



IAUA NEWS

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12th Brainstorming Session

In view of increasing challenges and global competition faced by the agriculture sector, it is essential to focus on developing much needed skilled workforce. This calls for strengthening the Education and Research Infra-structure and sharing of National resources through collaboration between the institutions through collaborative research and sandwich academic programmes.

In view of above the 12th Brainstorming Session of IAUA was organized on “*Redefining Agricultural Education to Leadership, Entrepreneurship, Employment and Discovery (LEED)*” at Sher-e-Kashmir University of Agricultural Sciences and Technology-Kashmir, Srinagar on 24-25 August 2023. The Brainstorming Session brought together experts, to discuss innovative approaches to curriculum design, teaching methodologies, and student assessment that can produce skilled and employable graduates in agricultural sciences. The Brainstorming Session featured technical sessions, each focusing on a critical sub-theme related to agricultural education and research.

Attendees had the opportunity to learn about the future of agricultural education in alignment with the NEP-2020, bridging the skill divide in agriculture and related sectors, fostering entrepreneurship through incubation, innovation, and start-ups in agriculture universities, and maximizing the potential of Agri-4 technologies (AI, ML, IoT and Automation) for modernizing agriculture farms. This Brainstorming Session also provided an excellent opportunity for attendees to network, share ideas and best practices, and gain valuable insights into the future of agricultural education.



Shri Manoj Sinha, Hon'ble Lt. Governor, J&K and dignitaries releasing a publication during inaugural session of 12th Brainstorming Session of IAUA held at SKUAST-K, Srinagar

NEW TECHNOLOGIES

A. CROP and HORTICULTURAL SCIENCES

The Agricultural Universities made earnest efforts to develop new technologies in Crop and Horticultural Sciences which included varieties/hybrids; machines and equipment; products and processing; and package of practices as given below:

VARIETIES/HYBRIDS

Anand Agricultural University (AAU), Anand

Varieties (8) developed by AAU, Anand, were presented in the 55th State Seed Subcommittee of Gujarat held at Gandhinagar on 7 August 2023, and were released for Gujarat and recommended for notification. The varieties were as follows:

Gujarat Fodder Maize 1 (GFM 1: Anand Tall)

- Green fodder yield 446.81 q/ha. Dry matter yield 81.13 q/ha.
- Green fodder per day productivity (7.81 q/ha /day) and dry matter per day productivity (1.36 q/ha /day).
- The variety has dark green foliage, thin stem, early in silking.
- Tall plant with more leaves per plant, higher dry matter, and neutral detergent fibre content, lower acid detergent lignin content.



GFM 1: Anand Tall

Gujarat Aerobic Rice 201 (GAR 201: Anand Akshat)

- Grain yield 3,988 kg/ha, moderately resistant reaction against leaf and neck blast and grain discoloration, moderately

resistant to white-backed plant hopper and leaf folder.

- Early maturing variety possesses medium bold grain, good cooking quality, and is suitable for puffed and flattened rice.
- It contains 1.08 ppm β -carotene and 8.06 % protein.



GAR 201: Anand Akshat

Gujarat Tur 109 (GT 109: Sweta)

- Grain yield 1,918 kg /ha, medium maturity.
- Semi-erect in nature, resistant against wilt and SMD under natural field conditions.
- Higher amount of protein (23.35%), nutrients like Fe (32.54 mg/kg) and Zn (22.38 mg/kg).



GT 109: Sweta

Gujarat Vegetable Chilli 113 (GVC 113: Anand Jwala)

- Green fruit yield 165 q/ha, fruits light green with high pungency at the unripe stage.
- Strong sinuation of the pericarp, rough texture with medium glossiness.
- Lower chili leaf curl disease incidence and fruit borer infestation.
- Higher ascorbic acid (11.90 mg/100 g) and capsaicin (0.219 %).



GVC 113: Anand Jwala

Gujarat Banana 1 (GB 1: Anand Vaaman)

- Fruit yield 70.16 t/ha, dwarf plant height having very short pseudostem length (1.53 m).
- The fruits matured very early about 325 days, with a conical shape compact bunch, green peel before ripening and pale-yellow peel and white pulp at ripening.
- Average fruit weight 176 g, pulp to peel ratio 2.68, least Sigatoka leaf spot disease intensity.
- Higher moisture content (82.92 %), total antioxidant activity (5.26 mg/100 g) and flavonoid (9.68 mg/100 g).
- Higher nutrients content– Fe (84.80 mg/kg), Mn (16.73 mg/kg) and Cu (6.38 mg/kg).



GB 1: Anand Vaaman

Gujarat Banana 2 (GB 2: Prasadam)

- Fruit yield 50.13 t/ha, medium plant height with early maturity and conical shape loose bunch, pale green peel before ripening and at the time of ripening pale-yellow peel and cream pulp color.
- Average fruit weight 99.3 g, higher pulp to peel ratio (3.39), higher carotenoid (3.64 mg/100 g), reducing sugar (2.51%), lower crude fiber (1.66%), higher nutrient content– Fe (32.10 mg/kg) and Zn (9.16 mg/kg).



GB 2: Prasadam

Gujarat Okra Hybrid 205 (GOH 205: Anand Kranti)

- Fruit yield 140 q/ha. Fruits dark green color, tender, smooth, medium-long having narrow acute shape of apex, higher mucilage (28.51 g/kg), chlorophyll-a (0.400 mg/g).
- Short plant stature with short internodes, strong serration of leaf blade margin and deep depth of lobbing.
- Less prevalence of yellow vein mosaic virus and enation leaf curl disease, lower jassids, whitefly population and shoot and fruit damage.



GOH 205: Anand Kranti

Gujarat Cucumber 2 (GCU 2: Anand Sheetal)

- Fruit yield 221 q/ha. Medium size fruit with dark green skin, crispy pulp texture having pleasant aroma.
- Less prevalence of CMV, powdery mildew and downy mildew disease.
- Lower leaf miner and fruit fly infestation.
- Higher total carotenoid contents (4.62 mg/100 g), β carotene (3.05 ppm) and total chlorophyll (2.32 mg/g).



GCU 2: Anand Sheetal

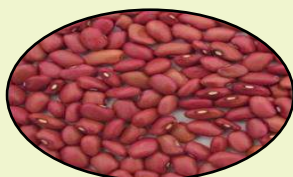
Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST-K), Srinagar

SKUAST-K Released Following Varieties:

Shalimar Rajmash 4

- First Pole type variety for maize based intercropping system.

- Early maturing (84 days); average yield of 13.36 q/ha. Protein: 18%.
- Resilient to water stress.
- Resistant to Bean Common Mosaic Virus (BCMV), Leaf curl virus, and Angular Leaf spot.
- Recommended up to 2200 m amsl.



Shalimar Saffron 1

- Superiority against check for quality traits:
- Crocin: 11.81% Picro-crocin: 28.90% Safranal: 12.46%.
- High Big corm Index, low multiplication index and high flower raising Index.
- Moderately resistant to corm rot, leaf blight, mites and resistant to thrips.
- Fits well to normal, high density and indoor saffron cultivation.



Shalimar Gobhi Sarson 1

- Ease of seed production due to its often-cross pollinated nature.
- Early maturing, high yielding (12.5 q/ha) with superiority of 15.40 % over the check (Shalimar Sarson 1).
- Resistant to Alternaria blight, Powdery mildew and moderately resistant to Aphids.
- Recommended for low to mid altitudes: 1,500-1,800 m amsl.
- Oil content: 39.03% across locations.



Shalimar Rice 6

- Genetically improved version of Mushk Budji, Short grained aromatic heritage Landrace. [incorporated three genes for blast resistance (Pi54+Pi1+Pita)]

- Similar amylose content (16%) and aroma as of Mushk Budji.
- Similar grain yield (45 q/ha) as of chemically managed Mushk Budji.
- Resistant to rice blast against check Mushk Budji (that records ~70% yield loss).



MACHINES and EQUIPMENT

AAU, Anand

Tractor-Drawn Potato Harvester with Integrated Cart Elevator

A tractor-drawn (50 to 60 hp) potato harvester with a cart elevator was developed by Anand Agricultural University.

It performs efficient digging and conveying of potato in trolley (operated by another tractor) running along with the machine. The machine has about 0.21 ha/h field capacity and saves about 86 % of the time and 30 % cost required for digging and collecting the potatoes as compared with a tractor-drawn potato digger.



Tractor-Drawn Potato Harvester with Integrated Cart Elevator

Mini Tractor-Drawn Two-Row Automatic Potato Planter Cum Fertilizer Applicator

A mini tractor-drawn two-row automatic potato planter cum fertilizer applicator was developed by Anand Agricultural University.

It places potato tubers and fertilizer at recommended depth in the soil and saves about 22



Mini Tractor-Drawn Two-Row Automatic Potato Planter Cum Fertilizer Applicator

% cost for the sowing of potatoes as compared to the available mini tractor-drawn two-row semi-automatic potato planter cum fertilizer applicator.

PRODUCTS and PROCESSING

AAU, Anand

Technology for the Development of Partially Dehydrated *Peda* Mix

Technology for the manufacturing of dried *Peda* mix with acceptable quality by vacuum drying method is recommended by Anand Agricultural University, Anand for the dairy industry



Peda Mix

and entrepreneurs involved in the production of *khoa*-based traditional sweetmeats.

