, D.D., Shrivastava, S. and Gopinathan, A. (2023). Bubaline tissues-based extracellular matrix scaffolds for tissue regeneration: current use and future prospectives. *Biofunct. Mater.* 2023(1):0008. <https://doi.org/10.55092/bm20230008>
- Kumar, N., Kumar, V., Rathore, H.S., Purohit, S., Gangwar, A.K. and Maiti, S.K. (2023). Polypropylene mesh versus mosquito net mesh for external abdominal hernias repair in cattle and buffaloes. *Buffalo Bulletin*, 42(3): 349-356.
- Kumar, N., Kushwaha, R.R., Meena, N.R., Mishra, H. and Yadav, A.P.S. (2023). A Study on Costs and Return on Paddy Cultivation in Ambedkar Nagar District of Uttar Pradesh. *International Journal of Statistic and applied Mathematics*, 8(3), 107-111.
- Kumar, N., Niyogi, D., Shrivastva, D.P., Singh, A., Tayagi, A., Tripathi, K.K. and Yadav, V. (2023). Isolation and histopathological examination of *P. malticida* in pneumonic cases of Buffaloes. *International Journal of Advanced Biochemistry Research*, sp-8(4), 268-273.
- Kumar, N., Singh, A.K., Bahadur, R., Kumar, R., Arora S., Mehta, V., Baheliya, A. K. and Kumar, D. (2023). Influence of long-term integrated nutrient management on soil properties, nutrient balance and productivity of rice-wheat cropping system



- in Central Indo-Gangetic plains. *Journal of Soil and Water Conservation, India*, 22 (3), 291-302.
- Kumar, P., Kumar, A., Kumar, V., Kamboj, R., Ravinder, Kundal, S., Chaudhary, S., Thakur, P., Bhardwaj, N., and Ashish (2023). In-vitro evaluation of Fungicides against Sheath Blight (*Rhizoctonia solani*) Disease of Rice. *Biological Forum – An International Journal*, 15(12), 278-281.
- Kumar, P., Kumar, R., Kumar, N., Rajput, A., Yadav, D.N. and Baheliya, A.K. (2023). Organic sources based nutrient management practices on growth and Indian Mustard. *Annals of Plant and Soil Research*, 25(1), 193- 196.
- Kumar, R., Khangembam, S.D., Gangwar, A.K., Yadav, V.K., Goyal, R.P., Kumar, R. and Verma, R.K. (2024). Comparison of proximal and distal intravenous regional anesthesia using lignocaine hydrochloride and ketorolac in bubaline. *Cattle Practice*. 32(1): 21-40. ORCID: <https://orcid.org/0000-0002-5486-5902>.
- Kumar, S., Singh, S.K., Chandra, U. (2024). Bioefficacy of Certain Combination Insecticides against Insect Pests in Tomato. *Environment and Ecology*, 42(3), 935-941.
- Kumar, V., Kumar, N., Gangwar, A. K. and Singh, R. (2024). Comparative evaluation of two different xenogenicacellular matrices on full-thickness skin wound healing. *Journal of Wound Care*, 33(3): 2-8.
- Kumar, V., Singh, D. K. and Singh, V.K. (2023). Cactus Pear: A Potential Crop for Climate Change. *International Journal of Trend in Research and Development*. 10(2), 417-419.
- Kumar, V., Singh, D. K., Singh, V.K., Yadav P. And Singh, A. K. (2023) Chironjii (*Buchanania lanzan* Spreng.) : A Potential Non-Timber Forest Tree. *Indian Journal of Agriculture and Allied Sciences*, 9(4), 74-78.
- Kumar, V., Singh, H., Yadav, S. K., Kumar, A, Singh, R.K, Chaurasiya, V.K. (2024). Construction of age-specific survival and fertility life table of Rice Brown Plant Hopper (*Nilaparvata lugens* Stal.) under natural conditions. *African Journal of Biological Sciences*, 6(7), 3432-3444.
- Kumar, V., Singh, R., Yadav, S.K., Vimal, S.C., Singh, D., Chandra, U., Veer, R., Dalal, P.K. (2024). Biology and Morphometric Characteristics of *Bactrocera dorsalis* (Hendel) on Mango fruit at room temperature. *African Journal of Biological Sciences*, 6(7), 3413-3431.
- Kumar, Y., Doharey, R.K., Meena, N.R., Yadav, V., and Verma, A. (2024). A Study on entrepreneurial behaviour of self-help group members under National Rural Livelihood Mission (NRLM) in Lakhimpur Kheri District of Uttar Pradesh. *International Journal of Agriculture Extension and Social Development*, 7(1), 193-195.
- Kumar, Y., Doharey, R.K., Meena, N.R., Yadav, V., Verma, A. and Kumar, G., (2023). A Study on Personal Demographic Traits of Self-help Group Members (SHG) under National Rural Livelihood Mission (NRLM) in Lakhimpur Kheri District of Uttar Pradesh, India. *Asian Journal of Agricultural Extension, Economics & Sociology*, 41(10), 951-958.
- Kumar, A., Pratap. B., Singh. H.K., Pandey. L., Singh. R. and Singh. A. (2023). Studies on different germplasm of bael (*Aegle marmelos* L.) based on chemical characters of bael under sodic soil condition of eastern Uttar Pradesh. *Biological Forum – An International Journal*. 15(6): 354-360.
- Kumar. A., Rajan. R., Pandey. K., Ramprasad. R.R., Kaur. G., Vamshi. T. and Singh. T. (2024). Impact of new generation plant growth regulators on fruit crops—A Review. *Horticultural Science*. 51(1): 1-22.
- Kumar. D., Ram. C.N., Habeeb. W., Rani. A., Suman. S.K. and Arshad. M. (2023). Genetic Divergence and Character Association Studies in Pumpkin (*Cucurbita moschata* Duch ex. Poir). *International Journal of Plant & Soil Science*. 35(21): 886-891.
- Kumar. D., Ram. C.N., Kumar. L., Kumar. M., Choudhary. R. and Rani. A. (2023). Correlation coefficient of yield and its components analysis in pumpkin (*Cucurbita moschata* Duch ex. Poir). *International Journal of Plant & Soil Science*. 36(07): 241-249.
- Kumar. D., Singh. H.K., Maurya. M.K. and Patel. S. (2023). Morph-cultural variability among different isolates of *Alternaria alternata* causing leaf spot of ber (*Ziziphus mauritiana* Lamk) in Eastern Uttar Pradesh. *Environment and Ecology*. 41(4C): 2914-2918.
- Kumar. J., Singh. H.K., SN. R., Singh. A. and Singh, A. (2023). Germplasm evaluation of aonla (*Emblica officinalis* Gaertn.) against rust (*Ravenelia emblicae* Syd.) for resistance. *The Pharma Innovation Journal*, 2023. 12(8): 1423-1426.
- Kumar. R., Ram. C.N., Kumar. V., Kumar. S., Prasad.



- L. and Rajbhar. R. (2024). Mean performance of parents and hybrid for fruit yield and yield contributing traits in bottle gourd (*Lagenaria siceraria* (Mol.) Standl.). *International Journal of Advanced Biochemical Research*. **8**(6): 566-571.
- Kumar. R., Singh. N., Maurya. H.K., Kumar. M. and Prasad. R. (2023). Qualified Studies on the Pathogenic Variability of *Alternaria brassicae*, the causal agent of blight disease of rapeseed-mustard. *International Journal of Environment and Climate Change*. **13**(8): 863-869.
- Kunal. B., Mishra, S.R., Singh, A.K., Mishra, A.N., Pandey, S. and Raj, J. (2024). Assessing the effect of the direction of transplanting and yield of Rice (*Oryza sativa* L.) under different crop growing environments. *Plant Archives*, 24 (1) 1628-1634.
- Luthra, N., Srivastava, A., Shahi, U.P., Singh, V.K., Dey, P. and Singh, A. (2023). Prediction of post-harvest soil nutrient status through multiple linear regression for targeted yield of hybrid maize. *Indian Journal of Agronomy*, 68(4), 119-122.
- Luthra. S., Ram. C.N., Yadav. L., Tiwari. C.P., Shivhare. H. and Prakash. S. (2024). Evaluation of the performance of parental lines and their F1 Hybrids for qualitative traits in Cucumber (*Cucumis sativus* L.). *International Journal of Advanced Biochemical Research*. **8**(6): 655-660.
- Manjappa, Pandiaraj, T., Ekka, R. S., Prabhu, I. G., Baig, M. M., Sahay, A. and Sathyanarayana, K. (2023). Composition of plant growth promoting rhizobacteria in forest and systematic plantations of tasar silkworm food plants and their relationship with soil and leaf nutrients. *Journal of Environmental Biology*. 44(3), 432-438.
- Mathur, A., Singh, V. K., Chaudhary, V., Mishra, P. K., Akram, M., Ali, K. and Roshan, V. K. (2024). A Comprehensive Review of Bulldozers in Modern Construction. *Journal of Scientific Research and Reports*, 30(5), 337-342.
- Mathur, B., Khan, N.A., Dwivedi, D.K., Kumar, A., Kumar, A. and Kumar, R.K. (2023). Estimation of enzymatic and non-enzymatic activity of rapeseed- mustard *Alternaria* blight. *The Pharma Innovation journal*, 12(7), 3529-3533.
- Maurya S.P., Nandan, A., Srivastav, S., and Shukla, P. (2023). Attitude and Anxiety Among High School and Intermediate School Children. *International Journal of Agriculture Sciences*, Volume 15, Issue 5, pp.- 12321-12323. ISSN: 0975-3710 & E-ISSN: 0975-9107.
- Maurya, P.K., Singh, R.K., Chandra, G., Kumar, P., Roy, D., Fahim, A., Ramakant, Gautam, S. and Singh, M.K. (2024). Effect of silymarin and selenium-yeast supplementation on liver functions of Barbari goat during cold stress. *International Journal of Advance Biochemistry Research*. **8**(3): 619-623.
- Maurya. A.K., Pratap B., Sonkar. A., Tiwari. S., Yadav.G., Pratap. R., Singh. B. and Kumar. P. (2024). Evaluation of different varieties and genotypes of Aonla (*Emblia officinalis*) under sodic soil condition of Eastern Uttar Pradesh, India. *International Journals of Environment and Climate Change*, Vol. 14, Issue-2 pp 100-105.
- Maurya. S., Arya. K.Y., Verma. S.K., Chahal. R., Milan. A., Dhakal. D. and Chhetri. N.S. (2023). Effect of Temporal Variation in Mineralization of Nutrients through Sewage Sludge, Farm Yard Manure and Vermicompost in Soil. *International Jr. of Plant & Soil Science*. **35** (4): 100-109.
- Milan. A., Kumar. P., Katiyar. A., Singh. A., Singh. A. and Raghuvanshi. R. (2023). Management of leaf spot of turmeric caused by *Colletotrichum capsici* through different Fungitoxicants. *The Pharma Innovation Journal*. **12**(8): 1277-1279.
- Mishra, H., Supriya, Gautam, S., Srivastava, A. B., and Neerugatti, M. P. (2023). A comparative economic analysis of cucumber and bitter gourd cultivation in Sultanpur District of Uttar Pradesh, India. *International Journal of Environment and Climate Change*, 13(8), 1035-1045.
- Mishra, P. K., Kumar, M., Shivam, V. K. S., Singh, D. K., Singh, R. J., Kumar, A., & Gupta, A. (2023). Development of battery operated walk behind type sprayer. *The Pharma Innovation Journal* 2023; 12(9): 67-73.
- Mishra, P. K., Sharma, A., and Prakash, A. (2023). Current research and development in cotton harvesters: A review with application to Indian cotton production systems. *Heliyon*. [Volume 9, Issue 5](#), e16124.
- Mishra, P. K., Singh, M., Dixit, A., Patel, B., Gautam, A., Pandey, S. K., & Sharma, K. (2023). Effect of cleaning methods on trash contents and fibre quality for seed cotton. *International Journal of Bio-resource and Stress Management*, 14(2), 338-346.
- Mishra, R.P., Kumar, S., Kumar, A. and Tarkeshwar (2023). Genetic analysis of polygenic traits in maize. *Electronic Journal of Plant Breeding*,



