



IAUA NEWS

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CONTENTS

1. New Technologies	1-4
• Crop Science	
○ Varieties/Hybrids	
○ Package of Practices	
• Animal Science	4-5
2. Teaching	5-7
3. Events and Activities	7-18
4. MoUs	18-23
5. IPR	23-24
6. Awards and Recognitions	24-28
7. Limelight	28-34
8. Future Programmes	34-36
9. New Vice Chancellors	36-38
10. Outgoing Vice Chancellors	38

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NEW TECHNOLOGIES

A. CROP SCIENCE

The Agricultural Universities made earnest efforts to develop new technologies in Crop and Horticultural Sciences, which included varieties and package of practices as given below:

VARIETIES

Agriculture University (AU), Kota

Chickpea (Chana)

Kota Desi Chana 4

- Medium bold seed, average maturity 118 days (108-123 days).
- Average yield 1,610 kg/ha.
- Moderately resistant to wilt and dry root rot diseases.



Kota Desi Chana 4

Kota Desi Chana 5

- Medium bold seed, average maturity 122 days (110-130 days)
- Average yield 1,621 kg/ha.
- Resistant to wilt and dry root rot and moderately resistant to collar rot and stunt diseases.



Kota Desi Chana 5

Kota Desi Chana 6

- Medium bold seed, average maturity 111 days (109-114 days).
- Average yield 2,179 kg/ha in coordinated trials.
- Resistant to wilt, stunt and dry root rot diseases and moderately resistant to collar rot disease.



Kota Desi Chana 6

Lentil (Masoor)

Kota Masoor 6

- Kota Masoor 6 variety of lentil developed by the University is included in the 109 new varieties released for the country by the Prime Minister of India on 11 August 2024 at IARI, New Delhi.



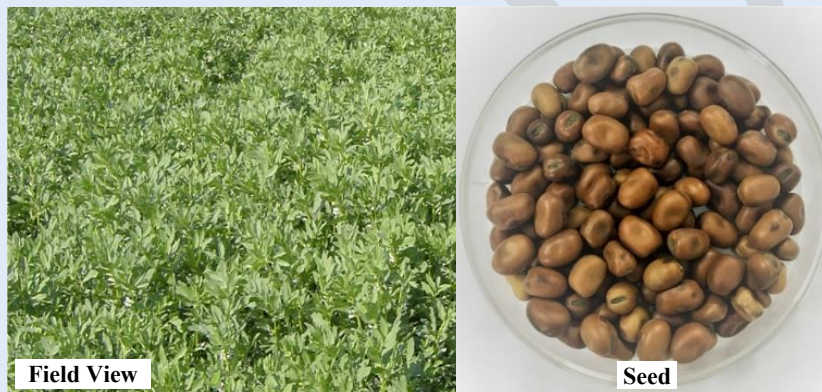
Kota Masoor 6

Linseed (Alsi)**Kota Barani Alsi 7**

- Linseed variety Kota Barani Alsi 7 released and notified for rainfed conditions of Rajasthan.
- It has blue flowers, brown seed, 36-38 % oil content, and maturity of 116 -120 days.
- Average grain yield is 15 q/ha. The variety is moderately resistant to *Alternaria* blight, wilt diseases and bud fly insect.

Chaudhary Charan Singh Haryana Agricultural University (CCSHAU), Hisar**Faba bean****HFB 3**

- Faba bean variety, HFB 3, released and notified for the NPZ and CZ of the country.
- It has superior protein content (28.05%) as compared to the checks i.e. HFB 1 (24.78 %) and Vikrant (25.42%).
- Its given mean seed yield is 23.65 q/ha, at par with the checks i.e. HFB 1 (23.15 q/ha) and Vikrant (21.98 q/ha).

**HFB 3****Wheat****WH 1402**

- Wheat variety WH 1402 released and notified for restricted irrigation conditions of NWPZ.
- The WH 1402 gave an average yield of 50.14 q/ha, and exhibited excellent degree of resistance to yellow rust, brown rust, black rusts, flag smut, leaf blight and powdery mildew diseases prevalent in the area.
- WH 1402 also possesses better grain quality characters – higher sedimentation value (66 ml), hectoliter weight (77.7 kg/hl).

**Indian Mustard****RH 1975**

- It is suitable for timely sowing in the irrigated areas of Zone-II.
- It has medium height, and takes 142-145 days to mature.
- Its seed yield is 28-30 q/ha, and matures in 142-145 days.
- This variety has long siliqua with bold seeds with 39.5% seed oil content.



PACKAGE of PRACTICES**AU, Kota****Technology Recommendations**

The University approved following major recommendations for inclusion in Package of Practices for the Agro-Climatic Zone-V.

Chickpea

- Agriculture University, Kota, released three new varieties of chickpea namely, Kota Desi Chana 2 (RKGM 20-1), Kota Desi Chana 3 (RKGM 20-2), Kota Kabuli Chana 4 (RKGK 13-416), and were recommended for production in the Kota division.

Masoor

- Kota Masoor 6 (RKL 20-26(D)) is moderately resistant to wilt, and is recommended for production in the Kota division.
- Foliar application of ZnSO_4 @ 0.5% (5 g/litre) + FeSO_4 @ 0.5% (5 g/litre) with lime (5 g/litre) at flower and pod initiation stages along with recommended doses of fertilizers gives higher yield of lentil with higher iron and zinc in grain.

Mustard

- Basal application of 40 kg sulphur + 5 kg zinc + 1 kg boron per hectare (after enrichment with 500 kg FYM for 15 days) along with recommended doses of fertilizers gives higher seed yield and net return of mustard.

Field pea

- Foliar application of ZnSO_4 @ 0.5% (5 g/litre) + FeSO_4 @ 0.5% (5 g/litre) with lime (5 g/litre) at flower initiation and pod initiation stages along with recommended doses of fertilizers gives higher yield of field pea with higher iron and zinc content in grain.

Coriander

- Foliar spray of thiosalicylic acid @ 100 ppm solution at the time of 50 % flowering gives higher seed yield and essential oil content in coriander (under both timely and late sown conditions).

Potato

- Soil application of Zn @ 2.5 kg/ha at the time of sowing and two foliar spray of ZnSO_4 @ 0.2% solution (2 g/litre) at 25 and 50 days after sowing in potato gives higher tubers yield with higher Zn content in tubers.

Quinoa

- Sowing of quinoa crop at 30 cm row spacing using seed rate @ 7.5 kg /ha gives higher yield and net returns.
- Quinoa crop fertilized with 150 kg N, 75 kg P and 50 kg K/ha gives higher grain yield and net returns.
- Growing of quinoa on broad bed furrows and three irrigations at 20-25, 55-60 and 90-95 days after sowing gives higher yield and net returns.

Tomato

- Tomato crop irrigated every third day by drip irrigation (25-30 minutes) and application of recommended doses of fertilizers (NPK@ 180-120-80 kg/ha) through water-soluble fertilizers viz., urea (46:00:00), urea phosphate (17:44:00) and NPK (19:19:19) in 10 equal splits at an interval of 6-9 days with drip fertigation gives higher yield.

Cucumber

- Cucumber crop irrigated every third day by drip irrigation (30-35 minutes) and application of recommended doses of fertilizers (NPK@ 100-40-40 kg/ha) through water-soluble fertilizers viz., urea (46:00:00) and NPK (19:19:19) in 10 equal splits at an interval of 6-9 days with drip fertigation gives higher yield.

Cabbage

- One spray of chlorantraniliprole 18.50 % SC @ 0.1 ml/litre at pest initiation is effective for the control of diamond black moth (DBM).

Chill

- In chilli crop, three sprays of water soluble NPK (19:19:19) @ 0.5% (5 g/litre) at 45, 60 and, 75 DAT gives higher yield.

Nigella

- Spray of tebuconazole 50% + trifloxystrobin 25% WG @ 0.4 g/litre at disease initiation and second spray at 15 days interval is effective for the control of alternaria blight disease of nigella (*Nigella sativum* L.).

Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST-J), Jammu

- **Management of blast of rice caused by *Pyricularia oryzae***
Foliar application of tebuconazole + trifloxystrobin @ 0.1% is recommended to manage blast of rice caused by *Pyricularia oryzae*.
- **Management of maydis blight of maize caused by *Bipolaris maydis***
Foliar application of azoxystrobin @ 0.1% is recommended to manage maydis blight of maize caused by *Bipolaris maydis*.

ANIMAL SCIENCE**Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), Ludhiana****Authentic Milk Yield Recording of Dairy Animals**

Dr Neeraj Kashyap, Assistant Professor, College of Animal Biotechnology, Guru Angad Dev Veterinary Sciences University, Ludhiana, successfully secured a patent for an Internet of Things (IoT) device for authentic milk yield recording of dairy animals.

- This groundbreaking technology has the potential to revolutionize the dairy industry by ensuring accurate and tamper-proof milk yield tracking of the animals and thereby enhancing transparency and trust.
- It will serve as a means for empowering dairy farmers with data-driven insights helping them to get better recognition and market prices for their elite animals.
- The technology will also help dairy breeders to expand the scope of genetic evaluation of dairy animals, enabling them to realize accurate selection and better genetic improvement.



Device based on IOT System for Authenticating Milk Yield Recording of Dairy Animals

TEACHING

AU, Kota

Undergraduate (Hons.) Agriculture and Postgraduate Programmes in Agronomy and Agricultural Extension Education of College of Agriculture, Kota have been accredited for 5 years from April 2024 to March 2029 by National Agricultural Education Accreditation board of Indian Council Agricultural Research, New Delhi.

Dr Y.S.R. Horticultural University (Dr YSRHU), Venkataramannagudem

Career Development Centre

Dr YSRHU – Under Career Development centre conducted programmes for the students promoting personal and professional development through a series of insightful programs.

- **Capacity Building Programme:** Mastering Stress and Time - Empowering Strategies for Personal and Professional Excellence (Hybrid Mode) - 26 June 2024.
- **Entrepreneurship and Innovation Session:** Igniting Entrepreneurial Spirit in Students - Sensitization and Interaction Session on Entrepreneurship Development (Hybrid Mode) - 6 July 2024.
- **Placement Coordination:** Preparing for the Future - Sensitization Programme on How to Crack Interviews, Activity-IV (Hybrid Mode) - 20 July 2024.
- **Placement Coordination:** Preparing for the Future - Sensitization Programme on Grow More with Less Investment - Effective Approaches for Efficient Efforts (Hybrid Mode) - 23 July 2024.
- **Idea Pitching Programme:** Idea Fest - Celebrating Innovation and Creativity (Virtual Mode) - 27 July 2024.
- **Alumni Coordination:** Connecting Success - An Interactive Session with University Alumni (Hybrid Mode) - 30 July 2024.