The dried *Peda* mix requires to be rehydrated with potable water to obtain *Peda/Burfi*.

The developed *Peda* mix when packaged in HDPE pouches (95 μ) had a shelf life of up to 90 days when stored at $20 \pm 2^\circ\text{C}$.

Technology for Drying of Senna Leaves

Entrepreneurs and processors interested in the continuous production of dried senna leaves are recommended to use the processing technology developed by Anand Agricultural University, Anand.

The continuous microwave heating system exhibits rapid drying as compared to sun, shade, and fluidized bed drying systems.



Dried Senna Leaves

The technology involves continuous microwave drying of senna leaves (1.50 kg/ha) using two magnetrons at a desired pulsating ratio of less than 7 % moisture in 58 min. It results in good quality dried senna leaves with retention of about 85 % of the inherent sennosides content.

Premium Quality Powder with Maximum Retention of Essential Oil Using Cryogenic Grinding of Dill Seed

Entrepreneurs and agro-processing units involved in grinding dill seeds are advised to use the technology of cryogenic grinding developed by AAU, Anand to obtain superior quality dill seed powder with higher retention of essential oil.

Cryogenic grinding of dill seed should be carried out at -60°C temperature, using a sieve size of 0.8 mm and keeping a feed rate of 6 kg/h for better retention of essential oil.

The cryo-ground sample packed in an aluminum laminated zip lock pouch and stored at refrigerated ($7 \pm 1^\circ\text{C}$) condition retained higher essential oil as compared to storage at ambient temperature ($33 \pm 2^\circ\text{C}$).

Drying Technology for Guava and Lime Leaves Powder

The entrepreneurs and the agro-processors interested in the production of guava and lime leaf powder are recommended to use drying technology developed by AAU, Anand.

The guava leaves dried using a greenhouse dryer produces guava leaves powder having a higher content of phenol, and flavonoid and possessing greater antioxidant activity as compared to the tray dryer and fluidized bed dryer at 50° , 60° , and 70°C temperatures.

The lime leaves dried at 50°C temperature in a fluidized bed dryer having a higher content of flavanoid and possessing greater antioxidant activity.

The guava and lime leaves powder packed in aluminum laminated bags can be stored for up to 180 days in ambient conditions.



Guava and Lime Leaves Powder

Technology for Bottle Gourd-Based Carbonated Beverage

Entrepreneurs interested in the production of bottled gourd-based carbonated beverages inclusive of pineapple and lime juices are advised to adopt the processing technology developed by AAU, Anand.

The technology involves the formulation of the beverage at 13.92 % of bottle gourd juice, 3.68 % of pineapple juice, 4.45 % of lime juice, and 77.95 % of 20 °Brix sugar syrup followed by thermal processing at 95°C for no hold and carbonation of the beverage cooled to 4 °C at 120 psi.

The developed beverage when packed in PET bottles can be stored for up to 90 days under ambient (30±2°C) conditions.

Osmotic Drying of Ultrasonic Pretreated Sapota

Entrepreneurs and food processors interested in the production of dehydrated sapota slices are recommended to adopt the technology developed by AAU, Anand.

This technology involves an osmotic process (60 °Brix, 8 h) of sapota slices (5 mm) followed by drying at 65 °C using a tray dryer up to 8.5 % (d.b.) moisture content.

Dried sapota slices packed in an HDPE bag are acceptable for up to 150 days at room temperature.

B. ANIMAL and FISHERIES SCIENCES

Various technologies developed in Animal and Fisheries Sciences by the universities are given here.

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

Vaccine, Drugs & Medicine and Diagnostics

The following vaccines / diagnostics / Products were developed by the faculty members of University:

- Inactivated lumpy skin disease vaccine.
- Live attenuated and inactivated contagious ecthyma (ORF) vaccine for sheep and goats.
- ELISA diagnostic method for detection of LSD antigen in clinical samples and detection of LSD antibody in serum samples of infected and or vaccinated animals.
- Development of colorimetric assay for detection of antibiotic residue using magnetic nanoparticles.
- Production of biodiesel from freshwater microalgae *Tetrademus obliquus*.
- Detection of microplastic in packed meat samples using Raman spectroscopy.

TEACHING

Dr Y. S. R. Horticultural University (Dr YSRHU), Andhra Pradesh

Workshop on Academic Management System (AMS)

Dr YSRHU - College of Horticulture, Venkataramannagudem organized one week sensitization workshop on Academic Management

System (AMS) at University level from 21.09.2023 to 27.09.2023 under



chairmanship of **Academic Management System (AMS) Workshop** Dr T. Janakiram, Vice Chancellor for successful implementation of AMS in Dr YSRHU and its four constituent colleges. Dr A. S. Padmavathamma, Dean of Horticulture, Dr S. Surya Kumari, Dean of PG studies, Dr D. R. Salomi Suneetha, Dean of Student Affairs, and Dr M. Madhavi, Associate Dean, College of Horticulture, and the technical team members from four constituent colleges attended the programme. The master trainer Mr Manichauhan, technical team member of

AMS, ICAR-IASRI, New Delhi imparted training for the technical team of Dr YSRHU.

Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), Ludhiana

GADVASU Introduces New Degree to Educate Professional Skills

University unveiled an innovative and transformative educational initiative, set to reshape the landscape of agricultural education and entrepreneurship. The university introduced the Bachelor of Vocation (B.Voc.) programme in Integrated Farming and Entrepreneurship, a ground breaking curriculum that merges sustainable farming practices with entrepreneurial skills. In a world grappling with the challenges of food production, environmental sustainability, and global development, GADVASU is taking a bold step forward with this visionary programme. This degree programme aims to equip prospective students with the knowledge, skills, and mindset needed to thrive in a dynamic and ever-evolving agricultural sector.



Indian Veterinary Research Institute (IVRI), Izatnagar

- Teaching learning materials developed, student exchange abroad, exposure visit, new courses introduced etc.
- IVRI has conducted a workshop on NARES-Blende Learning Platform (BLP) in collaboration with ICAR-IASRI, New Delhi on 15 September 2023. IVRI will be adopting this online teaching and learning platform in the curriculum delivery.

Kamdhenu University (KU), Gandhinagar

Career Opportunities for Veterinarians in the Defense Sector

The event on Career Opportunities for Veterinarians in the Defense Sector, was held on 19 August 2023 aimed to inspire and guide aspiring veterinarians towards diverse pathways within the defense sector and urban wildlife conservation.



The distinguished speaker for the event was Col. (Dr) Nawaz Sharif, Ex-DIG of Police and Chief Veterinarian & General Manager at PFA Wildlife Hospital and Conservation Center, Bengaluru, Karnataka. Col. (Dr) Nawaz Sharif is a renowned figure in the field of military veterinary services, bringing years of expertise to the discourse. The web talk commenced with a focus on the critical role of veterinarians in defense settings, spanning from the care of military working dogs to service animals. The successful organization of the event was made possible through the guidance of Dr V. B. Kharadi (Principal, CoVS & A.H, Navsari) and Dr Durgga Rani. V. (Entrepreneurship Club, Incharge).

Corporate Opportunities in Livestock Sector

A web talk on Corporate opportunities in livestock sector, was organized on 15-07-2023 in afternoon hours at College of Veterinary Science and A.H, Kamdhenu University, Navsari. The event featured Dr Dinesh Bhosale, General Manager of AB Vista South Asia based in Pune, India, as the distinguished speaker. Dr Dinesh Bhosale renowned for his expertise

and extensive experience in the livestock industry shared his inspiring journey with the participants. During the session, Dr Dinesh Bhosale discussed various aspects of the livestock industry including innovative technologies, emerging market trends, livestock startups and sustainable business models. Drawing from his own experiences he provided practical guidance on how to tap into these opportunities and succeed in the corporate world. The web talk received an overwhelming response from the participant including students, faculty members, and industry professionals. Dr V.B. Khardi, Principal of the College of Veterinary Science and A.H, expressed his heartfelt gratitude to Dr Dinesh Bhosale for delivering a motivational talk that inspired the budding veterinarians.



Career Opportunities for Veterinarians in Biomedical Research

The web talk on Career Opportunities for Veterinarians in Biomedical Research, held on the 05 August 2023 at Kamdhenu University, Navsari, was an enlightening event that inspired vet students to consider the vast array of possibilities within this dynamic field. Dr Vijay Kale, a renowned Principal Scientist based in New Jersey, USA working at Bristol Myers Squibb, delivered a captivating



presentation that underscored the pivotal role of veterinarians in propelling biomedical research forward. In an inspiring talk he shed light on the invaluable contributions made by veterinarians in this field. During his presentation, Dr Vijay Kale underscored the remarkable contributions of veterinarians in various critical areas including drug development and translational research. He highlighted their pivotal role as a vital link, connecting animal models with human applications in the field of biomedical research. Dr Vijay Kale's expertise and insights made the web talk an enlightening experience, and encouraged future veterinarians to make meaningful contributions to the advancement of biomedical research and healthcare.

Professor Jayashankar Telangana State Agricultural University (JTSAU), Rajendranagar

Faculty Board Meetings

14th meeting for Faculty Board of PG Studies Meeting was held on 20 July 2023 and discussed various items pertaining to PG Studies, and proposed for approval in the ensuing Academic Council meeting.