- 14(3), 1185–1190.
- Mishra, R.P., Kumar, S., Kumar, A. and Tarkeshwar (2023). Studies on interrelationship and path coefficient of quantitative traits in maize (*Zea mays* L.). *The Pharma Innovation Journal*, 12(9), 2562-2570.
- Mishra. A., Singh, D., Verma. S.K., Chandra. J. and Kumar. H. (2023). Effect of Salicylic acid, 2, 4-dichlorophenoxyacetic acid and gibberellic on growth, flowering, and fruit quality of Cape gooseberry (*Physalis peruviana* L.), *International Journal of Minor Fruits, Medicinal and Aromatic Plants*. Vol. 9(2): 135-140.
- Mishra. R.S. (2023). Effect of Plant Spacing and FYM on the growth, yield and diseases of *Aloe vera*. *International Journal of Agriculture Sciences*. 15(7): 12445-12446.
- Mishra. R.S. and Bahadur. R. (2023). Effect of bio-agents and organics against Fusarium wilt of Ashwagandha: *International Journal of Plant and Soil Science*. 35(21): 846-853.
- Misra, V. K., Gupta, S., Singh, C. P., Singh, S. and Kumar, A. (2023). Nanoencapsulation of nutrients in fish feed: Enhancing Bioavailability, Absorption and health benefits for farmed fish. *Biological Forum*, 15(5a), 632-639.
- Misra, V. K., Singh, C. P., Singh, S., Kumar, A. and Mishra, B. P. (2024). Adoption level of scientific carp polyculture technology in East Kameng district of Arunachal Pradesh, India. *Journal of Experimental Zoology India*, 27 (1), 401-405.
- Misra, V. K., Singh, S., Singh, C. P. and Kadirvel, G. (2024). Study on the suitability and growth performance of *Labeo calbasu* (Hamilton, 1822) in Mid hill areas of Arunachal Pradesh, India. *Journal of Experimental Zoology India*, 27 (1), 351-356.
- Mridula, P., Singh, S., Tripathi, R., Mishra, A., Singh. P.K., Tiwari, H., Dwivedi P. and Kumar S. (2024). Millets for food and nutrition security: A review. *International Journal of Plant and soil science*. 36(2)238-247.
- Muniandi, B., Kumar, N.A., Maurya, S.P. Maurya P.L. and Ray, S. (2024) Bio-electronics interface between Electronics and biological system for healthcare. *iPower System Tecnology*. Vol 48 (1) pp 698-713
- Nandakumar, S., Singh. V.J., Sonu, Gopalakrishnan, S., Bhowmick, P.K., Ellur, R.K., Bollenedi, H., Harshitha, B.S., Yadav, S., Beniwal, R., Nagarajan, M., and Singh, A.K. (2024). Genetic mapping for flag leaf shape in new plant type based recombinant inbred lines in rice (*Oryza sativa* L.). *Indian Journal of Genetics and Plant Breeding*, 84(1), 52-62.
- Nandakumar, S., Singh, V. J., Sonu, Vinod, K. K., Krishnan, S. G., Dixit, B. K., Harshitha, B. S., Ragi, S., Ellur, R. K., Bollinedi, H., Nagarajan, M., Singh, A. K., & Bhowmick, P. K. (2024). Genetic mapping for flag leaf shape in new plant type based recombinant inbred lines in rice (*Oryza sativa* L.). *Indian Journal of Genetics and Plant Breeding*, 84(01), 52–62. <https://doi.org/10.31742/ISGPB.84.1.4>.
- Nandan, A., Maurya, S.P., Srivastav, S. and Prachi Shukla (2023). Nutritional status of high school and intermediate school children. *The Pharma Innovation Journal* 12(6): 2131-2133 ISSN: 2277-7695.
- Nishad. S., Ulman. Y., Yadav. R.K. Yadav. R., Kumar. V., Singh. R.P., Ali. A. and Kumar. S. (2024). Gender roles, decision-making and challenges to agroforestry system adoption in Ayodhya district, Uttar Pradesh. *Indian Journal of Ecology*. 51(3): 511-520.
- Padimi, V., Manisha, B.L. Singh, S.K., and Mishra, V.K (2023). Communication in insects: A review. *Journal of Experimental Zoology, India*, 26(2), 1317-1327.
- Pandey, A., Mishra, S.R., Agrahari, R.K., Singh, A.K., Mishra, A.N. and Singh, A.K. (2024). “Agrometeorological Indices of Wheat (*Triticum aestivum* L.) Crop under Varying Thermal Regimes and Moistures Levels.” Accepted in *Environment, Ecology and conservation* on dated 12-07-2024.
- Pandey, A., Mishra, S.R., Mishra, Agrahari, R.K. and Singh, A.K. (2023). Influence of Weather Variability on the Growth and Development of Wheat Crop: A Review. *International journal of Agriculture, Environment and Biotechnology*, 16 (04), 275-285.
- Pandey, A., Mishra, S.R., Singh, A.K., Mishra, A.N., Agrahari, R.K. and Gupta, S. (2023). Study on Crop-Weather Calendar of Rice for the District of Faizabad of Eastern Plain Zone of UP. *Biological Forum – An International Journal*, 15(8), 371-377.
- Pandey, A., Mishra, S.R., Singh, A.K., Mishra, A.N., and Agrahari, R.K. (2024). Effect of different thermal regimes and moisture levels on growth



- parameters of wheat (*Triticum aestivum* L.) crop grown under Agro-climatic condition of Eastern Uttar Pradesh, India. *International Journal of environment and climate change*. 14(04), 827-841.
- Pandey, M., Singh S., Singh P., Joshi, N. and Kumar, M. (2024). The nutritional status comparison between rural and urban postmenopausal women in Ayodhya District. *European Journal of Nutrition and Food safety*, 16 (6): 55-66.
- Pandey, M., Singh, S., Singh, P., Joshi, N. and Kumar M. (2024). The nutritional status comparison between the rural and urban post-menopausal women in Ayodhya district, India. *European Journal of Nutrition and Food Safety*. 16(6).55-66.
- Pandey, S. K., Job, M., Mishra, P. K., & Pandey, S. (2023). Impact of Shellac and Gum Arabic in Shoe Polish Formulation based on Karanj Oil. *International Journal of Bio-resource and Stress Management*, 14(Nov, 11), 1480-1486.
- Pandey, L., Pathak, S., Singh, J., Pandey, K., Singh, R. and Kumar, A. (2023). Influence of different feeding methods of NPK and Boron on fruit yield and economic feasibility of newly planted dragon fruit (*Hylocereus costaricensis*).
- Pandiaraj, T., Singh, J., Das, S., Sathyanarayana, K., Giri, S., Kar, P. K., Patnaik, M. and Patnaik, B. (2023). Optimization of macronutrients application in *Terminalia tomentosa* (Asan) for sustainable tasar silk production. *Journal of Environmental Biology*. 44(3), 439-444.
- Pandiaraj, T., Yadav, H., Manjappa, Singh, J., Sathyanarayana, K., Singh, D. K. and Yadav, P. (2023). Screening of efficient drought tolerant accessions of *Terminalia arjuna* plant for sustainable Tasar sericulture production based on biochemical tools. *Journal of Environmental Biology*, 44(3), 425-431.
- Pandiaraj, T., Yadav, P. and Singh, D. K. (2023). Middle Indo-Gangetic plains: a comprehensive report on agricultural issues and potential challenges for improving livelihood of the farmers. *Indian Journal of Agriculture and Allied Sciences*. 9(2), 103-107.
- Patel, P.K., Singh, S.K., Chandra, U., Sharma, K.R. and Ravi Kumar Rajak (2024) Screening of rapeseed mustard germplasms against mustard aphid, *Lipaphis erysimi* (Kalt.). *Journal of Entomological Research*, 48 (2):203-208.
- Patel, P.K., Singh, S.K., Sharma, K.R. (2024). Influence of Abiotic Factors on Pest Dynamics in Rapeseed Mustard. *Research Biotica*, 6(1), 33-37.
- Patel, S.N., Kumar, P., Raghuvanshi, V.V., Patel, S.K., Siddharth, P., Singh, A. and Milan, A. (2023). Morphological Characterization and Pathogenicity Test of *Alternaria* Leaf Spot of Chinese Cabbage (*Brassica chinensis* L.). *International Journal of Plant & Soil Science*. 35(19): 1616-1625.
- Pathak, A., Prasad, L., Kumar, D., Singh, C.P., Gupta, G., Kanaujiya, S., Singh, M. B., Yadav, S. K. (2023). Substituting Commercial Fish Feed with Azolla: Assessing Growth Performance in a Mixed Culture of Pangas (*Pangasianodon hypophthalmus*) and Grass carp (*Ctenopharyngodon idella*). *AMA*, 54(12), 17281-17289.
- Pathak, R., Chandra, U., Singh, S.K., Pankaj Kumar, Patel, P.K. and Kumar, A. (2024). Biology and morphometry of fall armyworm, *Spodoptera frugiperda* (J.E. Smith) (Lepidoptera: Noctuidae) on maize. *Journal of Experimental Zoology, India*, 27 (1), 927-931.
- Pooja, Mehta, V., Kumar, S. and Kushwaha, R.R. (2023). Regression models for forecasting pulses area and production in India. *International Journal of Statistics and Applied Mathematics*, 8(5), 109-115.
- Pooja, Mehta, V., Kumar, S., and Kushwaha, R.R. (2023). Regression model for Forecasting Pulses Area and Production in India. *International Journal of Statistic and applied Mathematics*, 8(5), 109-115.
- Prakash, R., Kumar, R., Vishudha Nand, Kumar, N., Kumar, A. Baboo, K. (2023) Influences on Growth Parameters and Yield of Various Moisture Regimes and Weed Management Practices on Drum Seeded Rice (*Oryza sativa* L.). *International Journal of Plant and Soil Science*, 35(18), 2106-2115.
- Prakash, S., Reddy, S.S., Chaudhary, S., Vimal, S.C. and Kumar, A. (2023). Multivariate analysis in rice (*Oryza sativa* L.) germplasm for yield attributing traits. *Plant Science Today*, 11(1), 64-75.
- Prakash, S., Reddy, S.S., Chaudhary, S., Vimal, S.C., and Kumar, A. (2023). Multivariate analysis in rice (*Oryza sativa* L.) germplasms for yield attributing traits. *Plant Science Today*, 11(1), 64-75.
- Prasad, L., Ram, C.N., Rajbhar, R., Kumar, V.,