Activities taken under Career Development Centre

GADVASU, Ludhiana**Korean Expert Shares Advanced Veterinary Medical Techniques**

Department of Teaching Veterinary Clinical complex (TVCC) of Guru Angad Dev Veterinary and Animal Sciences University invited Professor Hee-Myung Park from College of Veterinary Medicine, Konkuk University, Republic of Korea to give international exposure to the students and faculty. Professor Park delivered lecture(s) on veterinary nephrology, dialysis, interventional ultrasound, and cardiology. He also provided hands-on practical demonstration of various interventional ultrasound procedures and provided insight into interventional cardiology.



Professor Hee-Myung Park with GADVASU Faculty and Students

Faculty Induction Training Programme

Directorate of Human Resource Management of Guru Angad Dev Veterinary and Animal Sciences University organized the fourth Faculty Induction Training Programme for 18 newly appointed Assistant Professors to equip them with essential skills and insights necessary for their roles. Expert(s) imparted knowledge on promotion and tenure processes, research article writing, international training approvals, intellectual property management, etc. The training also included practical field visits to various University departments and research facilities besides visiting CIPHET, and ICAR-ATARI. Workshops on communication skills, artificial intelligence tools, and wealth management were also conducted.



Faculty Induction Training Programme

SKUAST-J, Jammu

- Counseling for Admission to Postgraduate and Undergraduate Programmes Conducted: Subsequent to the declaration of results of SKUAST of Jammu Common Entrance Test (CET)-2024 for undergraduate (UG) and postgraduate (PG) degree programmes (except M.V.Sc.), three rounds of counseling for admissions to fill seats in 06 undergraduate programmes namely B.V.Sc. and A.H., B.Sc. (Hons.) Agriculture, B.Sc. (Hons.) Horticulture, B.Tech. (Biotechnology), B.Tech. (Agril. Engineering) and B.Tech. (Diary Technology) and 24 postgraduate programmes were conducted by Admission-cum-Counseling Committee. Similarly, for filling seats in different disciplines at the Master level, three rounds of counseling were completed. With this exhaustive exercise of counseling, most of the seats, including NRI seats, were filled, and batches for 1st year (1st semester) for UG and PG degree programmes got underway for the academic year 2024-25.
- Internship students of RAJUVAS, GADVUSU, Mathura and Khalsa College, Amritsar are being imparted training at Division of VCC, F.V.Sc and AH, R.S. Pura.

Tamil Nadu Veterinary and Animal Sciences University (TANUVAS), Tamil Nadu

- Tamil Nadu Veterinary and Animal Sciences University organized a One-day workshop on Effective Use of e-Resources and MyLOFT for Education and Research, at Veterinary College and Research Institute, Theni on 06 August 2024 benefitting UG students.



Workshop on Effective Use of e-Resources
and MyLOFT for Education and
Research– VCRI, Theni

- Tamil Nadu Veterinary and Animal Sciences University organized the 14th Clinical Case Conference on Farm and Companion Animal Practice for Veterinary Students, at Madras Veterinary College, Chennai from 01-02 August 2024. One-day pre-conference workshop on Clinical Updates in Small Animal Practices, was also organized on 31 July 2024. A total of 366 UG and PG students from eight states of our country participated and presented clinical cases.

UAS, Bengaluru

PG Science Week 2024: Student Symposium

The Directorate of Post Graduate Studies organized the eleventh edition of PG Science Week: Student Symposium from 6-9 August 2024 by University of Agricultural Sciences, Bengaluru.



Inaugural session of Science Week -2024



Dr R.C. Agrawal, DDG (Agril. Edn.), ICAR, New Delhi,
addressing PG students and faculty

EVENTS and ACTIVITIES

AU, Kota

- Agriculture University, Kota organised one-week specialized training programme on Advance Administrative and Financial Management for 44 non-teaching staff including 20 newly recruited staffs of the University during 22-27 July 2024.



Training on Advance Administrative and Financial Management

- Agriculture University, Kota organized one-week training programme on Capacity Enhancement of Supporting Staff for all 32 Class-IV employees of the University during 27 August to 02 September 2024 with 03-day field visit to ICAR-NRC Seed Species, Ajmer. This is the first of its kind in any SAUs as well as General University and State Government Departments.



Training on Capacity Enhancement of Supporting Staff

CCSHAU, Hisar

- National Space Day** was celebrated by organizing a lecture on Application of Remote Sensing and GIS in the Fisheries Sector on 29 August 2024 at COFS, CCSHAU, Hisar
- Organized 2-day workshop on Vedic Mathematics in collaboration with INYAS and VIBHA, Haryana on 21-22 August 2024, and 25 teachers from different schools of Rewari participated in the programme at COA, Bawal.
- Celebrated National Honey Bee Day and organized hands on training and various events/competition for students at COA, Bawal.
- Organized National Sports Day celebration on 118th Birth Anniversary of Major Dhyan Chand on 29 August 2024 at COA, Bawal, and also Sports Tournament during 25-27 September 2024.

Trainings

- Training was organized on Biochemical Technologies and Instrumentations from 27 August 2024 to 02 September 2024 with 15 participants.
- Training was organized on Unlocking the Potential of Moringa: Opportunities for GLOBAL Health and Climate Resilience from 17-26 September 2024 with 25 participants.

Induction Training

The AAREM, DHRM organized an Induction Training from 18 September to 18 October 2024. This course was for newly appointed teachers of the university. A total of 30 participants attended the course. Vice Chancellor, CCS HAU, Hisar Prof. B.R. Kamboj was the Chief Guest at the inaugural function. Dr Ajit Singh Yadav, ADG (EQAR), and Dr Bimlesh Maan, ADG (EP&HS), ICAR, New Delhi graced the valedictory function.

The main objectives of the training were:

- To provide the participants the information needed to start performing their duties so that they adapt easily to their new roles
- To integrate new employees into the institution and make them understand the system and the procedures followed.
- To address the specific needs and training of teachers related to learning outcome Professional Development design of course curricula including online course.



Dr B. R. Kamboj, VC, CCSHAU (center-sitting) with Faculty and Participants of Induction Training

Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV), Palampur

North Zone Inter-University Entomology Quiz-2024

The Department of Entomology at CSK Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV), in partnership with the Entomological Society of India (ESI), proudly hosted the final round of the North Zone Inter-University Entomology Quiz-2024 on 23 September 2024. This vibrant competition brought together talented postgraduate students from seven distinguished agricultural universities across North India, and highlighted their expertise in the fascinating world of entomology. The Vice Chancellor, Prof. Naveen Kumar, congratulated the winning team, and commended the organization of such events, highlighting their role in enhancing students' knowledge in a competitive environment.



Plant-4-Mother Campaign Extended to Adopted Village by the University

The Plant-4-Mother campaign, initiated by Vice Chancellor Prof. Naveen Kumar at Chaudhary Sarwan Kumar Himachal Pradesh Agricultural University, was extended to the adopted village of Khajura basti in gram panchayat Majherna under the



Farmers FIRST programme. The event was organized under Unnat Bharat Abhiyan 2.0, a flagship programme of Ministry of Education Government of India. Farmers planted Aonla and Jamun saplings on the common land of the village.

CSKHPKV in collaboration with ICAR-NAARM organized Sensitization Programme on Fostering Entrepreneurship Education in Agriculture and Allied Sectors to their students.

Sensitization Programme on Fostering Entrepreneurship Education in Agriculture and Allied Sectors, was organized on 28 August 2024 in which > 1,100 students and faculty members of University, and NAARM participated in the programme. The main emphasis of the programme was to educate the students about the entrepreneurial opportunities in agriculture and allied sectors in the present-day scenario.



CSKHPKV KVK begs Outstanding Natural Farming KVK Award at SKUAST, Kashmir

Farmer Science Centers (KVK), Sirmour, at Dhaula Kuan received 'Outstanding Natural Farming KVK Award' during Progress Review-cum-Awareness Workshop on Out Scaling of Natural Farming through KVK's, held on 22-23 July 2024 at Sher-e Kashmir University of Agricultural Sciences and Technology (SKUAST), Shalimar-Kashmir.



Training of Fish Farmers concluded on the Eve of Celebration of National Fish Farmers Day at Farm Veristy

Three-day training on Integrated Fish Farming for Sustainable Livelihood Security sponsored by the National Fisheries Development Board was conducted w.e.f. 8-10 July 2024 at Dr G. C. Negi College of Veterinary and Animal Sciences. A total of 50 farmers took part in this training, coming from villages near Palampur. In this three-day training programme, eleven lectures were delivered, and visits to various departments were also organized.



Dr Rajendra Prasad Central Agricultural University (Dr RPCAU), Pusa

Workshop

A workshop entitled 'Demystifying Intellectual Property Rights' was organized at RPCAU, Pusa. The workshop was attended by Vice Chancellor, Registrar, Deans, Directors, and faculty members of the University. The event featured insightful talks by eminent experts in the field, including Dr Sudhir Kochhar, Former ADG (IPR) and Former National Coordinator (NAIP), and Dr Sanjeev Saxena, Former ADG (IP&TM and PME), Indian Council of Agricultural Research.



Training

- A six-day training programme on 'Strengthening Scientific Beekeeping Enterprises and Value Addition of Honey' was organized during 6-11 September 2024, sponsored by the National Bee Board (NBB). The programme was presided over by Vice Chancellor Dr P. S. Pandey. Approximately 50 participants from various districts of Bihar attended the training.



Conference

- A one-day national conference on the theme 'Climate-Resilient Agriculture and Disaster Management for a Prosperous Nation' was organized at the university on 26 September 2024, chaired by Vice Chancellor Dr P. S. Pandey. The event featured the esteemed presence of the Chief Guest, Dr Sanjay Kumar Srivastava, Chief of Disaster Risk Management, ESCAP, and Dr Pradhan Parth Sarthi, Dean of South Bihar Central University, Gaya. During the programme, former Vice Chancellor of Navsari Agricultural University, Dr A. R. Pathak; former Vice Chancellor of the University of Agricultural Sciences, Dharwad, Dr M. B. Chetty; and Dr A. K. Shukla, Vice Chancellor of Rajmata Vijayaraje Scindia Agricultural University, Gwalior, delivered speeches in the technical session via online platforms. The event was attended by all deans, directors, department heads, faculty, staff, and students of the university.



GADVASU, Ludhiana

Pashu Palan Mela

S. Gurmeet Singh Khuddian, Cabinet Minister, Agriculture, Animal Husbandry, Dairy Development and Food Processing, Punjab inaugurated the *Pashu Palan Mela* organized by the Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana on 13-14 September 2024. S.



Khuddian visited the stalls of various departments of the University, expressing keen interest in diverse facets of livestock farming. He underscored the role of livestock farming in rural livelihood and motivated farmers to develop their own entrepreneurial ventures of livestock for better income. S. Khuddian conferred the Chief Minister awards to three best farmers in Cattle Farming, Poultry Farming, and Value Addition of Livestock Produce categories.

Dr Jatinder Paul Singh Gill, Vice Chancellor emphasized value addition of livestock products to augment income level of farmers, and shared that the slogan of Mela '*Uttipadan ton Uttipad Banaiye, Aao Vadh Munafa Paiye*' is also based on this objective.