Academic Council Meeting

19th Academic Council meeting was held on 25 July 2023 at University Auditorium, Rajendranagar, Hyderabad and issues related to PG and Ph.D. programmes for the academic year 2022-23 and deputation of faculty for pursuing Ph.D. programme were discussed.



19th Academic Council Meeting

Sri Karan Narendra Agriculture University (SKNAU), Jobner

EVENTS and ACTIVITIES

- Peer Review Team of ICAR, New Delhi visited the College of Agriculture, Kumher and Fatehpur –Shekhawati for the Accreditation on 22-23.09.2023.
- Jobner Rojgar Mela 2023 was successfully organized on 14.09.2023 in the Campus of SKNCOA, Jobner under IDP- NAHEP. In this Mela, 3288 candidates registered online and 700 in offline mode. Out of which 435 candidates were awarded with offer letter by different HRs. In this Mela representative/HR of about 40 companies participated.

TANUVAS, Chennai

- ICAR-National Agricultural Higher Education Programme, Institutional Development Plan of TANUVAS organised a one-day workshop on Entrepreneurship Skills on 05.08.2023 at Madras Veterinary College for the IV Professional year B.V.Sc. & A.H. graduates. A total of 121 Veterinary graduates benefitted through the programme.



Workshop on Entrepreneurship Skills on
05.08.2023 at Madras Veterinary College for UG
Students Under ICAR-NAHEP

AAU, Anand

Training on Agri Supply Chain Management

A 10-day training programme on Agri Supply Chain Management was successfully organized by the World Bank Awarded Center for Agricultural Market Intelligence, NAHEP-CAAST Project at AAU, Anand from 1-12 September 2023.

Vice Chancellor, Dr K. B. Kathiria graced the plenary session as president of the training programme. In his address, he congratulated the trainees for completing the training in Agri Supply Chain Management and guided them in the



Address of (Vice Chancellors, Dr K. B. Kathiria) in the Event

direction of applying the knowledge gained during the training through

which various difficulties associated with the agricultural market system could be avoided and benefits percolated towards the farmers as well. The esteemed chief guest retired Professor Dr R. L. Shiyani, Junagadh Agricultural University, during his keynote address explained how agri supply chain is a holistic approach, the importance of supply chain in agriculture, and factors affecting the agri supply chain. Director of Research, Dr M. K. Jhala appreciated the NAHEP-CAAST project for providing utilitarian options to students as well as faculty to enhance their academic skills. Also, information was given that the losses in agriculture can be reduced with the help of market intelligence, price forecasting in crops, and agri supply chain modeling. Principal & Dean, IABM and PI, NAHEP-CAAST, Dr R. S. Pundir expressed his gratitude for the successful completion of the programme. Registrar of AAU, Dr Gautam Patel, Director of

Extension Education, H. B. Patel, also graced the programme.

Organizing Secretary Dr Snehal Mishra presented a complete report of the training and gave detailed insights about the topics covered in the Agri Supply Chain Management training such as the use of IoT and AI, market analytics, impact of blockchain in the agri supply chain. Eighty-four trainees from different states of the country including Himachal Pradesh, Uttar Pradesh, Maharashtra, Rajasthan, and Bihar completed the training.

Acharya N. G. Ranga Agricultural University (ANGRAU), Guntur

- Three-day training programme on Personality Development Programme in each college was conducted at 9 accredited colleges of ANGRAU in collaboration with Smart series, Bengaluru under IDP during 21 August to 21 September 2023.
- 04.09.2023 to 03.10.2023: One month (four week) internship programme on Robotics and Artificial Intelligence for Agriculture at Indian Institute of Information Technology Design & Manufacturing (IIITDM), Jabalpur was conducted for 20 undergraduate students of ANGRAU under IDP.

Bihar Agricultural University (BAU), Sabour

Trainings

- Fifteen-day (22 August to 05 September 2023) certificate course on Integrated Nutrient Management for Agricultural Input Dealers was organized at Mandan Bharti Agriculture



Interaction with Trainees During Training Programme

College, Agwanpur, Saharsa. Thirty participants selected from Saharsa, Supaul and Khagaria districts participated in this training programme.

- The College of Agricultural Biotechnology, BAU, Sabour, Bhagalpur, commenced a two-day All India Undergraduate Academic Convention in Biotechnology on 25 August 2023. The event, organized under the visionary leadership of Vice Chancellor, Dr D. R. Singh, was aimed to foster collaboration between undergraduate students and experts from various fields of biotechnology. Dr Neeraja Prabhakar, Vice Chancellor of SKLTSHU, Mulugu, Siddipet, Telangana, graced the event as the chief guest. Dr A. K. Shasany, Director of CSIR-NBRI, Lucknow, and Dr Arvind Kumar, Deputy Director General (Research) of ICRISAT, Hyderabad, was the esteemed guests of honour.



Chaudhary Charan Singh Haryana Agricultural University (CCSHAU), Hisar

Induction Training

Three induction trainings of one month duration were conducted from 27 June to 26 July 2023 for the newly appointed teachers/scientists/Extension Personnel of the University. The main objectives of the trainings were to:

- provide information to the participants needed to start performing their duties so that they adapt easily to their new roles;
- integrate new employees into the institution and make them understand the system and procedures followed; and
- address the specific needs and training of teachers related to learning outcome

Professional Development design of course curricula including online course.



Group Photo of Participants in Induction Training

Refresher Course on Computer Applications and Data Analytics

The Academy of Agricultural Research and Education Management, Directorate of Human Resource Management, in collaboration with Computer Section, organized a refresher course on Computer Applications and Data Analytics from 21 June – 11 July 2023 with the specific objectives to:

- understand the concepts and terms related to computer applications;
- develop skills in utilization of specialized application software required for efficient functioning of the faculty; and
- develop competence in the use of computers in data and information process.



Group Photo of Participants in Refresher Course on Computer and Data Analytics

Dr YSRHU, Andhra Pradesh

Bamboo Value Addition and Handicrafts Preparation

A valedictory programme of three months Vocational Skill Training on Bamboo Value Addition and Handicrafts Preparation for Tribal youth, Eluru, was organized on 17 July 2023, by KVK, Venkataramannagudem at State Level

Training Centre on Horticultural Crops, Dr YSRHU, Venkataramannagudem. Dr T. Janakiram, Vice Chancellor participated as Chief Guest and appreciated the skill



Valedictory Programme of Bamboo Value Addition and Handicrafts Preparation Training

learned by the tribal women and efforts put forth by them in preparing 21 varieties of products with bamboo. Dr E Karuna Sree, Director Extension, Dr YSRHU motivated the tribal women to form a Common Interest Group in the name of GIRI SRUJANA to take up as income generating activity.

GADVASU, Ludhiana

Pashu Palan Mela

Pashu Palan Mela was inaugurated on 14 September 2023 by S. Gurmeet Singh Khuddian, Cabinet Minister, Punjab for Agriculture, Animal Husbandry and Food Processing. He visited different stalls and showed keen interest to know about different species of livestock. Dr



Inderjeet Singh, Vice Chancellor said that integrated farming is the key factor to improve the income of the farmers. Theme slogan of this Mela was –Dairy, Bakrian Soor te Machhi; Ikko Farm, Aamdan Achhi. He said that through integration and scientific interventions we can improve the income level of farmers. GADVASU showcased all its research, education and extension programmes at the Pashu Palan mela for the benefit of livestock farmers.

Students Training in the Foreign Institutes

For academic and cultural exchange, a group of five outstanding undergraduate students

from the College of Veterinary Science (Ludhiana), got the opportunity for a training programme at the University of West Indies under

Institutional Development Plan (IDP-NAHEP) project from 20 July 2023. The students were selected on the basis of their exceptional



academic records, dedication to animal care, and enthusiasm for expanding their knowledge in an international setting. Their training programme at the University of West Indies will allow them to delve into various aspects of veterinary medicine, gaining valuable insights and exposure to disease diagnosis and in their treatments. In the second batch 9 B.Tech. Dairy Technology students from College of Dairy Science and Technology got the opportunity for an international training programme on Bioactive Peptide Extraction and Identification at University Sains Malaysia (USM), Malaysia from 13 July 2023 under IDP operational at GADVASU. Dr Gan Chee Yuen, Associate Professor, Analytical Biochemistry Research Centre, USM, Malaysia, hosted the contingent from Varsity to provide practical demonstration on various advanced laboratory techniques in bioactive peptide extraction and identification.

IVRI, Izatnagar

Trainings

- Division of Veterinary Public Health organized a national level DST-



SERB sponsored 10- day High – End Workshop on Recent Advances in Diagnosis of Zoonotic Diseases with Special Emphasis on Rapid Diagnostic Assays, during 3-12 July 2023.

- Division of Biological Products organized a national level DST-SERB sponsored 10-day High – End Workshop on Advanced Virological Techniques for Research in Life-Science during 16-25 August 2023.



DST-SERB Sponsored High-End Workshop on “Advanced Virological Techniques for Research in Life-Science”

- Veterinary Biotechnology Division organized a national level DST-SERB sponsored 10- day High – End Workshop on Basic Techniques for Designing, Synthesis, Characterization and Application of Synthetic Peptides in Biological Sciences during 5-14 September 2023.