- Chaudhary. A.K. and Kumar. R. (2024). Evaluation of the performance of parental lines and their F1 hybrids for yield and attributing traits in pumpkin (*Cucurbita moschata* Duch. ex. Poir.). *International Journal of Advanced Biochemical Research*. **8**(6): 572-578.
- Pratap, A., Kushwaha, R.R., Kumar, A., Mourya, K.K. and Shakya, A.K (2024). Resource use efficiency and constraints of Sugarcane Production in Ayodhya District of Uttar Pradesh. *International Journal of Agriculture Extension and Social Development*, **7**(5), 53-57.
- Pratap, A., Kushwaha, R.R., Kumar, M., Maurya, S.K. and Neerugatti, M.P. (2024). An Economic Analysis of Sugarcane Cultivation in Ayodhya District of Uttar Pradesh. *International Journal of Agriculture Extension and Social Development*, **7**(5), 47-52.
- R. Rajan., Ahmad. M. F., Pal. A. K. and Pandey. K. (2023). Assessment of radiation sensitivity and regeneration in shoot tip culture of banana cv. Grand Naine. *Indian Journal of Horticulture*. **80**(04): 313-318.
- R. Rajan., N. Rahmani., Pandey. K., Prusty. R. and Singh. S. (2023). A review on metabolomics for quality improvement of fruit crops. *Plant Science Today*, **10**(3): 117-126.
- Rai, R.H., Singh, R.B., Mehta, V., Sakhi, Asif, M., Goyal, K., Balodhi, A., Manglik, P., Sharma, A. and Chahal, A. (2023). Impact of exercise training duration on obesity and cardiometabolic biomarkers: A systematic Review. *Journal of Diabetes and Metabolic Disorders*, **22**, 155-174.
- Rai, V., Choudhary, P.K., Maurya, P.K., Kumar, P., Srivastava, D.P., Maurya, S.K. and Kumar, A. (2023). Effect of spring and summer seasons on some biophysiological markers in buffaloes. *Indian Journal of Animal Research*, doi:10.18805/IJAR.B-5001. [ISSN: 0367-67227 E-ISSN: 0976-0555].
- Rai, V., Choudhary, P.K., Maurya, P.K., Kumar, P., Srivastava, D.P., Maurya, S.K. and Kumar, A. (2024). Alterations of hemato-biochemical responses on adaptability of buffaloes in eastern plane zone of Uttar Pradesh. *International Journal of Advanced Biochemistry Research*, SP-8(4): 304-309. [ISSN: 2617-4693 E-ISSN: 2 6 1 7 6 - 4 7 0 7] . <https://doi.org/10.33545/26174693.2024.v8.i4.Sd.978>
- Rai. M., Ram. C.N., Kumar. A., Jha. A. and Singh. A.K. (2023). Studies on Genetic Divergence of Parental Lines and Their F1 Progeny in Bottle Gourd [*Lagenaria siceraria* (Mol.) Standl.]. *International Journal of Plant & Soil Science*. **35**(16): 33-39.
- Rai. M., Ram. C.N., Singh. A.K., Jha. A., Kumar. A., (2023). Estimation of Heritability (Narrow sense) and Genetic Advance for Yield and Quality Traits in Bottle Gourd [*Lagenaria siceraria* (Mol.) Standl.]. *Biological Forum – An International Journal*. **15**(6): 281-283.
- Rajak, R.K., Kumar, P., Chandra, U., Singh, S.K., Chaudhary, V.P., Chandra, S., and Devi, R. (2024). Seasonal Incidence of Major Insect Pests in Mungbean; *Vigna radiata* (L. Wilczek). *Journal of Advances in Biology & Biotechnology*, **27**(5), 247-255.
- Rajak, R.K., Kumar, P., Devi, R., Chandra, U., Singh, S.K., Sharma, K.R. and Ram Veer (2024). Biology of Maize Stem Borer, *Chilo partellus* [Swinhoe] under Laboratory Conditions. *International Journal of Environment and Climate Change*, **14**(2), 1-5.
- Rajput, J., Singh, A. K., Singh, S., Singh, S., Singh, S., Singh, A. K., & Yadav, R.K. (2023). Physiological impact of wheat varieties at different growth stages. *Plant Archives*, **23**(02), 462-467.
- Ramadhan J. Ali, Bohra, D., Supriya, Srivastava, B., Kumar, A., Prateek, Gautam, S., Suman, Lal Priyanka, Mostafa, A. and Hussein, A. (2024). Production, Sustainability and fish trade Prospect of India by using Markov Chain Analysis BIO Web of Conferences, **97**(00132), 1-7.
- Ramadhan, J. Ali, Tiwari, K., Ankit, Kumar, B., Supriya, Mishra, H., Gautam, S., Gautam, R., Mostafa, A. and Hussein, A. (2024). Comparative Economics of Maize Crop in Kharif and Rabi Season. BIO Web of Conferences, **97**(00134), 1-99.
- Ritendra, Khan, N.A., Pooja, Singh, A., Antardani, S., Ahamed, N., Saroj, S. and Yadav, S. (2023). Protein Profiling by SDS- PAGE Gel Electrophoresis of Wheat (*Triticum aestivum* L.) Crop under Salinity Condition. *Frontiers in Crop Improvement*, **11**(1), 411-413.
- Sakhahari, D.S., Srivastava, S., Alam, K., Saurabh, Verma, A.K., Verma, S.K., Jaiswal, A., Alam, A., Kumar, P., Tyagi, A., Dwivedi, P., Srivastav, A., and Yadav, S. (2024). Effect of Melatonin as Semen Additive to Tris Extender on Frozen



- Semen Quality of Murrah Bull Semen. *AMA, Agricultural Mechanization in Asia, Africa and Latin America*, 55(04): 17743- 17752.
- Shakya, A.K., Supriya, Kushwaha, R.R., Kumar, M. and Pratap, A. (2024). Estimation of the cost and returns of potato cultivation in Farrukhabad district of Uttar Pradesh. *International Journal of Research in Agronomy*, 7(3), 531-536.
- Sharma, K.R., Raju, S.V.S., Singh, S.K., Singh, R. and Meena, R.S. (2024). Rice genotypes and the biochemical basis of resistance against brown planthopper, *Nilaparvata lugens* (Stål). *Entomon*, 49(2), 215-220.
- Sharma, P., Srivastava, S., Kant, R., Singh, B. and Saurabh (2024). In-vitro antibacterial activity of *Zingiberofficinale* (ginger) against bacteria isolated from reproductive tract of clinical endometritic Murrah buffaloes. *The Indian Journal of Animal Sciences*, 94(5): 465-468.
- Sharma. K.R., Raju, S.V.S., Meena, R.S., Singh, S.K., and Singh, R. (2024) Evaluation of rice genotypes and varieties for resistance to white-backed plant hopper, *Sogatella furcifera* (Horvath) (Hemiptera: Delphacidae). *Journal of Entomological Research*, 48(2), 198-202.
- Shashank Verma, Vijay Kumar Singh, PK Mishra, SK Pandey, Vipul Chaudhary, Paul Arjun Sanjay, Shivam, Manish Kumar, Vikas Kumar Singh. Techno economic feasibility of sugarcane (*Saccharum officinarum* L.) peeling machine. *Int J Stat Appl Math* 2024;9(2S):150-154.
- Shrigovind, Nath, S., Gautam, K., Babu, K., Vimal, S.C., Dixit, R., Kumar, A., Gupta, A.K. and Gupta, R. (2024). Analysis of genetic variability, heritability and genetic advance for yield and yield-associated traits for rice (*Oryza sativa* L.) improvement. *African Journal of Biological Sciences*, 6(5), 10437-10447.
- Shukla, A.K., Behra, S.K., Lakaria, B.L. and Tripathi, A. (2023). Effect of land use and soil depth on the distribution of phyto-available nutrients and SOC pools of vertisols in central India. *Environmental monitoring and assessment*, 195, 1405.
- Shukla, P., Singh, S., Srivastav, S. and Maurya, S.P. (2024). "The Crucial Role of Hygiene in Shaping Early Childhood Development: A Comprehensive Review". *Archives of Current Research International* 24 (5) pp:691-95.
- Singh, A. K. (2023). Study of the income from sorghum under different farm size groups. *Indian Journal of Agriculture and Allied Sciences*. 9(4), 47-48.
- Singh, A. K. (2023). Study of the productivity and economics of mustard (*Brassica campestris*) under different farm size levels. *Indian Journal of Agriculture and Allied Sciences*. 9(4), 17-18.
- Singh, A. K. (2023). Study the economics of brinjal with use of organic and inorganic fertilizers 95. on farmers' tracks. *Indian Journal of Agriculture and Allied Sciences*. 9(1), 18-19.
- Singh, A. K., Singh, D. K., Yadav, P., Pandiaraj, T. and Kumar, V. (2023). Organic food products distribution system: Producer to consumer. *International Journal of Agriculture and Allied Sciences*, 9(4), 79-83.
- Singh, A., Dwivedi, D.K., Khan, N.A., Dixit, S., Antardani, S., Ritendra, Pooja and Kumari, P. (2023). Morphological Screening and Genetic Variability Analysis in Rice (*Oryza sativa* L.) Genotypes for salinity Tolerance. *Current Journal of Applied Science and Technology*, 42(22), 34-39.
- Singh, A., Singh, A.K., Pandey, A.K., Singh, R., and Singh, A. (2023). Impact of different age of seedlings and double transplanting on growth and yield of rice under rainfed condition. *The Pharma Innovation Journal*, 112(6), 4821-4826.
- Singh, A., Singh, S.V., Singh, J.P., Kumar, R. and Singh, N.K. (2024). In Vitro Efficacy of Curcuma longa in Combating Staphylococcus aureus Subclinical Mastitis in Buffalo. *The Indian Journal of Veterinary Sciences and Biotechnology* (IJVSBT), 20 (2): Pp-107-110.
- Singh, A.K., Dwivedi, D.K., Kumar, K., Dixit, D., Singh, A., Dixit, S., Khan, N.A., and Kumar, A. (2023). Genetic variability, character association and path coefficient analysis in rice (*Oryza sativa*) genotypes of semi-arid region of India. *Indian Journal of Agricultural Sciences*, 93(8), 844-849.
- Singh, A.K., Kumar, D., Gemmati, D., Ellur, R.K., Singh, A., Tisato, V., Dwivedi, D.K., Singh, S.K., Kumar, K., Khan, N.A., Singh, A.V. (2024). Investigating Genetic Diversity and Population Structure in Rice Breeding from Association Mapping of 116 Accessions using 64 Polymorphic SSR Markers. *Crops*, 4, 180-194.
- Singh, A.S., Meena, N.R., Doharey, R.K., Singh, A., Singh, R., Kumar, G., and Singh, S. (2024). Study on personal traits of the pea growers of two identified districts of eastern Uttar Pradesh. *International Journal of Agriculture Extension and Social Development*, 7(5), 269-271.