The event provided a platform to the farmers, scientists, field functionaries, veterinary pharmaceuticals, agri-business firms and banking sectors for showing their experience and exchange knowledge, latest technologies and schemes coming up in the livestock sector. The *Pashu Palan Mela* concluded with a new hope for a brighter future in livestock rearing.

Six-week Short Course on Bioinformatics

Dr CS Mukhopadhyay, Senior Scientist and course-coordinator from College of Animal Biotechnology, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, organized the Six-week Short Course on Bioinformatics (hybrid mode) for faculty and students to enhance their knowledge and hands-on training in the field of Bioinformatics held from 29 August to 09 October 2024. A total of 07 participants attended the training to hone up their skills.



Maharana Pratap Horticultural University (MHU), Karnal

Global Meet on Science and Technology (GMST 2024)

Climate Smart Agriculture including Horticulture for Sustainable Development, was organized on 21-22 September 2024. About 100 participants attended the meeting from various SAUs.



Professor Jayashankar Telangana Agricultural University (PJTSAU), Hyderabad

Van Mahotsav – 2024

Van Mahotsav – 2024 was organized at University Health Center, Rajendranagar, Hyderabad on 31 July 2024. Dr P. Raghu Rami Reddy, Director of Research and Registrar, PJTSAU participated as Chief Guest of the programme and started the tree-planting program. Dr C. Narendra Reddy, Associate Dean, along with other University Officers, Teaching and Non-teaching Staff, and a large number of students participated in this program. Saplings (150) of neem, ravi, and plumarium were planted on the occasion.



Elemental Analysis Services Workshop for South Asia

Dr P. Raghu Rami Reddy, Director of Research and Registrar, PJTGAU, participated in the inaugural session of Elemental Analysis Services Workshop for South Asia at ICRISAT campus, Patancheru, Hyderabad on 12 August 2024, and presented a talk on the Nutrition Relevance to SAUs.



Elemental Analysis Services Workshop for South Asia

National Workshop on Cost of Cultivation Scheme – 2024

A two-day National Workshop on Cost of Cultivation Scheme – 2024, was organized at University Auditorium, PJTSAU, Rajendranagar, Hyderabad from 22-23 August 2024. Shri Devajit Khound, Principal Economic Advisor, Ministry of Agriculture and Farmers' Welfare, Government of India, as Chief Guest of the programme inaugurated the workshop. Shri Dhananjay Prasad Srivastava, Advisor, Cost of Cultivation Scheme participated as Guest of Honor. Dr P. Raghu Rami Reddy, Director of Research



National Workshop on 'Cost of Cultivation Scheme

and Registrar, PJTGAU, and Dr Suhasini, Honorary Director, Cost of Cultivation Scheme participated in the programme. Delegates (150) from 19 Indian States participated in the workshop.



SKUAST-J, Jammu

Training Programme organized under Extension are as follows:

- Krishi Branding Centre of ABI, SKUAST-Jammu, in collaboration with the Directorate of Horticulture Planning and Marketing, Jammu organized a three-day training program from 9-11 September 2024 aimed at bolstering the Rural Business Service Hubs (RBSH) as part of Project – Strengthening Agricultural Marketing in U.T. of J&K, under the Holistic Agriculture Development Programme (HADP). Prof. B. N. Tripathi, Vice Chancellor, SKUAST-J was the Chief Guest during the valedictory function of the training program. Prof. Tripathi motivated the trainees to think big, dream big and explore the opportunities present in the agri-business sector and distributed certificates to all the participants of the training, acknowledging their active participation and commitment to the program on the occasion.
- Fifteen-day certificate course on Integrated Nutrient Management for input dealers, held on 15-31 July 2024 at KVK Jammu with 41 Participants.



Certificate Course on Integrated Nutrient Management (INM)



Certificate course on INM for Input dealers

- Fifteen-day certificate course on Integrated Nutrient Management for input dealers, held on 29 August 2024 to 14 September 2024 at KVK Poonch with 21 participants.
- Organized 15-day training programme on Integrated Nutrient Management for Input Fertilizer Dealers held on 11 September 2024 to 03 October 2024 at KVK Rajouri with 23 participants.
- Fifteen-day certificate course on Integrated Nutrient Management for input dealers held on 29 July 2024 to 12 August 2024 at KVK Kishtwar with 10 participants.
- Conducted 10-day training on Artificial intelligence solutions for plant disease and pest diagnosis and management from 25 June to 04 July 2024 under ICAR- NAHEP, IDP.



Workshop on Agriculture 5.0: Future of Smart Farming Jammu

Under the leadership of Prof. Bhupendra N. Tripathi, Vice Chancellor, SKUAST -Jammu, Division of Soil Science and National Agricultural Higher Education Project -Institutional Development Project

(NAHEP-IDP) operational at SKUAST-Jammu organized a one-day workshop on Agriculture 5.0: Future of Smart Farming on 22 July 2024. Prof. Tripathi highlighted the importance of technology and engineering inputs and implements for smart farming and improving the production to cater the need of 1.4 billion population. In his address he also mentioned about the journey of agriculture from 1.0 to 4.0 and future farming version 5.0.



Prof. Bhupendra N. Tripathi, Vice Chancellor, SKUAST -Jammu and eminent speakers addressing the gathering

TANUVAS, Tamil Nadu

Training

- College of Poultry Production and Management, Hosur of TANUVAS organized BASIC ATAL sponsored Faculty Development Program entitled Technology dissemination on the sustainability of animal food products on human nutrition and health, from 05 August 2024 to 10 August 2024.



Faculty Development Program entitled Technology Dissemination on the Sustainability of Animal Food Products on Human Nutrition and Health - CPPM, Hosur

Conferences

- International Conference on Innovative Education, Research and Extension held on 10–12 July 2024 at Veterinary College and Research Institute, Orathanadu with 169 participants.
- International Conference on Impact of Climate Change on Biodiversity - A Global Perspective held on 11-13 July 2024 at Madras Veterinary College, Chennai with 182 participants.
- National Conference on Laboratory Animal Welfare and Nutrition in Biomedical Research, held on 25 July 2024 at Veterinary College and Research Institute, Udumalpet with 176 participants.
- International Conference on Global Approaches of Herbal Research in Livestock and Poultry for Green Animal Production, Healthcare and Farmer's Livelihood, held on 03-04 August 2024 at Veterinary College and Research Institute, Tirunelveli with 155 participants.

- International Conference on Small Holders' Goat Production in the Tropics held on 08-09 August 2024 at Postgraduate Research Institute in Animal Sciences, Kattupakkam with 200 participants.
- National Conference on Challenges in Animal Health and Production amidst Climate Change: Innovative sustainable solutions and their translation– VIBCON 2024 held on 26 September 2024 at Madras Veterinary College, Chennai with 170 participants.

Tamil Nadu Agricultural University (TNAU), Coimbatore

TNAU 44th Annual Convocation

The 44th Annual Convocation of TNAU was held on 09 September 2024 in the University Convocation Hall. The Hon'ble Governor of Tamil Nadu and the Chancellor of the University, Shri R.N. Ravi presided over the Convocation and announced the endowment awards. Dr Trilochan Mohapatra, Chairperson, Protection of Plant Varieties and Farmers Rights Authority, Government of India, New Delhi and Former Director General, Indian Council of Agricultural Research, New Delhi was the Chief Guest, and delivered the Convocation address. On this occasion, 9,526 candidates from UG, PG, Ph.D. programme received degrees and six candidates got awards. The convocation had 3,415 candidates In-person and 6,111 candidates of In-absentia mode from the Constituent Colleges and Affiliated Colleges.



TNAU 44th Annual Convocation

Training

Training on Precision Agriculture Technologies to Farmers

The Department of Soil and Water Conservation Engineering, AEC&RI, conducted a training program on Precision Agriculture Technologies under GOI – Precision Farming Development Centre, National Committee on Plasticulture Applications in Horticulture (NCPAH) from 16-22 July 2024. A group of 35 participants from various districts of Tamil Nadu attended the training program. Dr R. Thamizh Vendan, Registrar, inaugurated the training program and highlighted the importance of precision farming in the current era. The participants were trained on precision farming technologies like greenhouse construction, irrigation techniques for greenhouse, hydroponics, vertical farming and its application for growing horticultural crops. Valedictory function was conducted in the presence of Dr A. Raviraj, Dean, AEC&RI, Coimbatore.



Training on Precision Agriculture Technologies to Farmers

Global Nano Connect to Tackle Challenges in Indian Agriculture

The Center for Agricultural Nanotechnology, Tamil Nadu Agricultural University, Coimbatore organized a Global Conference on Nano Connect during 5-6 September 2024. The event encompassed nano-agri inputs with improved use efficiency, nano-food systems, nano-diagnostics for early detection of pests, diseases and nutrient deficiencies, nano-remediation and safety of nano-products in agri-food systems. Dr V. Geethalakshmi, Vice Chancellor, Tamil Nadu Agricultural University, Coimbatore, expressed her happiness of



Global Nano Connect to Tackle Challenges in Indian Agriculture

hosting a Global Event in Nanotechnology in Agriculture. She proudly informed that the Tamil Nadu Agricultural University is the first State Agricultural University in India to establish an exclusive Center for Agricultural Nanotechnology as early as 2010. Dr S.K. Chaudhari, Deputy Director General (NRM) of ICAR, New Delhi, Chief Guest of the event congratulated the TNAU and Organizing Secretary for putting pieces of innovations in agricultural nanotechnology and making it an informative global event. Dr R. Thamizh Vendan, Registrar, TNAU, Dr K.S. Subramanian, Scientific Advisor to Coromandel International Limited, Hyderabad and Dr A. Velmurugan, Asst. Director General (SWM), ICAR, New Delhi, offered felicitations. Dr P. Balasubramaniam, Director (NRM) welcomed the gathering and Dr V. Gomathi, Professor and Head, Center for Agricultural Nanotechnology, proposed a formal vote of thanks. Lead speakers from USA, Canada, Australia and UK delivered their lectures online. The Organizing Secretary thanked the fund providers for financial support that helped in conducting the event in a fitting manner. More than 300 participants participated.

International Conference on Agrovoltatics and Sustainability in Farming

TNAU in collaboration with Teesside University, UK hosted an International Conference on AgroVoltaics and Sustainability in Farming at Agricultural Engineering College and Research Institute (ICAR Accredited, AICTE Approved and ISO Certified Institute: 21001:2018) as a part of activity under MoE sponsored SPARC and UKIERI project on 19 September 2024. Around 200 participants, scientists and students from various college and industry experts attended the conference. During the inaugural session, Prof.