DST-SERB Sponsored High-End Workshop on “Basic Techniques for Designing, Synthesis, Characterization and Application of Synthetic Peptides in Biological Sciences”

- Veterinary Biotechnology Division organized a national level DST-SERB sponsored 10 days High – End Workshop on Immunological and Molecular Techniques for Detection and Quantitation of Cancer Biomarkers during 5-14 September 2023.



DST-SERB Sponsored High-End Workshop on “Immunological and Molecular Techniques for Detection and Quantitation of Cancer Biomarkers”

- Livestock Production and Management Section organized a national level DST-SERB sponsored 10-day High-End Workshop on Climate-Smart Livestock Farming for

Sustainable Production during 18-27 September 2023.



DST-SERB Sponsored High-End Workshop on Climate-Smart Livestock Farming for Sustainable Production

Junagadh Agricultural University (JAU), Junagadh

Trainings

International Training of Faculties and Students

Five faculty members of JAU attended international training programmes at various reputable institutes under NAHEP-IDP (ICAR). Three faculty members underwent training at Western Sydney University, Australia, which includes Dr K. C. Patel, DIT, JAU, and Assistant Prof., SWCE (15 days), Dr G. V. Prajapati, Associate Prof., REE (one month), Dr P. A. Pandya, Assistant Prof., SWCE (one month). Additionally, Dr M. S. Dulawat, Assistant Prof., REE, was at Hokkaido University, Japan, for 75 days, Dr P. R. Davara, Assistant Prof., PFE, was at Teagasc Food Research Centre, Ashtown, Dublin, Ireland, for 45 days, and Dr Chandrakant Singh was at the University of Queensland, Australia, for one month.



Undergraduate students (10) from the College of Agricultural Engineering and Technology, completed international training at Western Sydney University, Australia, from 28 July 2023 to 25 September 2023, on aspects such as phenotyping, drones and their applications, IoT, greenhouse and glasshouse management, and vertical farming. Three (3) VII-semester B.Sc. (Hons.) students from CoA, JAU, Mota Bhandariya, Amreli, namely, Ms Aenekatt Georeca, Ms Butani Hetvi, and Mr Rahul Kumar of Agriculture, underwent international internship-cum-training from 24 August 2023 to 26 September 2023, at the World Vegetable Center's East and Southeast Asia Research and Training Station, Kasetsart University, Thailand.



Series of Training Programme Under NHAEP-IDP

- College of Agricultural Engineering and Technology, JAU, Junagadh organized a series of four training programmes, under NAHEP-IDP, spanning over five days, i.e. 21–25 August 2023 for B. Tech. (Agric. Engg) students. The trainings were imparted on topics like Remote Sensing and GIS in Water Resource Management, Start-up Opportunities for Exporting Irrigation Equipment, Advanced CAD Using CREO Parametric Software and Emerging Trends in Food Process Industries.



- A six-day vocational training programme on Drone Training with DGCA Certification was organized by the Department of Farm Machinery and Power Engineering, CAET, JAU, Junagadh, during 4-9 September 2023, under NAHEP-IDP.



- Under NAHEP-IDP, a three-day training programme on Unlock Your True Potential was organized at CoA, JAU, Mota Bhandariya during 25 and 27 September 2023, benefiting 72 students of B. Sc. (Hons.) Agriculture.



- College of Agriculture, JAU, Junagadh, organized a lecture series of visiting experts from Australia on 14 September 2023, benefitting all UG and PG students and faculties. Ms Neha Umretiya, Head of Programmes, Science, Resources & Greenskills, North Metropolitan TAFE, Govt. of Western Australia, and Mr Praful Umretiya, Plant Breeder, Department of Biodiversity, Conservation and Attractions (DBCA), Govt. of Western Australia, were the invited experts.



Grassroots-Level Workshop on Orphan Crops

Kirshi Vigyan Kendra, JAU, Amreli and National Council for Climate Change, Sustainable Development, and Public Leadership (NCCSD), Ahmedabad, organized a one-day grassroots-level workshop on Orphan Crops on 6 August 2023. Shri Parshottam

Rupala, Union Cabinet Minister of Fisheries, Animal Husbandry, and Dairying, GoI, graced the event as

President and Shri Dilip Sanghani,



Chairman of IFFCO and GUJCOMASOL was the Chief Guest. Dr V. P. Chovatia, Vice Chancellor, JAU; Shri Ashvin Savaliya, Chairman, AMR Dairy, Amreli, and Director, Gujarat Co-operative Milk Marketing Federation (AMUL); Dr Kirit N. Shelat, IAS (Retd.), Executive Chairman, NCSSD and Former Principal Secretary, GoG; and Dr N. B. Jadav, DEE, JAU also graced the occasion. More than 140 farmers and farm women took part in the programme and benefitted from the knowledge on Shree Anna cultivation, insect-pest control and various value-added products. The importance of research needs and investment requirements were also deliberated for the orphan crops.

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences (KSNUAHS), Shivamogga

8th Convocation

The 8th Convocation of University was held at Iruvakkki main campus on 21 July 2023. Shri Thawar Chand Gehlot, Hon'ble Governor of Karnataka and the Chancellor of University presided over the function and conferred the degrees to all the graduating students. In total, 409 UG Degree (B.Sc. Agri., Hort. and Forestry) graduates, 101 graduates of Master Degree, and 23 graduates of Doctoral Degree received the degree both in person and in absentia. University awarded 37 Gold Medals to meritorious students. Governor congratulated all graduates and wished them a bright future. Shri N. Chaluvarya Swam, Minister for Agriculture, Government of Karnataka and Pro-chancellor of this University was the chief guest

of the function. Distinguished Chief Guest of the Convocation Rajarshi Dr Veerendra Heggade, Dharmadhikari of Shri Kshethra Dharmasthala delivered the Convocation address. Shri Bookanakere Siddalingappa Yedyurappa received Honorary Doctorate from Hon'ble, Governor of Karnataka during the Convocation. Dr R. C. Jagadeesha, Vice Chancellor presented the University progress report. Members of the Board of Management and Members of Academic Council were also present. Dr Shashidhar, Registrar coordinated the event.

PJTSAU, Hyderabad

Ninth Foundation Day

PJTSAU celebrated its 9th Foundation Day on 3 September 2023 at the university auditorium, Rajendranagar, Hyderabad. Vice Chancellor, NALSAR University, Prof. Srikrishna Deva Rao, participated as Chief Guest of the programme and delivered the Professor Jayashankar Commemorative Address on Sustainable Development and Agriculture. Dr M. Venkata Ramana, Registrar, PJTSAU, presided over the function. On this occasion, eminent plant breeder, and former Deputy Director General of ICAR, Dr EA Siddiqui was conferred with the Lifetime Achievement Award. Various awards were presented to the best-performing farmers, students, teaching, and non-teaching staff. Over 900 participants including university officers, students, faculty, etc., participated in the programme.



Glimpse of 9th Foundation Day of PJTSAU



Awardee Receiving Certificate on 9th Foundation Day of PJTSAU

State Best Teachers Awards

Five faculty of the PJTSAU, viz. Dr R. Geetha Reddy, Professor and Head, Department of EECM, College of Community Science, Saifabad, Hyderabad; Dr S. Triveni, Professor & Head, Agric. Microbiology, College of Agriculture, Rajendranagar; Dr M. Malla Reddy, Professor of Agronomy & Associate Director of Research, RARS, Palem; Dr L. Krishna, Principal Scientist (Plant Breeding), Rice Research Centre, Rajendranagar; and Dr N. Ram Gopal Varma, Principal Scientist (Entomology), Rice Research Centre, Rajendranagar; were bestowed with the Meritorious Teacher Award 2023 from Government of Telangana on the occasion of Teachers' Day on 5 September 2023 at Ravindra Bharati, Hyderabad.

Annual Review Meeting of AINP on Vertebrate Pest Management

A two-day Annual Review Meeting of AINP on Vertebrate Pest Management was inaugurated at PJTSAU, Hyderabad in association with ICAR-Central Arid Zone Research Institute, Jodhpur at Seminar Hall-I, University Auditorium, PJTSAU, Rajendranagar, Hyderabad on 22 September 2023. Dr S. C. Dubey, ASD (PP&B), ICAR, New Delhi, was the Guest of Honour. Dr M. Venkata Ramana, Registrar, PJTSAU, Dr Vipin Chaudhary, National Network Coordinator, AINP on VPM, Scientists of AINP on Vertebrate Pest Management, PJTSAU and representatives of ICAR participated in the programme. At the two-day review meeting programme for ensuing year was evolved.



Annual Review Meeting of AINP on Vertebrate Pest Management

National Conference on Nex Gen Extension for Evolving Resilient Agri – Ecosystems (NEERAE - 2023)

A three-day National Conference on NexGen Extension for Evolving Resilient Agri – Ecosystems (NEERAE-2023), was organized at university auditorium, PJTSAU, Rajendranagar, Hyderabad from 25-27 September 2023. Dr A. K. Singh, Vice Chancellor, Rani Lakshmi Bai Central Agricultural University, Uttar Pradesh was the Chief Guest for the inaugural session. A total of 99 oral lectures, 132 posters, 8 keynote lectures on 8 themes were delivered and 262 delegates participated in the conference. On this occasion, awards were distributed to the best extension officers, scientists, oral presentations and best posters.