- Singh, A.S., Meena, N.R., Doharey, R.K., Tripathi, U., Amrit Warshini, Kumar, G., and Singh, R. (2024). Constraints faced by the pea growers in adoption of pea production and possibilities of future prospectus for promotion of pea production technology International Journal of Research in Agronomy, 7(6), 163-168.
- Singh, B., Pramanik, P. S., Singh, J., Singh, K.D. Singh, H.K., Kumar, G. and Ali, S. (2024). Assessment of blood biochemical and haematological profiles during peri-parturient period in Muzaffarnagari sheep. *International Journal of Advanced Biochemistry Research*. SP-8(3): 438-444.
- Singh, G. and Dubey, R. (2024). Empowering women through macrame craft training. *International Journal of Current Research and Academic Review*. 2024; 12(6): 118-120.
- Singh, G. and Kalsy, M., (2024). Banana Fiber Waste: Potential and Utilization. *International Journal of Creative Research Thoughts*, Vol.12(6):85-89.
- Singh, H.K., Singh, A., Pal, V.K., Tiwari, V.K., Niyogi, D., Shekhar, C. and Srivastava, D.P. (2024). Antitheilerial drugs' efficacy against tropical theileriosis in the buffalo of eastern region of Uttar Pradesh. *Journal of Experimental zoology, India*, 27(1), 907-913.
- Singh, K., Singh, C. P., Kumar, D., Singh, A. and Saroj, J. (2024). Diversity and distribution of planktonic population in sodic soil conditional pond of Eastern Uttar Pradesh, India. *Journal of Experimental Zoology India*, 27(1), 503-508.
- Singh, M.B., Prasad, L., Kumar, D., Verma, S. K., Pathak, A., Soni, M., Kanaujiya, S., Dubey, S., Kalaria, K. K., Pal, J. (2024). Effect of Cattle Dung and Gypsum on Growth of Indian Major Carp, Rohu (*Labeo rohita*) Fry under Sodic Soil Conditions. *AMA*, 55(3), 17455-17469.
- Singh, N., Kumar, M., Singh, K.N., Sathapathy, S., Chaurasia, D.K., Lade, D. and Verma, A. (2024). Gross morphological studies on mammary gland of Barbari goat. *International Journal of Veterinary Sciences and Animal Husbandry*, 9(2): 796-800.
- Singh, N., Kumar, N., Kumar, A., Singh, R.R., Yadav, S., and Singh, A. (2023) Effect of Foliar Application of Nutrients on Yield and Nutrient Uptake by Rice Crop. *Journal of Environment and Climate Change*, 13(11), 451-460.
- Singh, P., Singh, A.K. Mishra, S.R., Agrahari, R.K. and Pandey, A. (2023). Effect of different growing environments on growth and development of maize crop (*Zea Mays*. L.). *International journal of Statistics and applied mathematics*, 8 (4), 198-201.
- Singh, P., Sumangala, P.R., Verma, B., and Singh, S. (2024). Housing Related Problems of Old Persons In Dharwad City. *International Journal of Creative Research Thought*, Vol. 12 (6) pp:137-143.
- Singh, P., Tiwari, A., Vimal, S.C. and Meena, N.R. (2023). Millets: Climate resilient, nutritious, marginal crop in today's era. *International Journal of Statistics and Applied Mathematics*, 8(6), 82-87.
- Singh, P.K., Gangwar, A.K., Khangembam, S.D., Verma, R.K., Yadav, V.K., Singh, Y., Chandrashekher, Goyal, R.P., Singh, N.K. (2024). Development of Cellulose Scaffolds Derived from *Ficus benjamina* Leaves for Tissue Engineering Applications. *Trends Biomaterials and Artificial Organs*. 38(2): 85-98.
- Singh, P.K., Singh, K.K., Supriya, Yadav, B., Kumar, A., and Verma, S. K. (2023). Understanding Capital Structure in Flower Farms, Varanasi, Uttar Pradesh, India. *Asian Journal of Agricultural Extension, Economics & Sociology*, 41(9), 766-773.
- Singh, R., Doharey, R.K., Meena, N.R., Singh, A., Singh, S. and Singh, A.S. (2024). Accessibility and mass media utilization of extension personnel towards e-extension tools. *International Journal of Agriculture Extension and Social Development*, 7(5), 31-35.
- Singh, R., Doharey, R.K., Meena, N.R., Singh, A., Singh, S., and Singh, A.S. (2024). Exploring the benefits of e-Extension Tools: Perspectives from Extension Personnel. *Journal of Scientific Research and Reports*. 30(7), 93-102.
- Singh, R., Doharey, R.K., Meena, N.R., Singh, A., Singh, S., and Singh, A.S. (2024). Impact of key factors influencing the attitude of extension personnel towards e-Extension. *African Journal of Biological Sciences*, 6(8), 344-357.
- Singh, S., Doharey, R.K., Singh, R., Singh, Shankar, A., Shyam Ji and Jaipal. (2023). Study of Socio-economics condition of vegetable growers in Mau District of Uttar Pradesh *International Journal of Statistics and Applied Mathematics*, 8(4), 335-338.
- Singh, S., Prasad, S., Bhati, J., Kushwaha, V., Kumar, V. and Singh, P. K. (2023). Identification and



- Evaluation of Rice (*Oryza sativa* L.) Genotypes/Varieties for Drought Tolerance: Growth & Yield Approaches. *International Journal of Plant & Soil Science*, 35, 367-375.
- Singh, S., Prasad, S., Yadav, R., Kumar, A., Chauhan, P. and Zaidi, S.T (2023). Physio- biochemical changes and its effect on growth and yield under drought stress condition, *International Journal of Statistics and Applied Mathematics*, 8(3), 808-813.
- Singh, S.V., Singh, J.P., Singh, N.K. and Niyogi, D. (2024). Awareness status of farmers on mastitis predisposing factors in Ayodhya Region. *Veterinary Practitioner*, 25(1): 24-26.
- Singh, S.V., Singh, J.P., Srivastva, D.P., Yadav, V., Niyogi, D., Joshi, R.K., Yadav, D. and Gupta, R. (2023). Teat Health and mastitis in Buffalo. *Indian Journal of Animal research*, 10.18805/IJAR.B-5186.
- Singh, V. K., Singh, V. K., Kumar, M., & Mishra, P. K. (2023). Agricultural Water Footprint Studies for Sustainable Agricultural Water Management-A Review. *Int. J. Environ. Clim. Change*, 13(9), 238-250.
- Singh, A., Doharey, R.K., Singh, A. and Sudhanshu. (2024). Analysis of Farmers Attitude towards Farmers Producer Organizations (FPOs) in Eastern Uttar Pradesh, India. *Asian Journal of Agricultural Extension, Economics & Sociology*, 41(11), 346-351.
- Singh, A., Singh, H.K., Raghuvanshi., Singh, R., Singh, A. and Milan. A. (2023). Assessment of different culture media on the growth and sporulation of *Alternaria alternata* causing leaf spot of bael (*Aegle marmelos* Correa). *The Pharma Innovation Journal*. 12(7): 3755-3760.
- Singh, B., Chaubey. T., Pandey. S., Singh. R.K., Upadhyay. D.K., Jha. A. and Pandey. S.D. (2023). Categorization of Diverse and Stable Extant Cultivars of Brinjal by using Phenomorphometric DUS Characters. *Indian Journal of Plant Genetic Resources*. 36(1): 1-18.
- Singh, B., Chaubey. T., Singh. R.K., Upadhyay. D.K., Jha. A. and Pandey. S. (2024). Genetic variation in phenatic traits of extant varieties of brinjal (*Solanum melongena* L.). *Journal of Applied Horticulture*. 26(1): 107-111.
- Singh, G.A., Singh, H.K., Singh, R., Naik, E.K., Pandey, S., Kumar, D., Tiwari, S., Maddheshiya, A. and Pundir, S.K. (2023). Cultural and morphological variability among isolates of *Myrothecium roridum* causing leaf spot of bael. *International Journal of Plant & Soil Science*. 35(24): 244-252. ISSN: 2320-7035.
- Singh, H.K., Pratap, B., Maheshwari, S.K., Gupta, A., Chug, A., Singh, A.P. and Singh, D. (2023). Spray Prediction Model for Aonla Rust Diseases Using Machine Learning Techniques. *Journal of Agricultural Science and Technology*. doi: 10.17265/2161-6264/2023.01.001.
- Singh, J., Sharma, A. and Sharma, V. (2023). Comprehensive genome-wide identification and transferability of chromosome-specific highly variable microsatellite markers from citrus species. *Scientific Reports*. 13, 10919.
- Singh, N., Ram, C.N., Anjana, C.S., Singh, R.K., Singh, H. and Maurya, H.K. (2023). Studies on Genetic Divergence Analysis of Coriander Germplasm (*Coriandrum sativum* L.). *Biological Forum – An International Journal*. 15(10): 1213-1216.
- Singh, V., Pathak, S., Pandey, K. and Singh, J. (2023). Effect of Low-Density Polyethylene on Shelf Life and Fruit Quality of Indian Gooseberry (*Emblica officinalis* Gaertn.). *Int. J. Plant Soil Sci*. 35(18): 704-715.
- Sonu, Nandakumar, S., Singh, V.J., Pandey, R., Gopalakrishnan, S., Bhowmick, P.K., Ellur, R.K., Bollenedi, H., Harshitha, B.S., Yadav, S., Beniwal, R., Nagarajan, M., and Singh, A.K. (2024). Implications of tolerance to iron toxicity on root system architecture changes in rice (*Oryza sativa* L.). *Frontiers in Sustainable Food Systems*, 7, 1334487.
- Srikanth, B., Nath, S., Yadav, A., Kumar, S. and Yadav, S.K. (2024). Assessment of genetic variability and divergence on chickpea (*Cicer arietinum* L.). *International Journal of Advanced Biochemistry Research*, 8(3), 599-604.
- Srikanth, B., Nath, S., Yadav, A., Kumar, S. and Yadav, S.K. (2024). Understanding correlation and path analysis in chickpea (*Cicer arietinum* L.) under late sown conditions. *International Journal of Advanced Biochemistry Research*, 8(3), 595-598.
- Srivastava, A.B., Singh, K.K., Kushwaha, R.R., Mehta, V., Srivastava, S. and Tiwari, A.K. (2024). A Garrett ranking analysis: Constraints in the cultivation of sugarcane production in Ghazipur district of Uttar Pradesh. *International Journal of Agriculture Extension and Social Development*, 7(5), 190-192.



- Srivastava, A.B., Singh, K.K., Supriya, Mishra, H., Yadav, N.D., Nishad, C.D. (2024) Economic study on costs and returns of sugarcane in Ghazipur district of Uttar Pradesh. *International Journal of Research in Agronomy*, 7(5), 751-757.
- Srivastava, A.B., Singh, K.K., Supriya, Srivastava, S., Srivastava, A., Neerugatti, M.P. and Verma, S.K., (2024). Stability analysis of Indian Sugar Export – A Markov Chain Approach. *African Journal of Biological Science*, 6(12), 3808-3814.
- Srivastava, S., Aspak, Rana, M., Katyayani, K. K. S., Kaushik, D., Kumar, R., Shukla, M., Kumar, S., Manda R. R. and Singh, V. P. (2023). Exploring the bioefficacy of Endophytic bacteria against Important Plant Pathogens. *Journal of Biopesticides*, 16(1), 79-99.
- Srivastava, S., Gautam, V., Sharma, P., Saurabh, Kumar, R. and Kumar, R. (2023). Macro and microscopic examination of ovarian pathologies in abattoir samples of buffalo of Agra region, Uttar Pradesh, India. *Buffalo Bulletin*, 42(4), 527-543.
- Srivastava, D.P., Niyogi, D., Swaminathan, M., Chandra Sekhar, Singh, K.P., Singh, D.D., Singh, S.V., Singh, J.P., Yadav, V., Gupta, R.K. and Kumar, H. (2023). Pathological and immunohistochemical investigation of PPR virus in goats from Ghazipur district of Eastern Plain Zone of Uttar Pradesh. *Indian Journal of Veterinary Pathology*, 47(04): 292-299.
- Srivastava, D.P., Niyogi, D., Tripathi, K.K., Singh, S.V., Srivastava, M., Rai, V., Yadav, V. and Kumar, A (2023). Diagnosis of PPR virus through histological, immunohistochemical and molecular applications in Azamgarh districts of Eastern Uttar Pradesh. *Veterinary Practitioner*, 24(2): 64-69.
- Sunil, N. C., Pal, R., Chaudhary, V., Kumar, V., Kumar, R., & Kumar, R. (2023). Evaluation of cooking properties of multi-flour noodles. *International Journal of Statistics and Applied Mathematics* 2023; SP-8(5): 766-769.
- Supriya, Srivastava, A.B., Kumari, B., Yadav, S., Shrivastava, A. Neerugatti, M.P. (2023) Comparative Analysis of Sugarcane Production for South East Asia Region. *Sugar Tech.*, 26(01), 264-273.
- Swami, P., Singh, J., Lakeshar, M.M., Swami, R.R., Verma, M.K., Verma, N. and Meena, S.K. (2024). Discriminatory Analysis of Principal Components (DAPC) for Ancestry Estimation in Indian Sheep Populations. *Biological Forum – An International Journal* 16(1): 01-04.
- T. Pandiaraj, Yadav, P., Singh, D. K. and Kumar, V. (2023). Response of foliar application of humic acid and micronutrient mixture on growth and grain yield of maize crop. *Emergent Life Science Research*, 9(2): 325-331.
- Thakur, P., Kumar, A., Kumar, V., Kamboj, R., Ravinder, Kundal, S., Kumar, P., Chaudhary, S., Bhardwaj, N., Ashish and Kumar, A. (2023). In-vitro Effect of Different Fungicides on Management of Anthracnose (*Colletotrichum capsici*) Disease of Chilli. *Biological Forum – An International Journal*, 15(12), 154-158.
- Tiwari. S., Kumar. P., Singh. G.A., Pundir. S.K. and Singh. A. (2024). Screening of Germplasms for Disease Resistance Against Anthracnose of Chilli Caused by *Colletotrichum capsici*. *International Journal of Plant & Soil Science*. **36**(5): 727-731.
- Tiwari. S., Kumar. P., Singh. J.P., Shekhar. S. and Tiwari. M. (2023). Management of Anthracnose Disease of Chilli Caused by *Colletotrichum capsici*. *Environment and Ecology*. **41**(4A): 2502-2506.
- Tripathi, D., Yadav, N., Shahi, S. and Yadav, R.K. (2023). Effect of Seed Priming with Plant Growth Regulators on Growth Parameters, Biochemical Changes of Rice (*Oryza Sativa* L.) *International Journal of Plant & Soil Science*, 35(19), 464-472.
- Tripathi. A.K., Verma. S.K., Kumar. G., Singh. R., Jain. M. and Pathak. R. (2023). Studies on socio-economic status of existing agroforestry practices in selected villages of Sohawal block of Ayodhya district in U.P. *International Journal of Statistics and Applied Mathematics*. SP-8(6): 1037-1043.
- Ulman. Y. (2023). Bird diversity of Acharya Narendra Deva University of Agriculture & Technology Campus, Ayodhya. *Indian Journal of Ecology*. **50**(1): 262-271.
- Verma L., Singh, A. K., Verma, N.P., Tiwari, D., Yadav, R.K., Mishra, S.R., Prasa, S. and Singh, A. K. (2023). Evaluation of biochemical changes in wheat varieties as influenced by terminal heat stress under varying environment. *Journal of Cereal Research*, 14(3), 29-298.
- Verma, B., Chaudhary, S., Singh, P. and Arya, M. (2024). Gender, Participation in Decision Making of Farm Activities- A Comparative Study. *International Journal of Creative Research Thought*, Vol. 12 (6) pp:131-136.
- Verma, K.S., Kumar, S., and Pandey, A.K. (2023).