International Conference on Agrovoltatics and Sustainability in Farming

Senthilarasu Sundaram, International PI (UKIERI), Teesside University, UK briefed that the conference is designed to be a premier forum for the deliberations on Agrovoltatics and Sustainable Agricultural Practices. Dr A. Raviraj, Dean (Agrl. Engg.) in his felicitation address highlighted the activities undergone in Agricultural Engineering College and Research Institute, Coimbatore, towards formulating sustainable solutions. Prof. V. Geethalakshmi, Vice Chancellor, TNAU presided the inaugural ceremony and released proceedings of the conference. In her inaugural address, Prof. V. Geethalakshmi highlighted the objective of the SPARC and UKIERI project and reported that in the near future Agrovoltatics will be practiced in all the Departments of TNAU. The event was effectuated with keynote addresses by Prof. Hari Upadhyaya, London South Bank University, UK, Prof. Kumar Patchigolla, Prof. David Hughes and Prof. Michael Short, Teesside University, UK, Dr Lakshmi Santhanam, COO, Co-Founder, Renkuba Solar Energy Pvt Ltd., Bengaluru. The event featured a series of technical sessions, oral and poster presentations tailored to exchange of knowledge on Agrovoltatics technologies. The conference was organized under Scheme for Promotion of Academic and Research Collaboration (SPARC), Ministry of Education. Dr D. Ramesh, Professor and Head, Department of Renewable Energy Engineering and Dr R. Mahendiran, Professor (REE) and Indian PI (SPARC), Organizing Secretary took key activities of the conference.

State Level Mega Farmers Day

Tamil Nadu Agricultural University conducted a State Level Mega Farmers Day 2024 on 26 September 2024 at TNAU Campus. Shri M.R.K. Panneerselvam, Minister for Agriculture and Farmers Welfare, Government of Tamil Nadu and Pro-Chancellor, TNAU inaugurated the exhibition, awarded the farmers and delivered the Farmers Day Address. Shri S. Muthusamy, Minister for Housing and Urban Development, Government of Tamil Nadu released the book on *Rural*



State Level Mega Farmers Day

Women Agriculturists and Youth Agricultural Achievers, and delivered the special address. Shri M.P. Swaminathan, Minister for Tamil Development and Information, Government of Tamil Nadu delivered a special address besides distributing a new crop variety package to the farmers. Selvi. Apoorva, IAS, Agricultural Production Commissioner and Principal Secretary to Government, Agriculture and Farmers Welfare Department delivered the keynote address. Dr V. Geethalakshmi, Vice Chancellor, TNAU delivered the presidential address.

UAS, Bengaluru

- The University of Agricultural Sciences, Bengaluru organized Krishi Santhe on 27 July 2024 at GKVK Campus, Bengaluru to educate the general public and farmers about the activities and products of the University.



Glimpses of Krishi Santhe

Trainings

- Entrepreneurship development programme on production of enriched food products was organized by scientists of AICRP on Women in Agriculture during 1-8 August 2024 at ICAR-KVK, Chintamani with 17 men and 8 women participants.
- Training Programme conducted at Institute of Baking Technology and Value Addition center, GKVK, Bengaluru:
 - Fourteen-Week Certificate Course in Baking Technology; one programme; 36 participants.
 - Four-week Baking Course; three programme; 38 participants.
- Six Certificate Courses of 15-day duration on Integrated Nutrient Management were organized at Staff Training Unit, GKVK, Bengaluru between 31 July- 17 September 2024. A total of 156 participants (144 man, 12 women) attended the programmes.



Inaugural function of Certificate Course on Integrated Nutrient Management and release of study material of the prog.

Conference

Department of Crop Physiology, College of Agriculture, GKVK organized International Dialogue on Crop Growth Modulation through Hormone Elicitors - Implications for Entrepreneurship Development, on 28 September 2024 in Hybrid mode. There were three lead speakers, one panel discussion and 200 participants in the event.

Insect Exhibition

Department of Entomology, Collage of Agriculture, Hassan organized four-day District level insect exhibition, **Vismaya Keeta Prapancha** in collaboration with Red Cross Society, Veterinary College, HDFC Bank limited and Institute of Agriculture Technologist, Hassan, from 19-22 August 2024 at Red Cross Bhavana, Hassan. The insect exhibition was a huge success with more than 7,000 visitors from all the age groups.



MoUs

CCSHAU, Hisar

Non-Exclusive License Agreement Signed

A Non-Exclusive license agreement Signed with Saraswati Sugar Mill Ltd., Yamunanagar regarding Collaboration in research about sugarcane crop on 22 July 2024.

Dr YSRHU, Venkataramannagudem

- MoU between ICAR- Indian Institute of Spices Research (ICAR-IISR), Kozhikode, Kerala and Dr YSR Horticultural University on 05 June 2024 for a period of 3 years.
- MoU between ICAR – Central Soil Salinity Research Institute (ICAR-CSSRI), Karnal, Haryana and Dr YSR Horticultural University on 11 June 2024 for a period of 3 years.

The objectives of the MoUs being:

- Human resource development through education
- Conduct of need based and location specific research
- Dissemination of proven technologies.

GADVASU, Ludhiana

University Inks Pact with IQVL Pvt. Ltd for Kisan Drone Pilot Training

Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, ICAR- Agricultural Technology Application Research Institute (ATARI -Zone 1), Ludhiana and M/s IQBri Verticals Pvt. Ltd (IQVL), Mohali inked a tripartite Memorandum of Understanding (MoU) for collaborating on the execution for the training project Kisan Drone Pilot. The Director General of Civil Aviation (DGCA) affiliated Remote Pilot Training organizations (RPTO) will be opened in Punjab, the first one being at KVK,



Barnala of GADVASU to train farmers in using drones as indispensable agricultural tools with up to 90% water saving during spraying of insecticides and fungicides etc. It will also reduce the use of pesticides/fertilizers and labour involved in agriculture operations. This MoU is first of its kind in Punjab.

University Partners with Young Lady Entrepreneur to Launch Cattle Feed Start-ups in Punjab

The University and AS Cattle Feeds, Kotkapura (Faridkot) inked the Memorandum of Understanding (MoU) to collaborate on consultancy services for feed formulation. The Director of Research of the University and Mrs Sukhpreet Kaur of Young Lady Entrepreneur signed the MoU in the presence of S. Kultar Singh Sandhwan, Speaker of Punjab Legislative Assembly, the Vice Chancellor and officers of the University. The MoU blending academic research with industry expertise includes knowledge sharing, consultancy, and the development of tailored feed formulations, with a focus on continuous evaluation and improvement.



VLIIF Formalize Incubation Agreements with Leading Startups

The Veterinary and Livestock Innovation and Incubation Foundation (VLIIF), section 8 company of the University has marked a significant advancement in the field of veterinary and livestock sciences with the formal signing of incubation agreements with seven emerging startups, viz. Chimertech Pvt. Ltd, Agristar Animal Solution Pvt. Ltd, Just Bark, Bioadaptis, B. G. Innovatech OPC Private Limited, Grobiz and Bharti International Company. By joining the VLIIF incubator programme, these startups will have access to a comprehensive support system, including mentorship from industry experts, access to cutting edge research facilities, and opportunities for networking and collaboration.



G. B. Pant University of Agriculture and Technology (GBPUAT), Pantnagar

GBPUAT, Pantnagar signed Agreement with Russia's Saint Petersburg University

The GB Pant University of Agriculture and Technology, Pantnagar, Uttarakhand, signed an agreement with Russia's Saint Petersburg University to enhance research and education in cattle cloning and veterinary science. The agreement was signed during the recent visit of a four-member team from Pantnagar University to Russia.

The agreement aims to bolster collaborative research between the two institutions in cattle cloning and veterinary science.



Dr M. S. Chauhan, VC, GBPUAT and his team members with officials of Saint Petersburg University during MoU signing ceremony

PJTSAU, Hyderabad**Memorandum of Agreement (MoA)**

Memorandum of Agreement (MoA) was signed and exchanged between PJTSAU and two private seed sector firms, M/s Chakra Seeds and M/s Sai Krishna Seeds, both based in Kurnool, for commercial marketing and large-scale hybrid seed production of the recently released maize hybrid DHM 206 (Telangana Makka 3).

SKUAST-J, Jammu**SKUAST-J Inks MoUs with Leading Private Industries**

Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST-Jammu) signed strategic MoUs with United Phosphorus Limited, FIL Industries, and Bayer Crop Science, aimed at advancing agricultural and horticultural research and education. These partnerships will focus on four core areas: identify for funding the research projects/postgraduate/Ph.D. research of mutual interest, nominate professors of practice from industry to teach graduates in areas of their expertise and skill development, and infrastructure sharing.

TANUVAS, Tamil Nadu

A Memorandum of Understanding was signed between TANUVAS and National Foundation of Liver Research, Chennai on 04 September 2024 for academic and research collaboration. This MoU is valid for three years with effect from 04 July 2024.

TNAU, Coimbatore**MoU with Coimbatore Institute of Technology**

A Memorandum of Understanding (MoU) was signed on 01 July 2024 between Coimbatore Institute of Technology (CIT) and TNAU in the presence of Dr V. Geethalakshmi, Vice Chancellor, Dr R. Thamizh Vendan, Registrar and Dr Rajalakshmi, Principal, CIT. Through this MoU, both the institutes can encompass a range of collaborative activities designed to foster cooperation and synergy between the two institutions. The broad areas for joint collaboration would be Artificial Intelligence in plant growth, pest and disease monitoring, developing mobile Apps for farm advisory and machine learning applications in agriculture.



MoU with Coimbatore Institute of Technology

Grand Gover Horticulture Join Hands with TNAU

The Department of Floriculture and Landscape Architecture, HC & RI, Coimbatore took an initiative in signing an International Memorandum of Understanding (MoU) between Tamil Nadu Agricultural University and Grand Gover Horticulture Co. L.L.C., Dubai on 05 July 2024 in the presence of Vice Chancellor, Dr V. Geethalakshmi, Dr R. Thamizh Vendhan, Registrar, Dr P. Irene Vethamani, Dean (Horticulture) and Mr R. Senthil Nathan, Managing Director, Grand Gover Horticulture Co. L.L.C., Dubai. The MoU was signed for opening up research linkages in Vertical Greenery and Landscaping,

and Post Graduate student research fellowship support for two years. Grand Gover Horticulture Co. L.L.C., Dubai has provided technical internship for the Post Graduate student Mr T. Jeyasurya, II M.Sc. (Floriculture and Landscaping) for 15 days at Dubai between 09 July 2024 and 23 July 2024 in Green walls after signing the MoU, and has opened up exposure visit programmes for faculty members and students. The MoU signing ceremony was attended by Dr M. Ganga, Professor and Head (DF & LA) and other scientists, viz., Dr C. Subesh Ranjith Kumar, Dr R. Chitra and Dr S. Karthikeyan.