Dr A. K. Singh, VC, RLBCAU, Jhansi Delivering Inaugural Address

SKNAU, Jobner

AICRP Workshop

24th Annual Group Meeting of AINP on Soil Arthropod Pests was held on 13-14 July 2023 at Rajasthan Agricultural Research Institute, Durgapura, Jaipur.

Trainings

- 5th Orientation programme for newly recruited Assistant Professors of SKNAU, Jobner was organized by Directorate of Human Resource Development, SKNAU, Jobner at RARI Durgapura, Jaipur from 21 September to 11 October 2023. Forty Assistant Professors participated in this Orientation Programme.
- Two faculty members namely Dr S. P. Singh and Dr S. S. Sharma of SKNAU, Jobner attended 15-day International short visit training programme at Asian Institute of Technology, Bangkok, Thailand.
- Seven students of SKN Agriculture University, Jobner, attended International training on Precision Agriculture with Smart Farming Technologies at the Asian Institute of Technology in Bangkok, Thailand from 8 September to 7 October 2023.

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

AICRP Workshop

- The AICRP on RM, Division of PBG organised 30th Annual Group Meeting of AICRP-RM at SKUAST of Jammu Chatha during 03-04 August 2023.



Glimpses of 30th AGM of AICRP-RM

Sri Venkateswara Veterinary University (SVVU), Tirupati

Convocation

12th Convocation of SVVU, Tirupati was organized on 22 July 2023. Hon'ble Governor

of Andhra Pradesh and Chancellor of the University Sri Abdul Nazeer and Chief Guest Dr M. R. Saseendranath, Vice Chancellor of Kerala Veterinary and Animal Sciences University, Wayanad, attended the programme. A total of 366 degrees and 35 gold medals, 1 Silver medal and 1 cash prize were awarded to the students.

TANUVAS, Chennai

Mela / Conference

- International Conference on Global Perspectives in Ethno Veterinary Herbal Research for Production of Residue Free Animal Products and first annual convention of Indian Society of Ethno



A Session in Progress in International Conference at VC&RI, Orathanadu

Veterinary Herbal Research was conducted from 19.07.2023 to 21.07.2023 at Veterinary College and Research Institute, Orathanadu benefitting 174 delegates including foreign experts.

- In association with TANUVAS and Indian Association for the Advancement of Veterinary Parasitology, World Association for the Advancement of Veterinary Parasitology (WAAVP) organized its 29th International conference with the theme- Parasites: Global Impacts, Local Solutions- at Grand Ball, Leela Palace, Chennai from 20.08.2023 to 24.08.2023. More than 350 delegates from 56 countries participated.



- National Conference on Diagnostic Cytology was conducted on 08.07.2023 and

09.07.2023 at Madras Veterinary College, Chennai, benefitting 100 participants at national level.



National Conference on Diagnostic Cytology - Madras Veterinary College, Chennai

- TANUVAS organized the 13th Clinical Case Conference on Farm and Companion Animal Practice for Veterinary Students, at Madras Veterinary College, Chennai from 23-25 August 2023. A total of 400 UG and PG students from 15 states from across the country participated and presented clinical cases.



13th Clinical Case Conference at Madras Veterinary College, Chennai

Mela

- A Rabbit Farmers Mela and one-day workshop on Rabbit Health and Management Practices was organized at Madhavaram campus on 22.09.2023 wherein 62 rabbit farmers across Tamil Nadu and Puducherry, participated and interacted with the experts of TANUVAS. Snuffles vaccine was released for the benefit of farmers and free vaccine was also given to the farmers.



Release of Snuffles Vaccine - Rabbit Farmers Mela - 22.09.2023

University of Agricultural Sciences (UAS), Dharwad

Krishi Mela Sampanna: 10 Lakh People Visit in Four Days

The four-day Krishi Mela at the Agricultural University concluded on Tuesday. More than 10 lakh people visited during this period, and 750 q of various sowing seeds were sold, 631 stalls were opened for agricultural machinery, sowing seeds, agricultural implements and other items.

Held under the slogan Sustainable Agriculture Cereals, the fair held seminars on various topics. There were shows on –Amazing Insect World; Livestock Show, and Fruit Show.

Farmers from various districts including Vijayapur, Gadag, Haveri, Bagalkote, Koppala, Bellary, Vijayanagar participated in the fair. There was a demand for new technology equipment like don and kuri machines.

Awareness Programme on Bund Planting in the Field

All India Coordinated Research Project on Agroforestry, UAS, Dharwad organized the awareness programme on Bund Planting in the field of a progressive farmer Shri Shivanand G. Ramgeri at Mugali village of Haveri district in Northern

Transitional Zone of Karnataka on 11 August 2023. The Vice Chancellor Dr P.L. Patil, UAS, Dharwad



Dr P. L. Patil, Vice Chancellor, UAS, Dharwad Addressing the Gathering

inaugurated the programme and addressed the gathering about the importance of natural resource management, soil and water conservation, afforestation and soil fertility management to the audience. Dr S.S. Angadi, Director of Extension, UAS, Dharwad, opined that importance of tree planting on bunds and also their benefits to the environment. Smt

Renavva Basappa Bishetty, Vice President of Grampanchyat Bannur, presided over the function. Later lectures were delivered by Head Dr H.Y. Patil explaining the importance of agroforestry and its utility and planting the different tree species in marginal and degraded lands under rainfed conditions. It helps the farmers for their economic stability. Dr S.T. Hundekar, Senior Scientist delivered lecture on bund planting, and informed that it is the most common phenomena in agriculture to collect surface run-off, increase water infiltration and also prevent soil erosion. He also explained the importance of nutrient management in field crops. Mr S.M. Ghatanatti, Senior Technical Officer explained the importance of tree planting on bunds that will promote viable and sustainable economic alternatives to the farmers, by which they can find possibility for diversification. Later, about 100 tree species, viz. teak, mahagani, tamarind and pongemia were planted on bunds. In this programme about 60 farmers/ farm women of villages namely Shigaov, Mugali, Bannur and Basarikatti participated. The programme ended with vote of thanks by Shri Ramchandra Jadhav.

Trainings

International Training of UG Students at Western Sydney, Australia

As a part of World Bank funded project under National Agricultural Higher Education Project (NAHEP)-Institutional Development Plan (IDP) of ICAR, New Delhi titled Augmenting Quality and Relevance of Higher Agricultural Education through Enhanced Learning Outcome and Entrepreneurship Development, 15 students went to Western Sydney University, Australia on 15 August 2023



Dr P. L. Patil VC and Dr V. R. Kiresur, DoE with Final Year UG Students Deputed to Western Sydney University, Australia

for one-month international training. On the occasion, Vice Chancellor and project leader Dr P. L. Patil wished the students all the best and urged them to make the best use of the opportunity. He advised them to adopt good practices of international institutes in India also.

Deputation of UG Students for International Training at JAMK University of Applied Sciences, Jyvaskyla, and HAMK University of Applied Sciences, Finland

As a part of World Bank funded project under NAHEP-IDP of UAS, Dharwad titled Augmenting Quality and Relevance of Higher Agricultural Education through Enhanced Learning Outcome and Entrepreneurship Development 15 students

are flying to JAMK University of Applied Sciences, Jyvaskyla, and 10 students are flying Hamk University



Vice Chancellor, Dr P. L. Patil, Principal Investigator (IDP), Nodal officer (International Activities) with Final Year UG Students Deputed to JAMK University of Applied Sciences, Jyvaskyla, and HAMK University of Applied Sciences, Finland

of Applied Sciences, Finland on 5 September 2023 for one-month international training.

On the occasion, Vice Chancellor and Team leader Dr P. L. Patil wished the students all the best. He urged them to make the best use of the opportunity and learn innovative practices at the reputed international institutes of Finland. He also advised them to adopt good practices of international institutes in India also.

MoUs

AAU, Anand

- Anand Agricultural University, Anand signed an MoU on 14 September 2023 with Space Applications Center (SAC), Indian Space Research Organisation (ISRO), Ahmedabad, for collaborative research and capacity building. Dr K. B. Kathiria, Vice Chancellor, AAU, Anand and Shri Nilesh Desai, Director, SAC, ISRO, Ahmedabad exchanged the MoU. Dr M. K. Jhala, Director of Research and Dean PG studies, AAU, Anand, Dr R. S. Pundir, PI, NAHEP CAAST, AAU, Anand and Dr Rucha Dave, Assistant Professor, Dept. of Basic Sciences, BACA, AAU, Anand from AAU side and Dr B. K. Bhattacharya from SAC side were present in the programme.



Dr K. B. Kathiria, VC & Shri Nilesh Desai, Director, SAC Exchanging MoU

ANGRAU, Guntur

The ANGRAU signed following MoUs with different organizations:

- With ITC, Bhadrachalam (Paperboard and Speciality Paper Division) for Agri-mechanization for a period of 2 years. MoU was signed on 13.07.2023.
- With AP Online, Vijayawada for Polytechnic Students admissions use for a period of 3 years on 20.07.2023.
- With Hindustan Insecticides Limited (HIL) get the supply of Parental Lines of Sunflower Hybrids of NDSH-1012 for a period of 3 years. MoU was signed on 09.08.2023.