- Comparative analysis of the growth, yield attributes and grain yield of kharif maize (*Zea mays*) under varying doses of biochar, fertility levels, and biofertilizer treatments. *Indian Journal of Agronomy*, 68(4), 363-367.
- Verma, M.K., Singh, V.K., Verma, A.K., Singh, J., Gautam, S., Pal, V.K. and Verma, H.C. (2024). Quantification of Reproductive Traits and Wool Characteristics of Lesser Known Gang-Fatehpuri Sheep of Uttar Pradesh. *Environment and Ecology*, 42(2): 533—536. DOI: <https://doi.org/10.60151/envec/DVVFJ9997> ISSN 0970-0420
- Verma, N., Singh, V.K., Tiwari, D., Gautam, S., Singh, S.P., Chandrashekhra and Akash wadal (2024). Effect of histidine supplementation on growth performance characteristics, haemato-biochemical profile and economics of broiler production. *AMA*, 17401-17410.
- Verma, R. K., Pramanik, P. S., Singh, K. D., Verma, A. K., Singh, S., Kumar, Abhishek Gupta, N. (2024). Impact of Shatavari (*Asparagus racemosus*) Root Meal Supplementation on Growth Performance, Haematology and Carcass Quality of Broiler Chickens. *The Ind J Vet Sci and Biotech.*, 20 (2) 48-52.
- Verma, R.K., Joshi, R.K., Joshi, N. and Singh, J. (2024). Prevalence and antimicrobial drug resistance of methicillin-resistant *staphylococcus aureus* isolated from nasal swabs and milk samples of sheep and goats. *Indian Journal of Small Ruminants*, 30(1): 95-99.
- Verma, R.K., Joshi, R.K., Joshi, N., Singh, J. and Prajapati, A. (2024). Molecular Characterization of methicillin resistant *Staphylococcus aureus* (MRSA) isolates from ruminants. *Indian Journal of Animal Research*. doi: 10.18805/IJAR.B-5262.
- Verma, R.K., Joshi, R.K., Prajapati, A., Jaiswal, S., Singh, J., Devi, R., Saurabh, Alam, K., Verma, A.K. and Verma, S.K. (2024). Phylogeny study of Methicillin Resistant *Staphylococcus aureus* (MRSA) isolates collected from milk and nasal swab associated with ruminants based on genome sequence. *AMA, Agricultural Mechanization in Asia, Africa and Latin America*, 55(5): 17985-17997. ISSN: 00845841.
- Verma, R.K., Pramanik, P.S., Singh, K. D., Singh, S., Kumar, A. and Kumar, A. 2024. Evaluation of Shatavari (*Asparagus racemosus*) root meal supplementation on growth performance and economics of broiler farming. *International Journal of Advanced Biochemistry Research*. SP-8(4): 169-173.
- Verma, R.K., Pramanik, P.S., Singh, K.D., Kumar, A., Singh, S., Maurya, P.K., Srivastava, D.P. (2023). Effect of shatavari (*Asparagus racemosus*) root meal supplementation on growth performance and hematological attributes of broiler chickens. *Biological forum*, 15(7): 193-198.
- Verma, R.K., Singh, S.K., Sharma, K.R. and Chandra, U. (2024). Impact of different intercrops on the incidence of insect pests in cabbage. *Environment Conservation Journal*, 25 (2), 434-442.
- Verma, R.K., Singh, S.K., Sharma, K.R., Chandra, U. and Yadav, P.K. (2024) Bio-efficacy of Chlorantraniliprole 10% + lambda-cyhalothrin 5% ZC and some sole insecticides against lepidopteran borers in cabbage. *Annals of Plant and Soil Research*, 26(1), 136-142.
- Verma, S., Singh, V. K., Mishra P. K., Pandey, S. K., Chaudhari, V., Paul, A.S., Shivam., Kumar, M., and Singh, V. K. (2024). Techno economic feasibility of sugarcane (*Saccharum officinarum* L) peeling machine. *International Journal of Statistics and Applied Mathematics*, 9(2), 150-154.
- Verma, S.K., Kumar, R., Singh, B., Srivastava, S. and Verma, R.K. (2023). Impact of Different Therapies on Haematological Parameters and Therapeutic Outcome in Subclinical Endometritic Buffaloes. *Ind J Vet Sci and Biotech*: 10.48165/ijvsbt.19.5.12.
- Verma, S.K., Kushwaha, R.R., K.K. Singh, Pratap, A., Supriya and Kumar. M. (2024). Optimizing Mustard Cultivation in Hardoi District: Policy Implication and Strategic insights. *International Journal of Agriculture Extension and Social Development*, 7(6), 32-37.
- Verma, S.K., Kushwaha, R.R., Kumar. M., Singh, R.P., Yadav, R. and Ahmad, R. (2024). Export dynamics of oilseed in India: A Markov Chain Analysis, 6(12), 3936-3941.
- Verma, S.K., Kushwaha, R.R., Kumar. S., Pratap, A., and Gopal, M (2024). Assessing the Constraints in Groundnut Cultivation Using the Friedman test: A case Study in Hardoi District, Uttar Pradesh. *International Journal of Research in Agronomy*, 7(5), 537-541.
- Verma, S.K., Kushwaha, R.R., Singh, K.K., Pratap, A., Supriya and Kumar, M. (2024) Optimizing



- mustard cultivation in Hardoi district: Policy implications and strategic insights *International Journal of Agriculture Extension and Social Development*, 7(6), 32-37.
- Verma, V., Devi, R. and Verma, R.K. (2024). Effect of *moringa* leaf powder on the microbiological quality of chicken nuggets under refrigeration condition. *J. Exp. Zool. India*. 27(1): 585-592.
- Verma. A.K., Kumar. S., Kumar. D. and Singh. H. (2023). Effect of Plant growth regulators on growth and development of pomegranate (*Punica granatum*). *Journal of Biotechnology and Crop Science*. 11(16): 1-11.
- Verma. P., Kumar. V., Dubey. S., Sao. P. and **Tiwari. A.** (2023). Harnessing Natures Green Potential Nanotechnology Driven Fabrication. of Plant-Derived Nanoparticles. *Journal of Advanced Zoology*. (44) 1394-1421.
- Vikram, N., Hussain, R., Gangwar, C., Sagar, A., Gangwar, V. and Kewat, R.N. (2024). Comparative quality analysis of hybrid and traditional rice varieties under different storage intervals. *Agriculture Association of Textile Chemical and Critical Review Journal*, 12(1), 235-240.
- Vimal, S.C., Kumar, A., Gupta, R., Gupta, A.K. and Singh, J. (2023). Genetic Diversity and Path Analysis in Rice Germplasm (*Oryza sativa* L.). *International Journal of Environment and Climate Change*, 13(12), 1039-1049.
- Vimal, S.C., Kumar, R., Gupta, R., Gupta, A.K. and Singh, J. (2023). Correlation, heritability and genetic advance analysis in chickpea genotypes under Plain gangatic region. *The Pharma Innovation Journal*, 12(12), 1892-1896.
- Yadav, G., Kumar, N., Kumar, A., Singh, A., Yadav, S., Singh, P., and Singh, R.R. (2023) Nitrogen and Azotobacter's Impact on Soil characteristics and Nutrient availability. *Biological Forum – An International Journal*, 15(10), 103-107.
- Yadav, H.R., Vimal, S.C., Yadav, S.K., Chauhan, P., Chourasiya, V.K., Kumar, A., Sharma, M., and Pratap, A. (2024). Assessment of Genetic Diversity in Mungbean (*Vigna radiata* L.). *Journal of Advances in Biology & Biotechnology*, 27(6), 101-107.
- Yadav, K., Verma, A.K., Pramanik, P.S., Chauhan, S.S., Kumar, M. and Kumar, A. (2024). Effect of herbal supplementation of neem (*Azadirachta indica*) and moringa (*Moringa oleifera*) leaf meal against coccidiosis in the diet of Kadaknath layers. *International Journal of Advanced Biochemistry Research*, 8 (6): 431-434.
- Yadav, P., Pandiaraj, T., Singh, D. K. and Kumar, V. (2023). Organic farming-eco-friendly agriculture and a vision toward a healthy nation. *Indian Journal of Agriculture and Allied Sciences*. 9(2), 99-102.
- Yadav, S., Maurya, S. P., Mishra, A., Meena, N. R., Mehta, V. and Verma, S. K. (2024). Aspects and awareness levels about government programs/Schemes of female headed farm Womens of Eastern plain of Uttar Pradesh. *International Journal of Agriculture Extension and Social Development*, 7(4), 382-388.
- Yadav, S., Maurya, S.P., Anuradha, Arti and Verma, S.K. (2023). Health problems faced by female-headed farm women's of Eastern Plain of U.P. *International Journal of Statistics and Applied Mathematics* Vol. SP.8(4): 100-105 NAAS Rating 5.
- Yadav, V., Doharey, R.K., Meena, N.R., Satyapriya and Kumar, G. (2023). A Study on Source of Information & Knowledge Level of Farmers towards Kisan Call Centre in Ayodhya District of Uttar Pradesh. *Indian Journal of Extension Education*, 59(2), 69-71.
- Yadav, V., Doharey, R.K., Vishwakarma, J., Meena, N.R., Kumar, M. and Kumar, Y. (2023). Cultivating Solutions: Farmer-Driven Constraints and Suggestions for Kisan Call Centre Advisories. *Journal of Experimental Agriculture International*, 46(2), 141-146.
- Yadav, V., Joshi, R.K., Joshi, N., Singh, S.V. and Srivastva, D.P. (2024). Multidrug resistance pattern and plasmid profiling of ESBL and Carbapenemase producing *E. coli* isolates of bovine origin in Awadh region of Uttar Pradesh. *Indian Journal of Animal research*, DOI: 10.18805/IJAR, B-5322.
- Yadav, A., Ram. C.N., Yadav, L., Tiwari. C.P., Prakash. S. and Shivhare. H. (2024). Performance of different genotypes and their hybrids for qualitative traits in brinjal (*Solanum melongena* L.). *International Journal of Advanced Biochemical Research*. 8(6): 667-674.
- Yadav. J.K., Singh. H.K., Singh. S.K., Sharma. N.K., Kumar. S., Yadav. V.K. and Chitara. M.K. (2023). Correlation of sowing dates and weather factors on the infection and severity of Alternaria blight and White rust of Indian mustard (*Brassica juncea* L. Czern and Coss.) in Eastern Uttar Pradesh of



India. *Acta Scientific Agriculture*. 7(6): 9-17.