Grand Gover Horticulture Join Hands with TNAU

MoU with Parashar Agrotech, Varanasi

An MoU was signed between with M/S Parashar Agrotech Bio Private Ltd., Varanasi, for large scale commercial production and marketing of TNAU Stored Grain Insect Probe Trap on 16 July 2024. The insect probe trap invented by Dr S. Mohan, Retired Professor of Agricultural Entomology and the former Dean (SPGS) of TNAU, Coimbatore is an efficient device to detect and trap insects in stored grains. On behalf of TNAU, Dr R. Thamizh Vendan, Registrar and on behalf of Parashar Agrotech Bio Private Ltd., Mr Purnendra Shekhar Pandey, Director signed the MoU in the presence of Dr S. Mohan, the inventor of the trap. Dr E. Somasundaram, Director, Agribusiness Development, Dr A. Raviraj, Dean, Agricultural Engineering, Dr M. Balakrishnan, Professor and Head, Department of Food Process Engineering, scientists of TNAU and officials from the company were also present.



MoU with Parashar Agrotech, Varanasi

Collaboration for Floriculture Research

TNAU and M/s Everclean Technologies Pvt. Ltd., Puducherry signed an MoU on 26 July 2024 in the presence of the Registrar Dr R. Thamizh Vendhan, Dr P. Irene Vethamoni, Dean (Horticulture), Mr Akshith Parmar, Chief Executive Officer of M/s Everclean Technologies Pvt. Ltd, Dr M. Ganga, Professor and Head, Dr C. Subesh Ranjith Kumar, Professor (Horticulture), Dr R. Chitra, Associate Professor (Horticulture), Dr S. P. Thamaraiselvi, Associate Professor (Horticulture) and Dr S. Karthikeyan, Assistant Professor (Horticulture). The MoU was signed for opening up research linkages in pre- and post-harvest handling of traditional loose flowers through Post Graduate student research fellowship for two years at Department of Floriculture and Landscape Architecture.



Collaboration for Floriculture Research

TNAU inks MoU with M/s. VS Lignite Power Private limited

An MoU was signed on 10 September 2024 between Tamil Nadu Agricultural University and M/s. VS Lignite Power Private Limited, Andhra Pradesh for Identification of suitable released varieties of Cumbu Napier hybrids for commercial production as energy crop/energy plantation, in the presence of Dr V. Geethalakshmi, Vice Chancellor of TNAU and Dr R. Thamizh Vendan, Registrar, TNAU. Cumbu Napier hybrid grass varieties were developed by the scientists in the Department of Forage Crops, Centre for Plant Breeding and Genetics, TNAU, Coimbatore for high biomass yield. These

varieties have wider leaves, succulent stem, winter-hardy and yields throughout the year with quick regeneration. Its organic compositions are an ideal feedstock for biogas production. Dr R. Thamizh Vendan, Registrar, signed the MoU on behalf of TNAU, Mr Vinay Kumar Rawat signed for M/s. VS Lignite Power Private Limited. Dr R. Ravikesavan, Director of Centre for Plant Breeding and Genetics, Dr A. Raviraj, Dean, Agricultural Engineering College and Research Institute, Coimbatore, Dr R. Pushpam, Professor and Head of the Department of Forage Crops, Dr D. Ramesh, Department of Renewable Energy Engineering and other scientists from the Forage Crops Department and Dr P. Muralikkannan, Technical Consultant, V S Lignite Power Pvt. Ltd, were also present during the signing.



TNAU inks MoU with M/s. VS Lignite Power Private limited

TNAU inks MoU with M/s. Reliance Bio Energy Limited

An MoU was signed on 20 September 2024 between Tamil Nadu Agricultural University and M/s Reliance Bio Energy Limited (RBEL), Mumbai for – For Identifying specific fodder crops for energy plantation, in the presence of Dr R. Thamizh Vendan, Registrar. Fodder crop varieties developed by the scientists in the Department of Forage Crops, Centre for Plant Breeding and Genetics, TNAU, Coimbatore, are known for high biomass yield. Bajra Napier grass with organic compositions and with very high biomass potential serves as an ideal feedstock for energy plantation. Dr R. Thamizh Vendan, Registrar, signed the MoU on behalf of TNAU, Mr Bashir Ahmed Shirazi, the Chief Operating Officer, RBEL, Mumbai signed for M/s Reliance Bio Energy Limited (RBEL). Dr R. Ravikesavan, Director of Centre for Plant Breeding and Genetics, Dr R. Pushpam, Professor and Head, Department of Forage Crops, scientists from the Department of Forage crops, Mr G. Ananthan, Senior Manager, RBEL, Hyderabad and Mr Balaji Velumani, RBEL, Mumbai were also present during the signing. TNAU will support RBEL with the technical knowhow of cultivation of fodder crops as a source of energy generation.



TNAU inks MoU with M/s. Reliance Bio Energy Limited

MoU signed between TNAU and Central University of Tamil Nadu

TNAU signed an MoU with Central University of Tamil Nadu, Thiruvarur for collaborative research in Horticulture, on 23 August 2024. Dr R. Thamizh Vendan, TNAU, Coimbatore and Dr R. Thirumurugan, Registrar, Central University of Tamil Nadu, Thiruvarur signed the agreement. Dr V. Geethalakshmi, Vice Chancellor, TNAU, Coimbatore graced the occasion. The main objective of the MoUs is mutual sharing of expertise in Research, Education and Extension between TNAU and CUTN, Thiruvarur. Dr P. Irene Vethamoni, Dean, Horticultural College and Research Institute, TNAU, Coimbatore facilitated the signing of MoU.



MoU signed between TNAU and Central University of Tamil Nadu

UAS, Bengaluru

The university inked following MoUs with different agencies/partners for:

- Providing technical services for commercialization and marking of Bakery Products with Namma Bakers Cafe, Bengaluru on 08 July 2024 for 1 year.

- Developing advanced Toot Organ Tissue Culture technologies and advanced solid state fermentation techniques with MycoCorp Biological Pvt. Ltd, Bengaluru on 24 July 2024.
- Revolutionizing the service and product sector of CRISPR technologies in agriculture with Gener2Go Pvt. Ltd, Bengaluru on 26 July 2024.
- Using AIC facilities to refine ayurvedic inspired product formulations, validating business model through marker research, pilot testing and building brand awareness with Back2Millets Organic LLP, Bengaluru on 27 July 2024 for 3 years.
- Providing technology services through Bakery Incubation Center in developing and commercialization of bakery and value-added products with Sundara Ramana Foods, Bengaluru on 03 August 2024 for 1 year.
- Providing UASB Technology in preparation of ready to cook khara pongal and other 3 dishes with Micro Grain, Bengaluru on 30 August 2024 for 5 years.
- Providing UASB Technology in preparation of ready to cook khara pongal and other 3 dishes with Sagi Foods, Bengaluru on 30 August 2024 for 5 years.
- Establishment of Common Incubation Center at KVK Hassan with M/s Shuchi., Hassan on 12 September 2024 for 11 months.
- Establishment of Common Incubation Center at KVK Chintamani with Girish Enterprises, Harohalli, Kolar on 12 September 2024 for 11 months.
- Establishment of Common Incubation Center at KVK Mandya with Shree Suchem Industry, Maddur, Mandya on 11 September 2024 for 11 months.
- Establishing Independent Contactor Agreement- payment of compensation/ fund on performance of services related to assessing the efficacy of biological control agents in IPM of fall armyworm across diverse agricultural setting in India with State of North Carolina University, on 28 September 2024.
- Marketing of products developed by the Department of Agricultural Microbiology UAS, Bengaluru (powder formulation and liquid formulation of specific isolates of biofertilizer) with M/s Saptagiri Agro Tech, Chintamani on 18 September 2024 for 2 years.

IPR**CCSHAU, Hisar****IPR Granted**

A design of a machine, viz. Hempseed Dehuller Machine, designed by faculty and student of Department of PFE, COAE&T, CCSHAU, Hisar bearing number 418617-001 was granted on 09 July 2024 by Patent Office, Government of India.

The present invention relates to an efficient apparatus and method for dehulling hempseed and separating kernels from their outer shells. They have a hard outer shell with a soft nutritious seed inside.

GADVASU, Ludhiana**IoT Based System for Authenticating Milk Yield Recording of Dairy Animals and Method, thereof**

The University has successfully secured a patent for an innovative method to automate and ensure authentic milk yield recording in the field conditions for dairy farmers practicing hand milking in their

dairy herds. This innovative solution leverages Artificial Intelligence (AI) and Internet of Things (IoT) technology for authentic milk recording. It will serve as a means for empowering dairy farmers with data-driven insights helping them to get better recognition and market prices for their elite animals. The technology will also help dairy breeders to expand the scope of genetic evaluation of dairy animals, enabling them to realise accurate selection and better genetic improvement. Dr J.P.S. Gill, Vice Chancellor of the University congratulated Dr Neeraj Kashyap, the innovator of the technology for the achievement under technical guidance of Dr Y.P.S. Malik and Dr Inderjeet Singh. Further, he added that this ground-breaking technology has the potential to revolutionize the dairy industry by ensuring accurate and tamper-proof milk-yield tracking of the animals, thereby, enhancing transparency and trust in the supply chain.



Application Ref no. 202311022189; Patent applied on: 27/03/2023; Patent Granted on: 09 August 2024.

UAS, Bengaluru

Gluten free roti mix and its preparation process thereof, Patent no. 549913 and Date of grant: 10 September 2024.

AWARDS and RECOGNITION

Dr YSRHU, Venkataramannagudem

- Dr C. Venkata Ramana, Principal Scientist (Horticulture), received a meritorious award on the 78th Independence Day Celebrations in Guntur for significant achievements in chilli research at HRS, Lam, on 15 August 2024.

Dr C.V. Ramana, Principal Scientist, HRS, Lam receiving award from Nara Lokesh, the Minister of Information Technology, Electronics and Communications and the Human Resources Development Departments, Government of Andhra Pradesh



- Dr M Ravindra Babu, Senior Scientist (Hort.) and Head, HRS, Darsi received Seed Scientist Award from Seedsmen Association, Hyderabad for the outstanding contributions made to seed Industry and Farming community. The award was given by Shri Thummala Nageswara Rao, Minister for Agriculture, Horticulture and Sericulture, Government of Telangana during Annual General Body Meeting of SMA at Hyderabad on 26 September 2024.

Dr M. Ravindra Babu, Senior Scientist (Hort.) and Head, HRS, Darsi receiving Seed Scientist Award from Seedsmen Association Hyderabad



GADVASU, Ludhiana**GADVASU Clinches 2nd Rank amongst Veterinary Universities in NIRF 2024 Rankings**

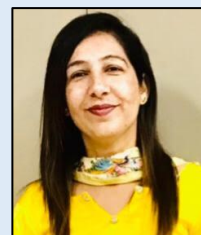
Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana achieved a remarkable feat by securing the 2nd position amongst veterinary universities in India in the NIRF Ranking 2024. This outstanding accomplishment reflects the University's unwavering commitment to excellence in veterinary and animal sciences domain. The University excelled in its primary field and also made significant strides in the broader agricultural category, ranking 24th amongst agricultural institutions.