- With Drogo Drones Private Limited, Hyderabad for manufacturing Agricultural drones used for spraying of pesticides, fertilizer and seed dispensing in farm lands. They provide drone pilot training to diploma students of agriculture for a period of 2 years from 11.08.2023.
- iWeb Technology Solutions, Mumbai to complete academic system management (including Colleges, students and faculty), Research and Extension management, Employee and confidential reports management, Seed management, Guest house management and Hostel allocation management for better administration in view of UGC guidelines for implementation of Academic Bank of Credits (ABC) in universities by August 2023 and maintain for 2 years from 11.08.2023.
- Sher-E-Kashmir University of Agricultural Sciences (SKUAST), Shalimar, Srinagar for Exchange of students – on Sandwich/Twinning PG Programmes and to impart training to ANGRAU scientists and farmers on Tulip Bulb production at RARS, Chintapalle – for a period of 10 years from 25.08.2023.

CCSHAU, Hisar

- Tripartite MoU signed with DA&FW, NCPAH, NMoA&FW in July 2023.
- Sokoine University of Agriculture, Morogoro, Tanzania (For cooperation on Agricultural Research and Education) on 11.07.2023.
- Shri Madhav Jan Seva Nayas, Panipat (For Cooperation in Micro propagation of Plants for Framers' Welfare) on 21.09.2023.

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

- An MoU between RPCAU, Pusa and ICAR-CIPHET, Ludhiana, was signed on

26.07.2023 for academic and research purposes in the presence of Vice Chancellor Dr P.S. Pandey and Dr Nachiket Kotwaliwale,

Director, ICAR-CIPHET, Ludhiana along with various dignitaries of the university.



Dr P. S. Pandey, VC & Dr N. Kotwaliwale, CIPHET at MoU Signing Ceremony

Dr YSRHU, Andhra Pradesh

- Dr YSRHU and ICAR- Directorate of Onion and Garlic Research (ICAR-DOGR), Rajgurunagar, Pune entered in an MoU on 20.07.2023 for a period of 3 years for promotion of students training and quality postgraduate research in cutting edge areas.
- National Bureau of Plant Genetic Resources, New Delhi and Dr YSRHU entered into an MoU on 20.07.2023 for a period of 3 years for promotion of students training and quality research in cutting edge areas, for conducting research and training related students for B.Sc., M.Sc. and Ph.D. in various disciplines and exchange technical knowledge for academic, research and training purposes.
- Dr YSRHU entered into Multi-Institutional MoU for Instituting Post-graduate Degrees in Sandwich mode and other areas of common interest to Share National Resources, State Agricultural Universities, Deemed Universities, Central Agricultural Universities, ICAR Institutes, Resources Industry Partners and other R&D Institutions at Srinagar, J&K, India, for a period of 10 years from 24.08.2023 to 23.08.2033.

GADVASU, Ludhiana

- Varsity formalized a Memorandum of Understanding (MoU) with AgrInnovate

India Limited, New Delhi on 28 September 2023, marking a collaborative effort for the Technology Transfer and commercialization of the University's technologies. Dr Inderjeet Singh, Vice Chancellor emphasized the utility of technology transfer and commercialization in animal sciences and the need of driving innovation from the laboratory to practical applications with tangible benefits.



IVRI, Izatnagar

- Formulation of a Novel Feed Supplement for Cattle and Buffaloes Reared in Indo-Gangetic Plains of Northern India by AIMIL Pharmaceuticals (India) Limited, New Delhi on 16.07.2023 for 10 years.
- Cyst Ablation Device by Creative Displayers, Kolkata on 16.07.2023 for 10 years.



Signing of MoU at ICAR Foundation Day

JAU, Junagadh

- JAU signed a Memorandum of Understanding (MoU) with Western Sydney University (WSU), Sydney, Australia, in agriculture education and research on 18 September 2023, in New Delhi under the NAHEP-IDP scheme. The MoU aims to start a dual degree programme for the UG and PG students of JAU, besides opening the doors for opportunities in student/faculty

exchange and research collaboration. Expressing satisfaction about the milestone, Dr V. P. Chovatia, VC, JAU, while talking to the media, asserted that the MoU is yet another feather in the cap of the university, as the students would now get an opportunity to explore international contacts and widen their knowledge from a renowned

institution like WSU, apart from the profound benefit of a dual degree. During the signing ceremony,

Prof. Barney Glover AO, VC, WSU, was present

along with the delegates from WSU as well as Dr P. M. Chauhan, Registrar and Co-PI (IDP), and Dr K. C. Patel, Director (IT Cell) from JAU.



PJTSAU, Hyderabad

- Centre for Forest and Natural Resource Management Studies (CEFARM) represented by Dr S. J. Asha, Secretary, CEFARM and Director, TSFA, Hyderabad and Professor Jayashankar Telangana State Agricultural University (PJTSAU) represented by Dr M. Venkata Ramana, Registrar signed on MoU on 07 August 2023 at Administrative Office, PJTSAU, Hyderabad. The MoU is intended to exchange the subject expertise in forestry, agroforestry, biodiversity, etc., collaborative research projects on carbon sequestration, C trading and agroforestry technologies, etc. The MOU will further facilitate development of information corner, arboretum and also agrobiodiversity park in PJTSAU. It is also

to help in extending guidance to PG students in research on agroforestry and biodiversity conservation.



Centre for Forest and Natural Resource Management

SKUAST-J, Jammu

- ICAR-National Dairy Research Institute and Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu, agreed to engage in a broad spectrum of joint activities for the development of technologies for sustainable livestock production. This MoU is to be treated as a platform on which both parties agreed to work together in the future. The potential areas of collaboration include research, education, training, capacity building, experience sharing and knowledge management, in the domain of development of technologies and expertise for sustainable livestock production.

TANUVAS, Chennai

The university entered into following MoUs with different organizations for transfer of technologies:

- An MoU was signed with the Start-up M/s Jeshron Biotech Solution Private Limited, for the transfer of products – Teat Protect, TANUCHEK SCC kit, and Nanomethicone from DBT-



MoA with the Start-up M/s Jeshron Biotech Pvt. Ltd.,

funded TRPVB– in presence of Dr K.N. Selvakumar, Vice Chancellor, Registrar, Director Centre for Animal Health Studies and Director of Research, TANUVAS along with DBT Nominees including Dr A.K. Rawat and Staff.

- Progesterone Nano Cream and Progesterone Nano Patch technology developed by the faculty members of TANUVAS were transferred to M/s. Jeshron Biotech Solution Private Limited on 03.08.2023.



Transfer of Technology with M/s. Jeshron Biotech Solution Private Limited - 03.08.2023

- Translational Research Platform for Veterinary Biologicals (TRPVB) acquired the technology of multiplex PCR kit for identification of *Mycobacterium orygis* strain and its differentiation from *M. tuberculosis* and *M. bovis* from Department of Animal Biotechnology, Madras Veterinary College, Chennai.



Acquiring Technology Between the Units of TANUVAS - TRPVB and Department of Animal Biotechnology, Madras Veterinary College, Chennai

- Tamil Nadu Veterinary and Animal Sciences University executed MoU with Biotech Consortium Ltd., New Delhi on 14.08.2023 to facilitate for commercializing the products developed under the DBT funded schemes.
- The Multivalent Inactivated Blue Tongue Vaccine technology developed by VRC-VV, DCAHS, TANUVAS was transferred to Reliance Life Sciences Pvt. Ltd.



Transfer of Technology with Reliance Life Sciences Pvt. Ltd.

IPR

BAU, Sabour

- Bihar Agricultural University, Sabour has achieved a remarkable milestone by securing its first international patent from Germany. This ground breaking utility patent is titled as

A System to Improve the Post-harvest Quality



of Banana using Synthesized Carbon Quantum Dots (Utility model number 20 2023 104 654). Dr Mohammed Wasim Siddiqui, a postharvest researcher at the university, in collaboration with a multidisciplinary team, developed an innovative technology to improve the postharvest quality of bananas using synthesized carbon quantum dots (CQDs). In this pioneering work, carbon quantum dots were meticulously synthesized from banana peels using an environmentally friendly green synthesis method, followed by a comprehensive characterization process. The resulting CQDs are highly effective in preserving and enhancing the postharvest quality of bananas during storage.

- Team of Scientist led by Dr Nintu Mandal, Assistant Professor at Department of Soil Science and Agricultural Chemistry, BAU, Sabour developed a unique product (NSP) for which the university



got patent (Patent no: 451589; Date of grant :14.09.2023) from the Patent office, Government of India. The title of patent is “A Superabsorbent Polymer (NSP) and process for preparing the same” with application number 202031020785 filed on 18.05.2020. This patent was granted the term of 20 years from the 18th day of May 2020 in accordance with the provisions of the Patents Act, 1970.

CCSHAU, Hisar

- Versatile Handy Trolley invented by Aysha, Meenu, Dr Manju Mehta, Dept. of FRM, COHS, CCSHAU, Hisar Design Granted on 17/08/2023. Design No. 386671-001
- Scholar’s Chair invented by Meenu, Aysha, Dr Manju Mehta, Dept. of FRM, COHS, CCSHAU, Hisar Design Granted on 17/08/2023 Design No. 386669-001

Dr RPCAU, Pusa

- Geographical Indication (GI)** Marcha Dhaan of West Champaran (Bihar) got the status of Geographical Indication.



University facilitated the Marcha Dhan Utpadak Pragatisheel Samuh, to get the Geographical Indication status for the Marcha Dhaan in co-ordination with the District Administration, West Champaran (Bihar).