Books

In English:

- Doharey, R. K., Meena, N. R., Yadav, V., Atrey, S., Jaipal and Yadav, V., (2023). A Brief Book on Rural Sociology and Extension"-2023. P.K. Publishers and Distributors, J-231/1a] Kartar Nagar, Delhi-110053 (India) ISBN No.978-93-92239-75-5.
- Doharey, R.K., Verma, A & Yadav,V. (2023). Agricultural Extension Education"-2023.S. R. Scientific Publication, 8, Gandhi Nagar, Near Paliwal Park, Agra-282003 UP-(India) ISBN No.-978-9395182-119.
- Doharey, R.K., Yadav, V., Satyapriya, Meena, N.R., Kumar, M. & Verma, A.K. (2023). Glimpses of Agricultural Extension-2023 By Astral Cracker, A Division of Astral International Pvt. Ltd., 4736/23, Ansari Road, Darya Ganj, New Delhi-110002 (India) ISBN No.933616709.
- Gupta, S., Himanshu, S. K., & Gupta, P. K. (Eds.) (2024) Agri-tech Approaches for Nutrients and Irrigation Water Management, CRC Press.
- Gupta, S., Himanshu, S. K., & Gupta, P. K. (Eds.) (2024) Agri-tech Approaches for Nutrients and Irrigation Water Management, CRC Press.
- Gupta, S., Pathak, S. and Singh, K. (2023). Javik Kheti, Kalyani Publisher. ISBN: 978-93-55405-67-8.
- Jain. S., Pratap. B., Gaurha. A. and Hassanzai. R.G. (2023). Wonders of Fruit Science, London, WCIA 2RP, England. ISBN: 9781804339756.
- Jain. S., Verma. S.K., Jain. S. and Rathore. J.P. (2023). Advances in Fruit Breeding, Weser Books, No. 79737, Germany. ISBN: 978-396-492 -51-2.
- Jha. A. (2024). Package and Practices of Vegetable Crops. P.K. Publishers & Distributers New Delhi. ISBN: 978-81-19428-47-2.
- Kumar, N., Khangembam, S.D., Kumar, V. and Gangwar, A.K. (2024). Multiple choice questions for Veterinary Surgery and Radiology. Kalyani Publishing house, New Delhi (978-93-5540-893-8).
- Kumar, N., Saxena, S., Kumar, V., Gangwar, A.K., Mathew, D.D. and Shrivastava, S., (2023). Natural tissue scaffolds for reconstructive surgery, Elite Publishing House, New Delhi. (978-93-58990-15-7).
- Kumar, V. and Singh, D. K. (2023). Agricultural Microbiology. Rathore Academic Research Publications, New Delhi. ISBN: 978-93-90648-72-6.
- Kumar. A., Ram. C.N., Jha. A., Singh. A.K., Upadhyay. D.K. and Singh. S. (2024). Sagandh evam Masala, Masalon ki Vyavasayik Kheti. A.N.D. University of Agriculture and technology, Ayodhya. ISBN-978-93-93453-57-0.
- Pandey, A., Mishra, S.R., Agrahari, R.K., and Gupta, S. (2023). Basics of Agricultural Meteorology. Aiknik Publications. ISBN: 978-93-5570-950-9.
- Prasad. L., Ram. C.N., Kumar. R., Singh. B.P. and Singh. D.B. (2023). Advances in Vegetable Breeding, Published in P.K. Publishers & Distributors. ISBN: 978-81-19428-74-8.
- Rajbhar. R., Kumar. A., Pal. A.K., Vipin. and Rajbhar. P. (2024). Breeding approaches in vegetable crops. P.K. Publishers and distributors, Delhi. ISBN: 978-81-19428-41-0.
- Ram. C.N., Upadhyay. D.K., Jha. A., Singh. A.K., Kumar, A. and Kumar. P. (2024). Compendium of Vegetable and Spice varieties from NDU&T, Ayodhya. Abhiram Prakashan, Lucknow. ISBN-978-93-93453-50-1.
- Ram. C.N., Upadhyay. D.K., Jha. A., Singh. A.K., Kumar. A. and Kumar. P. (2024). Compendium of Vegetable and spices Varieties from ANDUA&T, Ayodhya. Abhiram Prakashan, Lucknow. ISBN: 978-93-93453-50-1.
- Singh A.K., Pandey A., Singh, A. & Tiwari D. (2023). Physio-Molecular tools for Diagnosis of abiotic stresses in Plant. Brillion Publication house New Delhi. ISBN No. 978-8119238-50-7.
- Singh V K (2023) Post-Harvest Process and Food Engineering , Narendra Publishing House, New Delhi.
- Singh, A. and Pal, V.K. (2023). Recent advances in diagnosis and control of parasitic diseases. Abhiram Prakashan, Lucknow. ISBN: 9-789393-453242.
- Singh, A. K. and Singh, D. K. (2023). Farm Management Production and Resource Economics, Rathore Academic Research Publications, New Delhi ISBN: 978-93-90648-76-4.
- Singh, D. K. and Pandiaraj, T. (2023). Natural Farming towards Sustainable Agriculture. Rathore



- Academic Research Publication, New Delhi. ISBN: 978-93-90648-89-4.
- Singh, J.P., Singh, S.V., Singh, N.K., Singh, A., Jaiswal, S., Kumar, R. and Niyogi, D. E-book- Veterinary Clinical Case Repository (2024), Nitya Publications, Bhopal , ISBN No-978-93-5857-968-0.
- Singh, R.K., Singh, H.P., Doharey, R.K. Singh, A.P., Singh, A. and Yadav, V. (2024). Recent Innovation and Approaches in Extension Education”-2024 P. K. Publishers and Distributors, J-231/1a] Kartar Nagar, Delhi-110053 (India) ISBN No.978-81-19428-91-5.
- Singh, S., Pandey, M. (2023). Millets: Forgotten grains regaining prominence. P. K. Publisher& Distributors, Delhi-110053. ISBN No-978-81-19428-75-5.
- Singh, Y., Yadav, V.K., Khangembam, S.D. and Gangwar, A.K. (2024). Review of Veterinary Surgery. Academic Publishers and Distributors, Lucknow (978-81-969585-7-2).
- Singh. H.K. (2023). Current Research and Innovations in Plant Pathology, Volume 23, AkiNik Publications. ISBN: 978-93-5570-430-6.
- Singh. H.K. (2023). Current Research and Innovations in Plant Pathology, Volume 24, AkiNik Publications. ISBN: 978-93-5570-633-1.
- Singh. H.K. (2023). Current Research and Innovations in Plant Pathology, Volume 25, AkiNik Publications. ISBN: 978-93-5570-776-5.
- Singh. H.K. (2023). Current Research and Innovations in Plant Pathology, Volume 26, AkiNik Publications. ISBN: 978-93-5570-871-7.
- Singh. J., Pandey. K. and Jha. A. (2024). MCQ on Tissue Culture and Molecular Markers of Fruit Crops. Publisher, ICAR-NAHEP-IG, Acharya Narendra Deva University of Agriculture and Technology Kumarganj, Ayodhya 224229, U.P., India. ISBN: 978-93-9345356-3.
- Singh. N., Pathak. S. and Pratap. B. (2023). Practical Manual on Orchard Management in Fruit Crops, Department of Fruit Science, CHF, ANDUAT, Kumarganj, Ayodhya. ISBN: 978-81-19235-00-1.
- Singh. N., Sharma. D.P. and Sankhyan. N. (2024). Basic Concepts of Fruit Science. NIPA, New Delhi -110034. ISBN: 978-81-94766-86-5.
- Singh. N., Sharma. D.P. and Sankhyan. N. (2024). Memory-Based Question Bank on Fruit Science. NIPA, New Delhi -110034. ISBN: 978-81-19235-69-8.
- Singh. N., Sharma. D.P. and Sankhyan. N. (2024). Memory-Based Question Bank on Horticulture. NIPA, New Delhi -110034. ISBN: 978-81-19235-05-6.
- Upadhyay. D.K. and Jha. Aastik. (2024). Principles of Vegetable Breeding (Practical Manual). P.K. Publishers and Distributors. New Delhi. ISBN: 978-81-19428-50-2.
- Verma, A.K., Singh, K.D. and Maurya, P.K. (2023). MCQ on Animal Husbandry. P.K. Publishers & Distributors, Delhi. ISBN: 978-81-19428-36-6
- Verma. P., Tiwari. A., Kumar. V. and Dahayat. A. (2023) Objective Set of Microbiology for All Competitive Examination (Second Edition). ISBN: 9789390576517.
- Yadav, S.K., Kumar, R., Singh, S.K., Tripathi, P. (2023) Integrated Pests Management Practices Manual. Golden Leaf Publishers, Lucknow. ISBN-978-81-965443-2-4.
- Yadav. A. Advances in Horticulture Sciences (Volume - 11) Integrated Publication New Delhi. ISBN: 978-93-5834-034-1.
- Yadav. A. Advances in Horticulture Sciences (Volume - 12) Integrated Publication New Delhi. ISBN: 978-93-5834-200-0.
- Yadav. A. Advances in Horticulture Sciences (Volume - 13) Integrated Publication New Delhi. ISBN: 978-93-5834-301-4.
- Yadav. A., Rajbhar. R., Kumar. R., Prasad. L., Luthra. S. and Ram. C.N. (2023). Advances in Vegetable Production. Published in P.K. Publishers & Distributors. ISBN: 978-81-19428-11-3.

In Hindi :

- अमित सिंह और वी के पाल (2023). पशुओं में परजीवीरोग एवं प्रबंधन. अभिराम प्रकाशन, लखनऊ, ISBN: 9-789393-453297.
- वी के पाल और अमित सिंह (2023). पालतू पशुओं में परजीवी प्रोटोजुआ. बायोटेकबुक्स, नईदिल्ली. ISBN: 9-788176225854.
- पंकज कुमार मौर्य, जसवंत सिंह, रमाकांत और पी एस मौर्य (2023). आधुनिक गोपालन, पी के पब्लिशर्स एंड डिस्ट्रीब्यूटर्स, दिल्ली ISBN: 978-81-19428-96-0.
- रवि कुमार रजक, रागनी देवी, पंकज कुमार, उमेश चंद्र एवं



समीर कुमार सिंह (2023) मसाले वाली फसलों में लगने वाले प्रमुख कीट एवं उनका प्राकृतिक प्रबन्धन. तनीषा पब्लिशर्स, उत्तराखंड, भारत। ISBN-978-81-19580-18-7.