**Krishi Vigyan Kendra, Booh (Tarn Taran) gets Best KVK of Punjab Award**

Krishi Vigyan Kendra (KVK), Booh (Tarn Taran) of the University was honoured with the Best KVK of Punjab Award for 2024 amongst 22 KVKs in the state during the Annual Zonal Workshop of KVK's organized by ATARI Zone-1. Dr Sanjay Kumar, Chairman Agricultural Scientists Recruitment Board (ASRB), Dr U.S. Gautam, Deputy Director General (Agricultural Extension), Dr Jatinder Paul Singh Gill, Vice Chancellor, GADVASU, and Dr Parvender Sheoran, Director ATARI Zone-1 presented the award to Dr Prabjeet Singh, Deputy Director (Training) of KVK, Booh.

**KVK Scientist earns International Fellowship**

Dr Piverjeet Kaur Dhillon, Assistant Professor at KVK, Booh (Tarn Taran) of Guru Angad Dev Veterinary and Animal Sciences University earns an International Visiting Researcher Fellowship to join the prestigious International Centre of Excellence in Seafood Science and Innovation (ICE-SSI), Faculty of Agro-Industry, Prince of Songkla University, Hat Yai, Thailand under the supervision of an internationally renowned food Scientist Prof. Soottawat Benjakul. During her onemonth fellowship starting from 20 September 2024 she will be working on nutraceuticals, functional foods and value addition of food products besides learning high-end equipment related to food processing and value addition.



Dr Piverjeet Kaur Dhillon

GADVASU Scientist selected for Residency Programme at University of Minnesota, USA

Dr Sidhartha Deshmukh, Principal Scientist, Department of Veterinary Pathology, Guru Angad Dev Veterinary and Animal Sciences University, was selected for the Clinical Training Programme (Residency Programme) in Veterinary Anatomic Pathology at University of Minnesota, USA.



Dr Sidhartha Deshmukh

University Scientist Presents Lead Paper in the International Conference

Dr Prabjeet Singh, Deputy Director (Training) of Krishi Vigyan Kendra, Booh (Tarn Taran) of Guru Angad Dev Veterinary and Animal Sciences University delivered a Lead Paper at the 2nd Aquatic Science Conference held under the theme Securing Sustainable Aqua-Food Systems and Resources at the

Dr Prabjeet Singh at 2nd Aquatic Science Conference

Aquatic Science and Innovative Management Division of Faculty of Natural Resources at Prince of Songkla University in Hat Yai, Thailand.

Dr Adarsh Mishra, Assistant Professor received Two Oral Presentation Awards in two different scientific sessions for the research works on diagnostic development during the 29th Annual Convention and National Conference of Indian Society for Veterinary Immunology and Biotechnology (ISVIB) held at Tamil Nadu Veterinary and Animal Sciences University (TANUVAS), Chennai from 26-29 September 2024.



Dr Adarsh Mishra receiving the Award

SKUAST-J, Jammu

- Prof. Rakesh Sharma, Principal Investigator of the Farmer FIRST project, received the prestigious award from the Deputy Director General of ICAR during the 96th ICAR Foundation and Technology Day held on 15-16 July 2024 in Delhi.
- Directorate of Extension Education, SKUAST-Jammu received revolving trophy for being the best Directorate of ATARI Zone-I during Annual Work Shop from 18-20 September 2024 held at Ludhiana, Punjab.



TANUVAS, Tamil Nadu

- Thulasimathi Murugesan, student of Veterinary College and Research Institute, Namakkal of TANUVAS has made India Proud as First Indian Women Shuttle to enter finals of Badminton Paralympics Games, Paris 2024 and won the Silver Medal.

M. Thulasimathi – Student of TANUVAS – being facilitated by Prime Minister Shri Narendra Modi



- TANUVAS ranked 17th among all the Agricultural Universities of the country in the NIRF-ranking list 2023. The second conclave of Higher Education Institutions on NIRF-2023 was held at Raj Bhavan, Chennai on 13 September 2024. During the event, H'E Governor-Chancellor, Shri R. N. Ravi felicitated TANUVAS for securing 17th rank in Agriculture and Allied Sector of the country.

Second conclave of Higher Education Institutions on NIRF-2023 - Raj Bhavan, Chennai



- Professors Dr P. Tensingh Gnanaraj, Dr P. Vasan, Dr M. Selvaraju, Dr A. Elango and Dr R. Rajendran of TANUVAS received the Tamil Nadu Scientists Award (TANSA) for years 2018, 2019, 2020 and 2021, respectively, from Dr K. Ponmudi, Minister for Higher Education, Government of Tamil Nadu on 23 September 2024.



TANUVAS faculty members receiving TANSA Award – 23

TNAU, Coimbatore

Excellence in Research and Extension Award

Dr M. Karthikeyan and Dr I. Johnson, Associate Professors, Department of Plant Pathology, were awarded with Excellence in Research and Extension Award, in the 9th ASIAN PGPR India Chapter's National conference on The Beneficial Microbes as Integrated Approach for Sustainable Agriculture: Opportunities and Challenges jointly organized by Department of Botany, Bharathiar University, Coimbatore and the Asian PGPR Society for Sustainable Agriculture, Alabama, USA during 29-30 July 2024.



Dr M. Karthikeyan and Dr I. Johnson receiving the Award

Tamil Nadu Scientists Award

The Tamil Nadu State Council for Science and Technology (TNSCST) organized the Tamil Nadu Scientists Award (TANSA) Ceremony on Monday, 23 October 2024 at Anna University, Chennai. The Awards were given in different categories based on the contribution in research and outreach activities by the individual scientists. The Awards for the year 2018, 2019, 2020 and 2021 were given by the Minister for Higher Education, Shri K. Ponmudy, in the presence of Th. Pradeep Yadav, Additional Chief Secretary, Higher Education, Th. T. Abraham, Commissioner, Directorate of Technical Education, Dr J. Prakash, Registrar, Anna University and Dr S. Vincent, Member Secretary, TNSCST, Chennai. Four scientists from Tamil Nadu Agricultural University received Awards in the category of Agricultural Sciences. Dr P. Jeyakumar, Director (Planning and Monitoring) received the Award for the year 2018 based on his contribution in the area of Physiological Approaches in Crop Management. Dr U. Sivakumar, Professor and Head (Agricultural Microbiology) received the Award for the year 2019 based on his work in the area of fermentation, biocatalysts, proteomics and protein engineering while Dr G. Karthikeyan, Professor (Plant Pathology) received the Award for the year 2020 in the area of Plant Virology and Biological control. Dr K. T. Parthiban, Professor (Forestry) received the Award for the year 2021 for his contribution in Tree improvement, Industrial Agroforestry and the Project on



Vice Chancellor, TNAU with Awardee Scientists

Trees Outside Forests in India. The Vice Chancellor, Dr V. Geethalakshmi congratulated the scientists for their achievements, in the presence of Dr R. Thamizh Vendan, Registrar and other University Officers. The Vice Chancellor sensitized the scientists to focus more on inter-disciplinary research that benefits farming community.

Fruit Science Visionary Award to TNAU Faculty

Dr C. Ravindran, Associate Professor and Head, Horticultural Research Station, Kodaikanal received the Fruit Science Visionary Award of Indian Pomological Society from Dr S. K. Singh, Deputy Director General (Horticulture), ICAR, New Delhi in the International Conference on Precision Horticulture (ICPH-2024) held at HC & RI, TNAU, Periyakulam during 22-24 August 2024. The award was bestowed for his contribution in fruit science for the past 20 years and initiation of Indian Pomological Society at Horticultural College and Research Institute, Periyakulam.



Fruit Science Visionary Award to TNAU Faculty

UAS, Bengaluru

- Cdt Sanjana Patel from 3rd B.Sc. Hons. Agri, CoA, GKVK and CSM Himaja P from Final B.Tech., CoAE, GKVK represented Karnataka and Goa Directorate in the All India Thal Sainik Camp held at New Delhi from 2-13 September 2024.
- Cdt Sanjana Patel secured Gold Medal in the H&H event and CSM Himaja P secured Bronze Medal in the JDFS event.



LIMELIGHTS

CCSHAU, Hisar

College of Agriculture, Bawal of CCSHAU received **FSSAI certification** for various food products under the license of Food Safety and Standards Authority of India (FSSAI). The value-added products including jams, jelly, beverages, pickles, candies etc., of various fruits are packed and sold by the college under ELP.



FSSAI certificate issued by Department of Food and Drug Administration, Government of Haryana

Students of College of Agriculture, Bawal of CCSHAU, Hisar visited Can Tho University, Vietnam.



Students from CoA, Bawal at Can Tho University, Vietnam

Dr RPCAU, Pusa

- Shri Ramnath Thakur, Minister of State for Agriculture and Farmers' Welfare, Government of India, visited University Campus on 4-5 July 2024. Shri Thakur in his address emphasized the urgent need to develop technologies that prioritize the interests of small and marginal farmers. He pointed out that the extensive use of chemical fertilizers in recent years has significantly deteriorated soil health. He stressed the importance of conducting widespread soil testing and developing technologies that can achieve higher yields without relying on chemical fertilizers. He also congratulated the university for securing the 7th rank in IIRF among central universities in the country. He also assured full support in elevating Pusa's illustrious legacy to new heights. The event was attended by Vice Chancellor, Deans, Directors, officials, faculty members, staffs and students of the university.
- H'E Governor of Bihar, Mr Rajendra Arlekar, participated as a chief guest in the Mushroom Production and Processing Training Program at Dr Rajendra Prasad Central Agricultural University, Pusa, on 8 August 2024. On this occasion, the Governor praised the university's research, education, and extension activities in various agricultural fields. He stated that Dr Rajendra Prasad Central Agricultural University, Pusa, is not only capable of benefiting farmers in Bihar but also across the entire country through agricultural knowledge and science. While presiding over the event, the university's Vice Chancellor, Dr P. S. Pandey, elaborated on the benefits of mushroom production and processing. The programme concluded with Dr A. K. Singh expressing gratitude to the Hon'ble Governor and all distinguished guests present at the event.
- Dr Prem Kumar, Minister of Cooperation, Environment, Forest, and Climate Change, Government of Bihar inaugurated 'वन महोत्सव 2024' on 30 August 2024. Chief guest along with the other dignitaries conducted a tree planting activity at Dr Rajendra Prasad Central Agricultural University, Pusa, under the One Tree in the Name of Mother campaign. On this occasion, the Vice



Chancellor, Dr P. S. Pandey, along with the Registrar, Dr Mrityunjay Kumar, directors, officials, staff, and students were present. Dr Prem Kumar reviewed various schemes being implemented in the university related to cooperation, environment, forest, and climate change.