- **Patent:** Energy dense nutritive food having balanced nutritional composition and process for preparation-2023. Date of Grant of Patent: 31.08.2023, Patent Number: 448601.



IVRI, Izatnagar

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- रोगाणुरोधी प्रतिरोध एप्प by Triveni Dutt, Rupasi Tiwari, Himani Dhanze, Suman Kumar, Amit Kumar, Samiran Bandyopadhyay, Sudeep Marwaha, Mukesh Kumar, Soumen Pal and Date of Grant: 19.09.2023; Diary No. 25961/2023-CO/L.
- IVRI-Veterinary Surgery & Radiology Tutorial App by Triveni Dutt, Rohit Kumar, Amarpal, Abhishek Chandra Saxena, Rupasi Tiwari, Amit Kumar, Sudeep Marwaha, Mukesh Kumar, Soumen Pal and Date of Grant:19.09.2023; Diary No. 25960/2023-CO/L

SKUAST-J, Jammu

- Pharmaceutical composition with synergistic combination of Thymus Serphyllum essential oil and antibiotic (Patent no. 445175, date of grant 16/8/2023)
- Device to monitor growth and identify disease of a plant, UK Design patent number: 6307698, Grant date: 12 September 2023.

SKUAST-K, Srinagar

Detection of DNA polymorphism on polyacrylamide gel and method thereof Patent No. 42477.

AWARDS and RECOGNITIONS

AAU, Anand

AAU Gets the Prestigious International Green University Award at Cornell University, New York

AAU, Anand was recently conferred with the prestigious International Green University Award at the 7th NYC School Conference, ILR School Cornell University, New York, USA on 15 September 2023. Dr Gautam Patel, the Registrar, accepted the



Hon'ble Minister of State, Agriculture, and Panchayat, Praising the Vice Chancellor, Dr K. B. Kathiria

award at the conference organized parallel to the 78th General Session of the United Nations, attended by prominent leaders, distinguished scientists, renowned teachers, policymakers, diplomats of various countries, and many administrators worldwide. Minister of Agriculture and Animal Husbandry, Government of Gujarat, Shri Raghavjibhai Patel; Minister of State, Agriculture, and Panchayat, Shri Bachubhai Khabad; and Additional Chief Secretary, Agriculture Department, Shri A. K. Rakesh congratulated the Vice Chancellor of AAU, Dr K. B. Kathiria, and the entire AAU team for this achievement. Green Mentors, a globally renowned non-governmental organization and a designated consultative body of the United Nations Economic and Social Council (ECOSOC), awards educational institutions that have made outstanding commitments and efforts to

protect the environment and promote green practices in the campus and curriculum for ecological balance. Green Mentors conferred this honour to AAU for its environment-friendly practices such as a green campus, plastic-free campus, water conservation, use of renewable energy sources, efforts to introduce environment-related courses, implementation of recycling process at university buildings, effective waste-management systems, use of solar panels for energy requirements, encouraging students to use electric bikes and bicycles, etc. The detailed report and presentation for the nomination of this award were prepared under the guidance of Dr K. B. Kathiria, Vice Chancellor of AAU. This award will help AAU attract more international students and benefit significantly in various rankings and accreditations in the future.



**Registrar of AAU
Receiving the Award
at New York**

Prof. Subodh Bhatnagar Award to Dr Akash Parihar

Dr Akash Parihar, Professor and head, Genetics and Plant Breeding was honored with Prof. Subodh Bhatnagar Innovation Award-2023 by Springer Nature and the Society for Plant Research. The award is given by Springer Nature and the Society for Plant Research in recognition of the lead scientist's contribution to innovative research, which also publishes an international journal of plant research and biotechnology called *Vegetos*. The award is presented by the Springer Nature Society in recognition of outstanding contributions in the field of crop improvement through biotechnology interventions as well as molecular breeding.



Professor Receiving the Award

ANGRAU, Guntur

- Dr T. N. V. K. V. Prasad, Professor & Head, S.V. Agricultural College, Tirupati got recognition as Top 2 % most influential scientist in the world-Stanford's list 2023.
- Dr P. Satyanarayana, Principal Scientist & Head (Pl.Br.), ARS, Ragolu received M.S. Swaminathan best Scientist Award in the field of agriculture on 03.09.2023 sponsored by Nuziveedu seeds and given by RICAREA at IIRR, Hyderabad in connection with silver jubilee of RICAREA.
- Dr L. Edukondalu, Professor, College of Food Science & Technology, Pulivendula, Dr M. S. Chaitanya Kumari, Associate Dean, College of Community Science, Guntur and Dr Ravi Babu, Professor, Dr NTR CFST, Bapatla, received State Best Teacher Award from Government of Andhra Pradesh held at Andhra University, Visakhapatnam on 05.09.2023.

BAU, Sabour

The BAU Sabour community radio station Green FM 90.8 was awarded the National Community Radio Station Award by the Government of India, Ministry of Information and Broadcasting for programme series *Poshan Shrinkhala* for the year 2022.



Dr RPCAU, Pusa

Mr Vikash Kumar Rai, Assistant Professor, Soil Science was selected for Netaji Subhash ICAR International Fellowship 2022-23 by the Government of India for pursuing Ph.D. programme.

Dr YSRHU, Andhra Pradesh

- On 31.07.2023, Dr YSRHU – College of Horticulture, Chinnalataripi students participated in 4th National Online Quiz on Insolvency and Bankruptcy code, 2016 conducted by Government of India and Ministry of Education. A total of 105 students participated and received participation certificates.



Appreciation to Dr YSRHU-KVK, National Quiz for Insolvency and Bankruptcy Code, 2016, Participation Certificates

- During the Annual Zonal Workshop held at TNAU, Coimbatore, from 17-19 August 2023, Dr YSRHU-Krishi Vigyan Kendra in Venkataramannagudem received, First place in the ARYA project, Second place in Fish stock, Consolation prize in photography and 2nd place in selection of Success story for Annual Report Box item. Dr YSRHU - Krishi Vigyan Kendra, Pandirimamidi bagged two awards, First place for TSP activities and Third place for KVK Success story.



Certificates Received During Annual Zonal Workshop of KVKs Under Zone X

- Dr R. V. Sujatha, Associate Professor (Economics),



College of Horticulture, Venkataramannagudem, received **AP State Best Teacher Award** from Education Minister of Andhra Pradesh Shri Botsa Satyanarayana garu on 05.09.2023 on the occasion of Teachers' day.

- Ms A. I. Sudha Rani, B.Sc. (Hort.) III year student won first place in 48th Andhra Pradesh State Yogasana competitions held at Kurnool on 9-10 September 2023. Dr M. Madhavi, Associate Dean, COH, V. R. Gudem felicitated the student for her achievement and Vice Chancellor Dr T. Janakiram appreciated the student on 11.09.2023.



First Place in 48th AP State Yogasana Competition

GADVASU, Ludhiana

Veterinary Varsity Confers Chief Minister Award to Four Progressive Farmers

Varsity conferred Chief Minister awards to four livestock farmers on the 14 September 2023. In the Cattle Farming category S. Ranjit Singh Sohi s/o S. Sukhpal Singh, VPO Langiana Purana, Tehsil Baghapurana, District Moga Ludhiana

got the award. In the Poultry Farming category, Shri Rishi



Pal s/o Shri Banarsi Dass of village Thuhi, Tehsil Nabha, District Patiala earned the award. In the category of Value Addition of Livestock Produce, award was given jointly to S. Gurbachan Singh s/o S. Kehr Singh of village Burj Deva Singh, PO Harike, District Tarntaran and S Pushpinder Singh Sidhu s/o S Hakam Singh Sidhu of village Banwala Hanwanta, PO Jandwala, District Fazilka.

These awards carry a plaque, shawl and citation along with cash.

IVRI, Izatnagar

- Joint award to ICAR-IVRI and ICAR- NRC on Equines for development of Lumpy Skin Disease Vaccine on 95th Foundation of ICAR.
- Joint award to ICAR-Directorate of Foot-and-mouth Disease, Mukteswar and ICAR-Indian Veterinary Research Institute for Thermotolerant foot-and-mouth disease virus (FMDV) serotype O Indian vaccine strain O IND R2/1975 with enhanced immunogenicity in Cattle on 95th Foundation of ICAR.

JAU, Junagadh

Best KVK Presentation Award

KVK, Pipalia (Rajkot II) received the Best Presentation Award during the 6th Annual Zonal Workshop of KVKs of Maharashtra, Gujarat, and Goa of Zone-VIII organized by ICAR-ATARI, Pune, VNMKV, Parbhani and KVK, Aurangabad-I during 28-30 July 2023. Dr A. J. Bhatt, Scientist, KVK, Pipalia, presented the activity of the KVK during the workshop and received the award.



Best Performing AICRP Centre Award

Pearl Millet Research Station, JAU, Jamnagar was appreciated with the Best Performing AICRP Centre for the period 2022-23 during the 58th Annual Group Meeting of AICRP Pearl millet, Sorghum and Small millets, during 10-11 July



2023 at ICAR-Indian Institute of Millets Research, Hyderabad.

CAET JAU Student Scores First Rank in ICAR AIEEA (PG) Examination

In yet another proud moment for the university, Mr Kamal Charan, a student of CAET, JAU, Junagadh, secured first rank in the ICAR-AIEEA (PG) results announced on 22 August 2023.