Book Chapters:

IN ENGLISH

- Gokul Krishnan K. B., Mehta., Rai, V., Rai, R.H., Sharma,V. and Mishra, N. (2023). Towards Precision Agriculture in Cyber Physical Agricultural Systems. *Edited book entitled "Agri 4.0 and the Future of Cyber-Physical Agricultural Systems,"* Academic Press Inc. ELSEVIER (UK), 157-174. (ISBN: 978-0-443-13185-1).
- Haseen,R., Ahamad,N and N. A. Khan (2024). Chapter- 28 Biotechnological Approaches in Crop Improvement Book Name Precision Agriculture & Crop Production edited by Dr. Salman Ahmad, Kamaran Azam, Dr. Adesh Kumar, Dr Ashwini Chahal and Dr. Hemant Kumar. Weser Books. Pp 305-320.
- Husain, R., Vikram, N. Pandey, S., Yadav,G., Khan, N.A., Shamim, M.D., Srivastava ,D., Hussain ,T. and Tiwari, S. P. (2023). Chapter- 7, Insights from Genetics, Breeding, and Molecular Approaches for Rice Sheath Blight Disease Resistance Book Name Fungal disease of rice and their management edited by Deepti Srivastava, Md Shamim, Malik Mobeen Ahmad and R.S. Upadhyay. Apple academic press. Pp 155-183.
- Kumar, N., Kumar, V., Mathew, D.D., Gangwar, A.K., Mishra, M., Khangembam, S.D., Raghuvanshi, P.D.S., Gopinathan, A., Singh, K., Singh, M., Devarathnam, J., Vellachi, R., Kaarthick, D.T., Rathore, H.S., Singh, A.K., Devangan, R., Palakkara, S. and Chelladurai, S. (2022). Clinical applications of developed tissue scaffolds. Edited by Kumar, N., Saxena, S., Kumar, V., Gangwar, A.K., Mathew, D.D. and Shrivastava, S. In: *Natural tissue scaffolds for reconstructive surgery*, Elite Publishing House, New Delhi. (978-93-58990-15-7), pp 183.
- Kumar, N., Kumar, V., Shrivastava, S., Gangwar, A.K., S., Saxena, Raghuvanshi, P.D.S. and Mathew, D.D. (2023). Naturally derived biomaterials: An Overview. Edited by Kumar, N., Saxena, S., Kumar, V., Gangwar, A.K., Mathew, D.D. and Shrivastava, S. In: *Natural tissue scaffolds for reconstructive surgery*, Elite Publishing House, New Delhi. (978-93-58990-15-7), pp 1-17.
- Kumar, N., Purohit, S., Gopinathan, A., Singh, K., Devangan, R., Shakya, P., Palakkara, S., Sharma, A.K., Mathew, D.D., Maiti, S.K., Gangwar, A.K., Kumar, V., Shrivastava, S., Saxena, Khangembam, S.D. and Chelladurai, S. (2023). Tissue Scaffolds derived from pig. Edited by Kumar, N., Saxena, S., Kumar, V., Gangwar, A.K., Mathew, D.D. and Shrivastava, S. In: *Natural tissue scaffolds for reconstructive surgery*, Elite Publishing House, New Delhi. (978-93-58990-15-7), pp 127-153.
- Kumar, V., Kumar, N., Mathew, D.D., Gangwar, A.K., Khangembam, S.D., Raghuvanshi, P.D.S., Gopinathan, A., Singh, K., Singh, M., Sharma, A.K., Shrivastava, S., Saxena, S., Singh, K.P., Devarathnam, J., Vellachi, R., Mondal, D.B., Kaarthick, D.T., Rathore, H.S. and Singh, A.K. (2022). Tissue Scaffolds Derived from buffalo. Edited by Kumar, N., Saxena, S., Kumar, V., Gangwar, A.K., Mathew, D.D. and Shrivastava, S. In: *Natural tissue scaffolds for reconstructive surgery*, Elite Publishing House, New Delhi. (978-93-58990-15-7), pp 18-77.
- Kumar,M., Prakash,G. and Rana,S.K. (2024). "Computational Framework for Trend Pattern Analysis of Wheat Production in Some Wheat Growing States of India". *Research Advances and Challenges in Agricultural Sciences (Vol. 7)*, BP International, West Bengal, India. (ISBN: 978-81-972756-8-5).
- Kushwaha,V., Prasad, S. and Kumar,P. (2024). Applications of Artificial Intelligence in Biological Science, Published By: Weser Books in Book Scientific Inputs in Modern Indian Agriculture, ISBN: 978-3-96492-574-9
- Kushwaha,V., Prasad, S., Singh,P.K. and Kumar,A. (2023). Rice Biofortification in book 'The Visionary Indian Agriculture System' Published By Rubicon Publications, ISBN: 978-93-5834-144-7.
- Mathew, D.D., Kumar, N., Purohit, S., Sharma, A.K., Gangwar, A.K., Kumar, V., Shrivastava, S., Saxena and Vellachi, R.



- (2023). Tissue Scaffolds derived from rabbit. Edited by Kumar, N., Saxena, S., Kumar, V., Gangwar, A.K., Mathew, D.D. and Shrivastava, S. In: Natural tissue scaffolds for reconstructive surgery, Elite Publishing House, New Delhi. (978-93-58990-15-7), pp 160-169.
- Mathew, D.D., Kumar, N., Purohit, S., Sharma, A.K., Gangwar, A.K., Kumar, V., Shrivastava, S., Saxena and Kaarthick, D.T. (2023). Tissue Scaffolds derived from rat. Edited by Kumar, N., Saxena, S., Kumar, V., Gangwar, A.K., Mathew, D.D. and Shrivastava, S. In: Natural tissue scaffolds for reconstructive surgery, Elite Publishing House, New Delhi. (978-93-58990-15-7), pp 170-175.
- Maurya, P.K., Singh, R.K. and Chandra, G. (2024). Wildlife Management. MCQ on Animal Husbandry, P.K. Publishers & Distributors, Delhi. pp 12 ISBN:978-81-19428-36-6.
- Maurya, P.K., Verma, A.K. and Yadav, D.K. (2024). Introduction to Animal Husbandry. MCQ on Animal Husbandry, P.K. Publishers & Distributors, Delhi. pp 01. ISBN:978-81-19428-36-6.
- Maurya, S.P., Maurya, R. and Maurya, A. (2024). कृषक महिलाओं में सामाजिक एवं आर्थिक सशक्तिकरण हेतु शक्तियां, चुनौतियां एवं रणनीतियां। Women Empowerment: Strengths challenges and Strategies. MKSES Publication, Lucknow pp 231-242 ISBN: 978-81-19746-35-4
- Mishra, M.L., Shukla, U.N., Verma, B. and Pandey, M. (2023). Millets: Forgotten grains Regaining Prominence, P.K. Publishers and Distributors, Delhi, pp:88-99.
- Pramanik, P. S., Verma, A.K. and Verma, R. K. (2024). Goat Production and Management. MCQ on Animal Husbandry, P.K. Publishers & Distributors, Delhi. pp 45. ISBN:978-81-19428-36-6.
- Purohit, S., Kumar, N., Kumar, V., Gangwar, A.K., Mathew, D.D., Shrivastava, S., and Sonal, S. (2023). Tissue Scaffolds derived from sheep. Edited by Kumar, N., Saxena, S., Kumar, V., Gangwar, A.K., Mathew, D.D. and Shrivastava, S. In: Natural tissue scaffolds for reconstructive surgery, Elite Publishing House, New Delhi. (978-93-58990-15-7), pp 154-159.
- Raghuvansi, P.D.S., Kumar, V., Kumar, N., Gangwar, A.K., Khangembam, S.D., Shrivastava, S., Saxena, S., Rathore, H.S. and Singh, M. (2023). Tissue Scaffolds derived from goat. Edited by Kumar, N., Saxena, S., Kumar, V., Gangwar, A.K., Mathew, D.D. and Shrivastava, S. In: Natural tissue scaffolds for reconstructive surgery, Elite Publishing House, New Delhi. (978-93-58990-15-7), pp 78-126.
- Singh, A., Shukla, P. and Tiwari, P. K. (2024). Training Process: Distinct Phases of Training, Training Paradigms, And Curriculum Design Training & Capacity Development.34-47. ISBN:978-93-58998-66-5
- Singh, K. D., Verma, A.K. and Verma, R. K. (2024). Poultry Production and Management. MCQ on Animal Husbandry, P.K. Publishers & Distributors, Delhi. pp 96. ISBN:978-81-19428-36-6.
- Singh, V. K., Tiwari, K. N., Gupta, S., & Singh, V. K. (2024). Protected Cultivation: Microclimate-Based Agriculture Under Greenhouse. In Agri-Tech Approaches for Nutrients and Irrigation Water Management (pp. 328-339). CRC Press.
- Singh, P.K., Kushwaha, V., Maurya, R.K. Prasad, S. (2023). Advance Genome Sequencing techniques published in Book 'Plant Molecular Biology and Genetic Engineering Approaches for crop Improvement, ISBN:979-889233712-0.
- Singh, P.K., Prasad, S., Kushwaha, V., Singh, S., Kumar, A. and Gupta, S. (2023). The use of Millets in Diet for Potential Health Benefits in book 'Advanced Innovative Technologies in Agricultural Engineering for Sustainable Agriculture' AkiNik Publications, ISBN: 978-93-5570-989-9.
- Srivastava, S., Maurya, S.P. and Shukla, P. (2023) Strategies for Rural Entrepreneurship Development. Conservation Agriculture.89-95. ISBN:981-81-896021-5-7
- Vellachi, R., Kumar, N., Sharma, A.K., Saxena, S., Maiti, S.K., Kumar, V., Dewangan, R.,



- Mathew, D.D. and Shrivastava, S. (2023). Tissue Scaffolds derived from fish. Edited by Kumar, N., Saxena, S., Kumar, V., Gangwar, A.K., Mathew, D.D. and Shrivastava, S. In: Natural tissue scaffolds for reconstructive surgery, Elite Publishing House, New Delhi. (978-93-58990-15-7), pp 176-182.
- Verma, A.K., Dev, R. and Maurya, P.K. (2024). Milk and Milk Products. MCQ on Animal Husbandry, P.K. Publishers & Distributors, Delhi. pp 141. ISBN:978-81-19428-36-6.
- Verma, A.K., Kumar, S. and Singh, K. D. (2024). Monogastric Animal Production and Management. MCQ on Animal Husbandry, P.K. Publishers & Distributors, Delhi. pp 84. ISBN:978-81-19428-36-6.
- Verma, A.K., Singh, K. D. and Singh, S. P. (2024). Sheep Production and Management. MCQ on Animal Husbandry, P.K. Publishers & Distributors, Delhi. pp 62. ISBN:978-81-19428-36-6
- Verma, B., Kumari, P. and Chaudhary, S. (2024). Enterprise Management- Management Skills, Production Management, Financial Management. Technology Commercialization, Incubation and Entrepreneurship development, Elite publication house, New Delhi, pp:113-122
- Yadav, K., Verma, A.K. and Verma, R. K. (2024). Bovine Herd Health. MCQ on Animal Husbandry, P.K. Publishers & Distributors, Delhi. pp 177. ISBN:978-81-19428-36-6.
- Book Chapters in Hindi**
- पंकज कुमार मौर्य एवं जसवंत सिंह (2024). भारतीय परिवेश पशुधन का योगदान। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 01 ISBN:978-81-19428-96-0
- पंकज कुमार मौर्य (2024). नर प्रजनन की शरीर रचना एवं कार्यिकी। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 18 ISBN:978-81-19428-96-0.
- पंकज कुमार मौर्य (2024). मादा प्रजनन की शरीर रचना एवं कार्यिकी। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 28 ISBN:978-81-19428-96-0.
- जसवंत सिंह (2024). गोवंशीय पशुओं में संकर प्रजनन। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 41 ISBN:978-81-19428-96-0
- जसवंत सिंह (2024). कृत्रिम गर्भाधान का पशु विकास में योगदान। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 44 ISBN:978-81-19428-96-0
- अजीत कुमार वर्मा एवं कें डी. सिंह (2024). सामान्य डेयरी प्रबंधन। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 91 ISBN:978-81-19428-96-0
- अजीत कुमार वर्मा एवं कें डी. सिंह (2024). गोवंशीय पशुओं के आवास प्रबंधन। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 78 ISBN: 978-81-19428-96-0
- पंकज कुमार मौर्य, एस. के. मौर्य एवं शिव कुमार यादव (2024). दुग्ध का जैवसंश्लेषण। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 58 ISBN:978-81-19428-96-0
- पंकज कुमार मौर्य एवं रुमा देवी (2024). गाय के दूध के प्रमुख घटक एवं प्रभावित करने वाले कारक। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 63 ISBN:978-81-19428-96-0.
- रवीन्द्र कुमार, भूपेंद्र सिंह एवं पंकज कुमार मौर्य (2024). मादा पशुओं के प्रमुख प्रजनन विकार। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 144 ISBN:978-81-19428-96-0.
- रवीन्द्र कुमार, सुशांत श्रीवास्तव एवं पंकज कुमार मौर्य (2024). गोवंशीय पशुओं में बांझपन— कारण एवं उपचार। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 156 ISBN:978-81-19428-96-0..
- रमाकांत (2024). जीवाणुओं से गोवंशीय पशुओं में होने वाले रोग। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 123 ISBN:978-81-19428-96-0.
- रमाकांत (2024). विषाणुओं से गोवंशीय पशुओं में होने वाले रोग। आधुनिक गोपालन। पी. के. पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, दिल्ली। पृष्ठ 131 ISBN:978-81-19428-96-0.