GADVASU, Ludhiana

Nestle Scientists Visit GADVASU to Explore Sustainable Collaboration

A delegation of Nestle scientists, including Mr Pascal Chapot, Nestle Global Head of Agriculture, Mr Henry Florence, Head of Sustainable Nutrition and Mr Manuel Scharer, Agronomist from the Nestle Institute of Agricultural Sciences in Switzerland, Mr Naveen Puttalingaiah from Nestle R&D Singapore, Mr Sumeet Dhiman and his team from Nestle Moga visited Guru Angad Dev Veterinary and Animal Sciences University to explore potential collaborations to achieve goal of net-zero emissions by 2050. During the deliberations Dr JPS Gill, Vice Chancellor underscored the University's unwavering dedication to environmental stewardship and the transformative potential of a partnership with Nestle. He expressed that combining expertise and resources of GADVASU and Nestle can set a new standard for environmentally responsible dairy farming and contribute to global climate change efforts.



Training of Veterinary Officers of Madhya Pradesh

Guru Angad Dev Veterinary and Animal Sciences University trained 10 Veterinary Officers of the Animal Husbandry Department of Madhya Pradesh under the training programme entitled Recent Trends in Animal Disease Diagnosis Using Imaging and Laboratory Techniques, jointly organized by departments of Animal Disease Research Centre (ADRC) and Veterinary Surgery and Radiology along with the Directorate of Extension Education.



MHU, Karnal

Digi-Locker: The National Academic Depository (NAD) is a 24 × 7 online repository of all academic awards such as certificates, diplomas, degrees, mark sheets, etc., lodged by Academic Institutions in a digital format. Digi Locker NAD allows easy access to and retrieval of academic awards, as well as validates and guarantees their authenticity and safe storage. MHU, Karnal was registered as a service provider, and mark sheets (164) of UG for the session 2023-24 were uploaded on Digi-locker portal.

SKUAST-J, Jammu

Vanmahotsava

The festival of tree planting was celebrated by the Division of Silviculture and Agroforestry, Faculty of Horticulture and Forestry, Sher-e-Kashmir University of Agricultural Sciences and Technology of

Jammu (SKUAST-Jammu) in collaboration with Department of Forest Ecology and Environment JKUT at Main Campus, Chatha on 16 July 2024. The plantation drive was initiated by Dr B.N Tripathi, Vice Chancellor, SKUAST-Jammu, the Chief Guest of the occasion, by planting a Sapling of Red chandan. Shri M.K. Kumar (IFS), CCF, East Circle, Jammu was the Guest of Honour planted Rudraksh sapling on the occasion.



Parthenium week

All KVKs, working under the aegis of SKUAST-J and able guidance of Dr B.N. Tripathi, Vice Chancellor SKUAST-Jammu and Dr Amrish Vaid, Director Extension, organized multiple awareness programmes on *Parthenium* weed and its management at different locations of their respective KVKs to observe *Parthenium* week from 16-22 August every year to create awareness about the harmful effects of congress grass.



Glimpses of Parthenium Week

Industry-Academia Meet

The University hosted an Industry-Academia meet as part of the World Bank-ICAR funded National Agricultural Higher Education Project-Institution Development Plan (NAHEP-IDP) on 10 July 2024, in which representatives of more than thirty National and International companies participated. This event aimed to foster synergy between industrial training and academic learning, promoting technological advancements and innovations within the agricultural sector. Shri Shailendra Kumar, IAS, Principal Secretary of the Agriculture Production Department, Government of Jammu and Kashmir, was the Chief Guest.

Brainstorming Meet on NEP 2020

SKUAST-Jammu hosted a Brainstorming Meet on National Education Policy 2020 and Agriculture Education on 29 August 2024, in which Deputy Director General (DDG) (Education), Indian Council of Agricultural Research (ICAR), Vice Chancellors of Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), Ludhiana, Chaudhary Charan Singh Haryana Agricultural University (CCSHAU) Hisar, Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya (CSKHPKV),

Palampur, Secretary National Academy of Agricultural Sciences (NAAS), New Delhi, Director/ Deans at SKUAST- Jammu and other North Indian agricultural universities deliberated on the implementation of NEP 2020 in the agricultural education. Dr R. C. Agrawal, DDG Education, ICAR, New Delhi, was the Chief Guest, while Dr W. S. Lakra, Secretary, NAAS, was the Guest of Honour. Dr Agrawal expressed his happiness for receiving suggestions from agricultural universities across the country on the 6th Deans' Committee draft report for implementation of NEP-2020 at the undergraduate level. Dr B. N. Tripathi, Vice Chancellor, SKUAST- Jammu, stated that NEP-2020 will transform education at all levels, thus making students more skilled, responsible, and employable. Dr W. S. Lakra, Secretary, NAAS, presented his suggestions for the implementation of NEP-2020.

Incubation and Start-Up Activities

Agri-Business Incubation Centre, SKUAST-J in collaboration with Krishi Vigyan Kendra (KVK), Reasi, Jammu and Samba, respectively, organized Sensitization programs on agri-entrepreneurship development through ABI, SKUAST-J at KVK, Reasi on 5 August 2024, KVK, Jammu on 13 August 2024 and KVK, Samba on 4 September 2024 under the patronage of Prof. B.N. Tripathi, Vice Chancellor, SKUAST-Jammu, which was attended by a number of progressive farmers, innovative youth, students and local artisans of nearby villages of the respective areas. Prof. Jyoti Kachroo, PI/CEO, ABI, SKUAST-J enlightened the audience about the scope of agri-entrepreneurship, and the opportunities being provided by ABI, SKUAST-J related to training and development of innovative agri-start-ups from J&K and Ladakh, UT through uniquely designed agri-entrepreneurship training and funding programmes. The same was widely featured in various print media news reports.

Two start-ups of Agri-Business Incubation Centre, SKUAST-Jammu namely Mr Ahmer Bashir Shah, founder of BB and GG LLP and Ms Aniza Mushtaq, founder of Jammu Paper Machine Pvt. Ltd, displayed their innovative products through stalls set up during the launch of 500 Kisan Khidmat Ghars (KKG's) by H'E LG of J&K U.T, Shri Manoj Sinha during Kisan Unnati Sammelan at SKUAST-Kashmir on 4 August 2024.



Glances of Incubation and Start-Up Activities

TANUVAS, Tamil Nadu

- The Chief Minister of Tamil Nadu, Shri M. K. Stalin inaugurated the infrastructure and buildings to the tune of ₹33.11 crore at Alambadi Cattle Research Station, Dharmapuri; Veterinary College and Research Institute, Tirunelveli, Orathanadu and Theni; Vaccine Research Centre-Viral Vaccines, Poultry Research Station and University Innovation and Instrumentation Centre, Madhavaram Milk Colony; College of Food and Dairy Technology, Koduveli on 20 August 2024.



New buildings of TANUVAS – Inauguration by the Chief Minister of Tamil Nadu

- VIF @ TANUVAS organized a one-day event on New Business Development and Opportunities, aimed at bridging the gaps between Industry, Veterinary Farms and Startups on 19 August 2024 at Madras Veterinary College, Chennai.

TNAU, Coimbatore

Agri-Tech Innovation Takes Centre Stage 9th AGSC

The 9th Agricultural Graduate Students Conference (AGSC) organized during 12-13 August 2024 at Tamil Nadu Agricultural University (TNAU), showcased a blend of academic excellence and agricultural innovation. The two-day event, themed Commercializing Agro Technology: Invest, Innovate, Incubate, served as a platform for exchanging advanced ideas in agriculture. Dr D. Suresh Kumar, Dean (SPGS) emphasized the need for a strong collaboration between academia and industry to drive agricultural progress. Dr N. Senthil, Director (CPMB&B) highlighted the role of conference in fostering interdisciplinary collaboration, reflecting the increasing recognition of agriculture as a diverse field that requires a comprehensive approach to problem-solving and innovation. Dr S. Bhaskar, Advisor (NRM-CC) at the Ministry of Agriculture and Farmers Welfare, delivered a keynote address focusing on current agricultural challenges and opportunities. He discussed the impact of climate change, soil-crop interactions, and the importance of the Clean Plant Program, which promotes sustainable agricultural practices within a circular economy framework. The Vice Chancellor, Dr V. Geethalakshmi, released the 9th AGSC Abstract Compendium. The Vice Chancellor also highlighted TNAU's leadership in agricultural innovation, while discussing collaborative projects like the Drone Didi Yojana—an initiative using drones for agricultural applications and carbon credit trading schemes, and demonstrating the university's commitment to integrate technology with sustainable practices. The conference attracted 1,254 participants from various universities and research institutions worldwide, enriching the discussions with diverse perspectives. The event featured 427 poster presentations and 66 oral presentations, covering a wide range of agricultural topics, from crop genetics to sustainable farming practices. In the valedictory function, the chairman of respective technical sessions highlighted the major outcomes of the deliberations. Awards were given for best publications in the presence of University officers and dignitaries. The AGSC underscores the dynamic nature of the agricultural sector and its potential to address global challenges through the commercialization of agro-technology.



9th Agricultural Graduate Students Conference

TNAU conducted Seed Balls Making - A World Record Event

Agricultural Engineering College and Research Institute (AEC&RI), TNAU, Coimbatore hosted Mega Seed Ball Preparation Event on 28 September 2024 (Saturday). Around 1,000 students and faculty of TNAU participated in this mega event and prepared around 15,000 plus seed balls as a part of two crore Seed Ball Programme – a world record event flagged off by Vasavi Clubs International. Seeds like kassod tree, custard apple, silk cotton, Indian siris, neem, Pacific rosewood and rain tree were selected for preparing seed balls with red soil and vermicompost in 2:1 ratio. Dr A. Raviraj in his welcome address, highlighted the contribution of Tamil Nadu Agricultural University in several environment



Seed Balls making-a World Record Event

rejuvenation activities. Prof. V. Geethalakshmi, Vice Chancellor of Tamil Nadu Agricultural University, presided the Seed Ball Making Mega Event and pointed out that this massive seed ball preparation event – Roll – Throw - Wait - Grow programme will bring awareness of conservation of environment and how it reverses climate change. Dr V. Geethalakshmi, Vice Chancellor distributed the prizes for the winners in seed ball making contest. The scientists and students of Tamil Nadu Agricultural University enthusiastically participated in making seed balls. Vn. Diamond* KCGF R. Ravi Chandran, International President and Vn. Diamond* KCGF T Kannan, Intl Senior Vice president, Vasavi Clubs International graced the occasion and felicitated the gathering. This mega event was jointly organized by TNAU's Seed Centre, Eco Club, MasonAGE Club, Food Club, Rotaract Club, NSS & Vasavi Club 5 KCGF International, Coimbatore.

UAS, Bengaluru

- **ASEAN- Indian fellowship programme:** University of Agricultural Sciences, Bengaluru is one of the seven Agricultural Universities selected in the country for *prestigious ASEAN- Indian fellowship programme for pursuing Master's programme*, an initiative of the Government of India and the Association of Southeast Asian Nations (ASEAN).
- ICAR-Krishi Vigyan Kendra, Kandali, Hassan in collaboration with the Directorate of Extension, Staff Training Institute, University of Agricultural Sciences, Bengaluru and Department of Agriculture, Hassan organized the National Institute of Agricultural Extension Management (MANAGE), Hyderabad sponsored Programme, viz., 15-day certificate course on Integrated Nutrient Management (CCINM) for CEO's/ officer's bearers/secretaries of Primary Agricultural Cooperative Societies from 22 August 2024 to 05 September 2024 at KVK, Hassan.