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दैनिक जागरण, 05.04.2023

कृषि विवि व भंडारण विकास और नियामक प्राधिकरण में एमओयू

नया, अयोध्या: अयोध्या नगरपालिका क्षेत्र के लिए भंडारण विकास और नियामक प्राधिकरण (एनआरडी) के साथ एमओयू पर हस्ताक्षर किए। एमओयू के तहत भंडारण विकास और नियामक प्राधिकरण (एनआरडी) के साथ एमओयू पर हस्ताक्षर किए। एमओयू के तहत भंडारण विकास और नियामक प्राधिकरण (एनआरडी) के साथ एमओयू पर हस्ताक्षर किए।

राष्ट्रीय सहारा, 15.04.2023

संविधान के शिल्पी थे बाबा साहेब : कुलपति

नया, अयोध्या: कुलपति डॉ. बिजेन्द्र सिंह ने संविधान के शिल्पी थे बाबा साहेब का श्रद्धांजलि दी। डॉ. बिजेन्द्र सिंह ने संविधान के शिल्पी थे बाबा साहेब का श्रद्धांजलि दी। डॉ. बिजेन्द्र सिंह ने संविधान के शिल्पी थे बाबा साहेब का श्रद्धांजलि दी।

अमर उजाला, 24.04.2023

अंतरराष्ट्रीय चावल अनुसंधान संस्थान व कृषि विवि के बीच एमओयू

नया, अयोध्या: अंतरराष्ट्रीय चावल अनुसंधान संस्थान (आईआईएच) और कृषि विवि के बीच एमओयू पर हस्ताक्षर किए। एमओयू के तहत चावल अनुसंधान और विकास के लिए सहयोग किया जाएगा।

राष्ट्रीय सहारा, 04.05.2023

प्राकृतिक विधि से करें मसालों की खेती : कुलपति

नया, अयोध्या: कुलपति डॉ. बिजेन्द्र सिंह ने प्राकृतिक विधि से मसालों की खेती को प्रोत्साहित किया। प्राकृतिक विधि से मसालों की खेती को प्रोत्साहित किया। प्राकृतिक विधि से मसालों की खेती को प्रोत्साहित किया।

राष्ट्रीय सहारा, 11.05.2023

कृषि विवि : छात्रों ने मतदान के प्रति किया जागरूक

नया, अयोध्या: कृषि विवि के छात्रों ने मतदान के प्रति जागरूक किया। छात्रों ने मतदान के प्रति जागरूक किया। छात्रों ने मतदान के प्रति जागरूक किया।

दैनिक भास्कर, 15.05.2023

65 यूपी बटालियन की 61वीं कंबाईड कृषि विवि परिवार ने डॉ. बिजेन्द्र का दोबारा वार्षिक एनसीसी कैप का शुभारंभ

नया, अयोध्या: 65 यूपी बटालियन की 61वीं कंबाईड कृषि विवि परिवार ने डॉ. बिजेन्द्र का दोबारा वार्षिक एनसीसी कैप का शुभारंभ किया। डॉ. बिजेन्द्र सिंह ने 61वीं कंबाईड कृषि विवि परिवार का शुभारंभ किया।

राष्ट्रीय सहारा, 21.05.2023

कुलपति बनने पर किया सम्मान

नया, अयोध्या: कुलपति डॉ. बिजेन्द्र सिंह को बनने पर किया सम्मान। डॉ. बिजेन्द्र सिंह को बनने पर किया सम्मान। डॉ. बिजेन्द्र सिंह को बनने पर किया सम्मान।

हिंदुस्तान, 02.06.2023

पोषण व स्वाद श्री अन्न की पहचान

नया, अयोध्या: पोषण व स्वाद श्री अन्न की पहचान। पोषण व स्वाद श्री अन्न की पहचान। पोषण व स्वाद श्री अन्न की पहचान।

दैनिक जागरण, 06.06.2023

विश्वविद्यालयों की रैंकिंग में एनडी विवि को मिली 35 वीं रैंक

नया, अयोध्या: विश्वविद्यालयों की रैंकिंग में एनडी विवि को मिली 35 वीं रैंक। एनडी विवि को मिली 35 वीं रैंक। एनडी विवि को मिली 35 वीं रैंक।

हिंदुस्तान, 09.06.2023

महिला छात्रावासों में सोलर प्लांट से दौड़ें बिजली

नया, अयोध्या: महिला छात्रावासों में सोलर प्लांट से दौड़ें बिजली। महिला छात्रावासों में सोलर प्लांट से दौड़ें बिजली। महिला छात्रावासों में सोलर प्लांट से दौड़ें बिजली।

अमर उजाला, 14.06.2023

यूपी कैटेट का परिणाम घोषित

नया, अयोध्या: यूपी कैटेट का परिणाम घोषित। यूपी कैटेट का परिणाम घोषित। यूपी कैटेट का परिणाम घोषित।

राष्ट्रीय सहारा, 15.06.2023

रक्तदान से बचाई जा सकती है दूसरों की जान : कुलपति

नया, अयोध्या: रक्तदान से बचाई जा सकती है दूसरों की जान : कुलपति। रक्तदान से बचाई जा सकती है दूसरों की जान : कुलपति। रक्तदान से बचाई जा सकती है दूसरों की जान : कुलपति।

राष्ट्रीय सहारा, 17.06.2023

कृषि विवि के 17 छात्रों को मिली नौकरी

नया, अयोध्या: कृषि विवि के 17 छात्रों को मिली नौकरी। कृषि विवि के 17 छात्रों को मिली नौकरी। कृषि विवि के 17 छात्रों को मिली नौकरी।

अमर उजाला, 22.06.2023

हम प्रकृति से जोड़ा है योग : कुलपति

नया, अयोध्या: हम प्रकृति से जोड़ा है योग : कुलपति। हम प्रकृति से जोड़ा है योग : कुलपति। हम प्रकृति से जोड़ा है योग : कुलपति।

अमर उजाला, 24.06.2023

कुमारगंज विवि में उपजी हल्दी, धनिया की प्रजातियां

नया, अयोध्या: कुमारगंज विवि में उपजी हल्दी, धनिया की प्रजातियां। कुमारगंज विवि में उपजी हल्दी, धनिया की प्रजातियां। कुमारगंज विवि में उपजी हल्दी, धनिया की प्रजातियां।

राष्ट्रीय सहारा, 04.07.2023

केले की आधुनिक तकनीक के पौध गुजरत भेजे

नया, अयोध्या: केले की आधुनिक तकनीक के पौध गुजरत भेजे। केले की आधुनिक तकनीक के पौध गुजरत भेजे। केले की आधुनिक तकनीक के पौध गुजरत भेजे।

हिंदुस्तान, 07.07.2023

आर्ट गैलरी में दिखी छात्रों की प्रतीमा

नया, अयोध्या: आर्ट गैलरी में दिखी छात्रों की प्रतीमा। आर्ट गैलरी में दिखी छात्रों की प्रतीमा। आर्ट गैलरी में दिखी छात्रों की प्रतीमा।

राष्ट्रीय सहारा, 17.07.2023

कृषि मंत्री ने अटल बिहारी कीड़ा परिसर का किया लोकार्पण

नया, अयोध्या: कृषि मंत्री ने अटल बिहारी कीड़ा परिसर का किया लोकार्पण। कृषि मंत्री ने अटल बिहारी कीड़ा परिसर का किया लोकार्पण। कृषि मंत्री ने अटल बिहारी कीड़ा परिसर का किया लोकार्पण।

अमर उजाला, 18.07.2023

भारतीय कृषि से बहुत कुछ सीखने की जरूरत

नया, अयोध्या: भारतीय कृषि से बहुत कुछ सीखने की जरूरत। भारतीय कृषि से बहुत कुछ सीखने की जरूरत। भारतीय कृषि से बहुत कुछ सीखने की जरूरत।

राष्ट्रीय सहारा, 23.07.2023

कृषि विवि में रोपे 1.25 लाख पौधे

नया, अयोध्या: कृषि विवि में रोपे 1.25 लाख पौधे। कृषि विवि में रोपे 1.25 लाख पौधे। कृषि विवि में रोपे 1.25 लाख पौधे।

राष्ट्रीय सहारा, 04.08.2023

कृषि विश्वविद्यालय: यूजीसी नेट में 77 विद्यार्थियों ने मारी बाजी

नया, अयोध्या: कृषि विश्वविद्यालय: यूजीसी नेट में 77 विद्यार्थियों ने मारी बाजी। कृषि विश्वविद्यालय: यूजीसी नेट में 77 विद्यार्थियों ने मारी बाजी। कृषि विश्वविद्यालय: यूजीसी नेट में 77 विद्यार्थियों ने मारी बाजी।

राष्ट्रीय सहारा, 15.08.2023

कृषि विवि में तिरंगा यात्रा का अद्भुत नजारा

नया, अयोध्या: कृषि विवि में तिरंगा यात्रा का अद्भुत नजारा। कृषि विवि में तिरंगा यात्रा का अद्भुत नजारा। कृषि विवि में तिरंगा यात्रा का अद्भुत नजारा।

राष्ट्रीय सहारा, 24.08.2023

कृषि विवि में मना चंद्रयान के वांद पर उतरने का जश्न

नया, अयोध्या: कृषि विवि में मना चंद्रयान के वांद पर उतरने का जश्न। कृषि विवि में मना चंद्रयान के वांद पर उतरने का जश्न। कृषि विवि में मना चंद्रयान के वांद पर उतरने का जश्न।

राष्ट्रीय सहारा, 22.09.2023

पशुओं में संक्रामक रोगों को लेकर चला जागरूकता अभियान

नया, अयोध्या: पशुओं में संक्रामक रोगों को लेकर चला जागरूकता अभियान। पशुओं में संक्रामक रोगों को लेकर चला जागरूकता अभियान। पशुओं में संक्रामक रोगों को लेकर चला जागरूकता अभियान।

दैनिक जागरण, 27.09.2023

कृषि विवि में पढ़ रहे जिम्बाब्वे, नेपाल और श्रीलंका के विद्यार्थी

नया, अयोध्या: कृषि विवि में पढ़ रहे जिम्बाब्वे, नेपाल और श्रीलंका के विद्यार्थी। कृषि विवि में पढ़ रहे जिम्बाब्वे, नेपाल और श्रीलंका के विद्यार्थी। कृषि विवि में पढ़ रहे जिम्बाब्वे, नेपाल और श्रीलंका के विद्यार्थी।



Glimpses of 'Natural Farming' at ANDUAT



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