Ek Ped Maa Ke Naam

The University of Agricultural Sciences, Bengaluru, under the leadership of Vice Chancellor Dr S. V. Suresha, organized a plantation drive at GKVK as part of the Ek Ped Maa Ke Naam, a global campaign launched on the occasion of World Environment Day on 21 August 2024.



FUTURE PROGRAMMES

GADVASU, Ludhiana

- Surveillance of Zoonoses, Food-borne pathogens and contaminants, and Antimicrobial Resistance at Human-Animal-Environment interface.
- Feeding of paddy straw to lower the cost of feeding with NPN source will be done.
- Improvement in the productivity of cattle, buffaloes, layers, broilers and quails.
- Conservation and improvement of Sahiwal cattle and Nili Ravi buffaloes.
- Development of new strains of poultry through introgression and selection suited for low input conditions.

PJTSAU, Hyderabad

- Soil Health Management for enhancing organic carbon through promotion of diversified cropping systems, crop residue management, green manure crops, use of bio-fertilizers including site specific nutrient and use of nanomaterial for controlled-release of nutrients in major crops to reduce fertilizer use and GHG emissions in major crops.
- Establishment of Advance Center of Excellence on Organic and Precession Farming Models Hydroponics, Aquaponics and Aeroponics using artificial intelligence (AI), internet of things (IoT), remote sensing - geographical information systems (RS-GIS) and sensors.
- Development of Standard Operating Protocols (SOPs) for spraying and diagnosis using drones including skill training for rural youth.
- Establishment of Plant phenomics / Speed Breeding facilities to hasten-up breeding of crop Varieties / Hybrids.
- Establishment of Nano Technology Lab for initiating research on use of nanomaterial's for controlled-release of nutrients, pesticides and fertilizers in crops as well as nano sensors for agricultural practices, food quality and safety.
- It is proposed to intake 1233 UG, 270 PG and Ph.D. and 924 diploma students during the year 2023-24.
- It is proposed to undertake 400 Training Programmes, 315 Technology Assessment and Refinement activities, 1200 Diagnostic Field Visits, 170 Method Demonstrations, 50 *Kisan Melas* in all district headquarters and 100 Farmer Interaction programmes during the year 2023-24.

SKUAST-J, Jammu

- Two Hi-tech polyhouses framed for demonstrations on floriculture and vegetable crops.
- Production and distribution of elite planting materials of rainfed subtropical fruit crops during the year i.e. aonla, kinnow mandarin, eureka lemon, orange, malta, mossambi, kagzi lime, bael, phalsa, jack fruit and custard apple etc.
- Conduct by the experiment trial as per technical programme of rainfed fruit crops.
- Work on emerging zoonoses and to study the epidemiology of important livestock diseases.
- Establishment of SAIC/ Institute of Aqua- Culture at SKUAST-Jammu.
- Cryopreservation, semen handling and artificial insemination.
- Augmentation of fertility and control of calving interval through synchronized induction of oestrus and ovulation.
- Development of cost-effective progestogen implant for estrus induction in dairy animals.
- Institutionalization of Divisions of Plant Biotechnology, Animal Biotechnology, Plant Tissue Culture and Genetic Transformation, Bioinformatics and Computational Biology; and Sections such as Nano-Biotechnology and Microbial and Environmental Biotechnology.

TANUVAS, Tamil Nadu

- National Seminar on Distillers dried grains with solubles (DDGS) in livestock and poultry feeds on 04 October 2024 at Veterinary College and Research Institute, Namakkal.

- International Conference and Clinical conclaves in Veterinary Cardiology and Interventional Medicine along with pre-conference events at Madras Veterinary College, Chennai during 14-16 October 2024.
- National Workshop on Recent advances and application of thoraco-abdominal ultrasonography in farm animal practice for PG scholars, faculty and practicing Veterinarians from 23 October 2024 to 24 October 2024 at Veterinary College and Research Institute, Udumalpet.
- National Workshop on Cloning and expression of recombinant proteins for vaccine and diagnostics development from 12-14 November 2024 at Vaccine Research Centre – Viral Vaccines, CAHS, Chennai.

TNAU, Coimbatore

- Centre for Plant Protection Studies, TNAU, Coimbatore will organize an International Conference on Conference Unleashing the Power of Seed and Crop Health Innovations for Food Secure World during 21-22 November 2024 at TNAU, Coimbatore
- Horticultural College and Research Institute, TNAU, Coimbatore & SoPHoST will organize an International Conference on Futuristic Horticulture (ICFH'24) scheduled during 14 and 15 November 2024 at TNAU, Coimbatore.

UAS, Bengaluru

- The UAS, Bengaluru will be organizing an annual event Krishi Mela from 14-17 November 2024 with a theme Climate smart digital agriculture wherein 17-18 lakh participants are expected to attend
- In 2024, the University of Agricultural Sciences, Bengaluru (UASB), celebrates its 60th anniversary, marking six decades of excellence in agricultural education, research, and extension services. To commemorate this significant milestone, UASB has planned a year-long series of events featuring 60 distinct activities spanning various sectors of the university, including teaching, research, extension, infrastructure, and administration to highlight the university's impactful contributions and its continued commitment to advancing agriculture and empowering stakeholders across the state and beyond.
- Opening of Agricultural Museum at College of Agriculture, Hassan.

NEW VICE CHANCELLORS

Dr YSRHU, Venkataramannagudem

Dr Gopal Kuruba

Dr Gopal Kuruba joined on post of Vice Chancellor, Dr Y.S.R. Horticultural University, Venkataramannagudem, West Godavari District, Andhra Pradesh on 15 August 2024. Dr K. Gopal did B.Sc. (Ag.), M.Sc. (Ag.), Ph.D. in Plant Pathology from UAS, Bengaluru. He also has been on Post-Doctoral Programme for three months at USDA- Parlier, California, USA during 2008. Before joining as Vice Chancellor of Dr YSRHU, Dr Gopal worked as Registrar, Controller of Examinations, Estate Officer, Comptroller, Associate Dean, Zonal Research Head



(Rayalaseema Zone), HOD, Principal Scientist, Senior Scientist since 1993–2024. He has experience of 35 years in research (24 years), education (5 years) and administration (6 Years). He carried out many externally funded projects viz., DBT, DST, NATP (CGP), RKVY, APCOST, ICAR CHES fund while working on sweet orange, acid lime and other crops. He developed many Horticultural Technologies in sweet orange, acid lime, turmeric, onion, knol khol, coriander, capsicum, etc., including varieties viz. Balaji acid lime, Vakula acid lime, Sweta til, KRG–2 and KRG–3. Dr Gopal established Molecular diagnosis laboratory for indexing of sweet orange scion mother trees for supply of virus free planting material to the orchardists in the country. He also developed protection technologies in sweet orange and acid lime. He produced and supplied cashew grafts, sweet orange and seedlings of Balaji acid lime, which is cancer resistant with high yielding ability. Dr Gopal guided six Ph. D. and twenty-seven PG students in Agriculture and Horticultural Science subjects. He published 127 national research papers, 16 international research papers, 19 popular articles, 24 leaflets/ folders, presented 124 papers in conferences, delivered 26 radio talks, 66 TV programmes.

Dr Gopal received several prestigious awards such as Dr B. Vasantharaj David Award, Paramount Achievement Award 2018, Shri V.P. Gokhale Prize, Dr Shyam Singh Best Citrus Scientist Award, Prof. H.C. Dube Outstanding Young Scientist Award, Sardar Patel Award, Talented Scientist Award, Distinguished Faculty Award, A.V. Krishnaiah memorial award, Sri Veerapaneni Narasimham Memorial Gold Medal, and Out-standing Scientist Award.

Dr Gopal also served as president of Indian Society of Plant Pathology, Ludhiana (2015-17). Besides, he is also fellow of several professional societies, viz., Indian Society of Mycology and Plant Pathology, Udaipur; Indian Society of Plant Pathology, Ludhiana; and Society of Plant Protection Sciences, New Delhi. He is a member in Certification of Nursery, Department of Horticulture, Government of Andhra Pradesh, and also served as a member in developing of Nursery Act, Government of Andhra Pradesh.

GADVASU, Ludhiana

Dr Jatinder Paul Singh Gill

Dr Jatinder Paul Singh Gill joined as the Vice Chancellor of Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana on 17 September 2024. Dr Gill is a distinguished academician and eminent researcher with over 34 years of exceptional experience in veterinary sciences research, academics, and administration. His extensive career encompasses 16 years of administrative experience, which includes 9 years in leadership roles as Director of Research and Coordinator of Research, and many other additional administrative responsibilities. He has also served as Director, School of Public Health and Zoonoses for 4 years and Head of Department for 2 years. Dr Gill also served as an adjunct professor at the Western College of Veterinary Medicine, University of Saskatchewan, Canada. Dr Gill's expertise and guidance have been instrumental in shaping the research initiatives. He successfully secured over ₹ 150 crore in funding for the University from 140 national and international research projects. His leadership has led to collaborations with 48 national and 12 international universities and institutes, encompassing countries such as Canada, USA, Australia, UK, Germany, Thailand, Brazil, etc. Dr Gill has managed and obtained funding for 40 national and international research projects worth ₹ 50 crore.



Nanaji Deshmukh Veterinary Science University, Jabalpur**Dr Mandeep Sharma**

Dr Mandeep Sharma joined as the Vice Chancellor of Nanaji Deshmukh Veterinary Science University, Jabalpur on 16 August 2024. Earlier he served as a Dean of Dr G. C. Negi College of Veterinary and Animal Sciences of CSK Himachal Pradesh Agricultural University, Palampur.



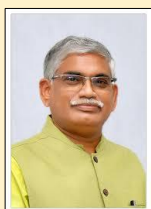
The IAUA sincerely thanks the following outgoing (during July-September, 2024) Vice Chancellors for their kind cooperation and support to the Association



Dr A. K. Singh
Director & Vice Chancellor
ICAR-Indian Agricultural
Research Institute, New Delhi



Dr S. P. Tiwari
Vice Chancellor
Nanaji Deshmukh Veterinary
Science University, Jabalpur



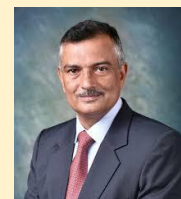
Dr Tolety Janakiram
Vice Chancellor
Dr Y.S.R. Horticultural
University, Venkataramannagudem



Dr Vinod Kumar Verma
Vice Chancellor
Lala Lajpat Rai University of
Veterinary & Animal Sciences, Hisar



Dr Satish K. Garg
Vice Chancellor
Rajasthan University of
Veterinary and Animal Sciences, Bikaner



Dr Inderjeet Singh
Vice Chancellor
Guru Angad Dev Veterinary and
Animal Sciences University, Ludhiana