KU, Kamdhenu

Dr Smit Ramesh Lende, Head Centre of Excellence in Aquaculture secured following awards:

- **Excellence in Education Sector**, Diamonds of India Award, 2023.
- **Young Academician Award**, Chronical Aquatic Science, 2023.

SKUAST-J, Jammu

- Dr Upma Dutta received Best Oral Presentation Award (1st Position) by Division of Agricultural economics and Agribusiness Management and Indian Society of Agricultural Economics, Mumbai. She also received Young Woman Scientist Award by RSKSEPSS, Prayag Raj.
- Dr Manish Kr Sharma Elected as Vice President Society of Statistics, Computer and Applications during 2023 by SSCA.

TANUVAS, Chennai

- Mr S. Lakshmanan, Final year B.V.Sc. & A.H. student of Veterinary College and Research Institute, Orathanadu, TANUVAS secured First rank in the All India Entrance Examination for Admission 2023 (ICAR AIEEA PG 2023) under Animal Biotechnology subject, conducted by Indian Council of Agricultural Research.

- Vice Chancellor, TANUVAS, Dr K. N. Selvakumar and Dean, VCRI, Salem have been admitted as fellow of National Academy of Veterinary Sciences (NAVS, India) for significant contribution for advancement of Veterinary Sciences on 1 July 2023.



- The second conclave of Higher Education Institutions on NIRF-2023 was held at Raj Bhavan, Chennai on 26 July 2023. During the event, Honourable Governor-Chancellor, Shri R. N. Ravi felicitated TANUVAS for securing 12th rank in Agriculture and Allied Sector and First among the State Veterinary Universities of the country. Dr K. N. Selvakumar, Vice Chancellor, TANUVAS received the felicitation certificate and presented the various initiatives taken by TANUVAS for securing the top rank in NIRF, 2023.



**Dr K. N. Selvakumar, Vice Chancellor, TANUVAS
Receiving the Felicitation Certificate from Honourable
Governor, Tamil Nadu and Shri R. N. Ravi**

- Miss M. Sadhana, student of Madras Veterinary College, Chennai, TANUVAS bagged first prize in Oratorical competition on G20 theme organized by All India Radio,



Chennai, held at Ethiraj College from 24-25 August 2023 and received the prize from Hon'ble Governor of Telangana & LG, Puducherry, Dr TAMILISAI Soundararajan on 03.09.2023.

UAS, Dharwad

Dr P. L. Patil, Honored with Prestigious Life Time Achievement

UAS, Dharwad Vice Chancellor Dr P. L. Patil, was honored with prestigious Life Time Achievement at 2nd International Conference

on Prospects and Challenges of Environment and Biological Sciences in



Food Production System for Livelihood Security of Farmers, held from 18-20 September 2023 at ICAR-Central Inland Agricultural Research Institute, Port Blair Andaman and Nicobar. In the same conference UAS, Dharwad Scientists Dr Mahabaleshwar Hegade (Best Teacher Award) and Dr S. S. Udikeri (Best Scientist Award) were also awarded.

LIMELIGHT

AAU, Anand

Visit of Natural Farming Demonstration Unit at KVK, AAU, Dahod

On 28 August 2023, Minister of State, Agriculture and Farmers Welfare, Gujarat State, Shri Bachubhai Khabad in the presence of Vice Chancellor, AAU, Anand Dr K. B. Kathiria and other delegates of Anand Agricultural University visited the Demonstration Units of Natural Farming and Integrated Farming System at KVK, AAU,

Dahod. He interacted with farmers practicing natural farming and also listened to their concerns.



Vice Chancellor, Dr K. B. Kathiria Explaining to the Minister of State, Agriculture and Farmers Welfare, Gujarat State, Shri Bachubhai Khabad

Extension Education Institute, AAU Leads the Way in Combating Antimicrobial Resistance and Promoting Animal Health

OAAU, Anand under the esteemed guidance of Vice Chancellor, Dr K. B. Kathiria, hosted a significant two-day training programme on Improving Animal Health Practices of Veterinarians and Livestock Farmers to Contain Antimicrobial Resistance and Promote Animal Health. The event held on 25-26 September 2023, marked a pivotal moment in the university's commitment for addressing the critical issue of

antimicrobial resistance in animal farming. It is a matter of pride that AAU was selected for this multi-national project by the Asian



Vice Chancellor, Dr K. B. Kathiria During the Inauguration

Development Bank in collaboration with Sathguru Management Consultants and Zenex Animal Health India Private Ltd.

The inaugural function witnessed the release of a valuable resource, the Gujarati booklet titled *Antimicrobial Resistance: Problem and Solution*. This booklet is a useful reference for both veterinarians and livestock keepers, providing

insights into combating antimicrobial resistance effectively. The event was attended by the key stakeholders, including university officials and representatives from Sathguru Management Consultants, Hyderabad, Zenex Animal Health India Pvt. Ltd, and the Asian Development Bank. Their presence underscored the collaborative nature of the training programme and the shared commitment to mitigate antimicrobial resistance.

In his address, Vice Chancellor Dr K. B. Kathiria emphasized the importance of creating awareness about the adverse effects and misuse of antibiotic drugs in animal farming. He called for a collective effort to address this pressing issue that affects not only the livestock industry but also public health. A total of 62 livestock farmers actively participated in this training, with 25 women livestock keepers playing a pivotal role in the success of the training.

Dr RPCAU, Pusa

- **100% Placement:** MBA programmes at SABRM achieved 100% placement with highest CTC to girl students at Rs 9.50 LPA and Rs 8.30 LPA for MBA Rural



- Management and MBA Agribusiness Programme, Batch-2021-23, respectively.
- Fourteen students of B.Sc. Agriculture, MBA (Agri-business) M.Sc. (Agriculture) were selected in IFFCO Kisan, Syngenta Foundation India, Yara Fertilizer, Green Fertilizer as Sales Executive, Sales Officer and Sales Trainee.
- More than 123 students of the University successfully cracked (ASRB & UGC) NET examination conducted by National Testing Agency.

- The Teachers' Day was celebrated on 5 September 2023 at Vidyapati Sabhagar at University Level. On this auspicious occasion university administration declared the result of CAS promotion of University Teachers- 96 Scientist were promoted to different levels under CAS. More than hundred students participated in the programme.
- Farmers/ Rural Youth/ Rural Women/ Extension Workers (5,392) were trained in various agricultural technologies including beekeeping/ mushroom/ vermicompost/ store grain pest/ soil testing etc. Farmers were also given access to online advisory services.
- Hindi month was organized from 1-30 September 2023. Several events like Debate, Technical Writing, Elocution, Quiz, Drawing, Painting, Poem recitation, Kavi-Sammelen, etc., were organized during the Hindi month. Students and employees of the University participated in programme and some of the good performers received certificates and medals during the closing ceremony held on 30.09.2023.



“Celebration of Hindi Chetna Maah 2023”

Dr YSRHU, Andhra Pradesh

Launching of Chocolate Melangers- SCSP Project

Inauguration of Chocolate Melangers was held on 2 September 2023 under SC-SP Project entitled Entrepreneurship Development through Value Addition in Cocoa. The event was graced by Dr T. Janakiram, Vice Chancellor, Dr YSRHU, Dr A. S. Padmavathamma, Dean of Horticulture, Dr S.

Surya Kumari, Dean PG Studies, Dr D. Venkata Swamy, Controller of examinations, Dr D. R. Salomi Suneetha, Dean of Student Affairs, teaching, Dr M. Kalpana, Principal



Investigator and non-teaching staff of COH, Venkataramannagudem.

Launching of Chocolate Melangers-SCSP Project

GADVASU, Ludhiana

GADVASU and PAU Organizes G20 University Connect Programme

For engaging young minds for sustainable development, the week-long G20 University Connect programme was jointly organized by GADVASU, Ludhiana and Punjab Agricultural University (PAU), Ludhiana under the aegis of Ministry of External Affairs, Government of India and Research and Information System for



Dr Inderjeet Singh, VC, GADVASU Presenting Memento to Dr G. S. Gosal, VC, PAU

Developing Countries (RIS) concluded on 23 August 2023. The mega-event brought together think tanks, policymakers, administrators, academicians, and other stakeholders to deliberate on the theme Climate-Smart Agriculture, Food Systems and One Health, for sustainable progression of the G20 nations.

Vice Chancellor Visits Thai University

Dr Inderjeet Singh, Vice Chancellor visited the Prince of Songkla University (PSU), Hatyai, Thailand, as a visiting Professor. The President of PSU, Dr Niwat Keawpradub warmly welcomed Dr Singh



and reiterated the need for strong academic and research collaborations between the two institutes. Prof. Soottawat Benjakul, Director, International Centre of Excellence in Seafood Science and Innovation (ICE-SSI) showcased the cutting-edge research carried out by the centre in seafood utilization focusing on converting waste to wealth. Prof. Soottawat and Dr Singh discussed the possibilities of sandwich Master's degree in Fish Processing Technology under the joint seal of the two universities.

IVRI, Izatnagar

- Dr Himanshu Pathak, Secretary, DARE, GOI & Director General, ICAR, New Delhi, visited ICAR-Indian Veterinary



Research Institute, Mukteswar campus on 05.07.2023. During the visit, he inaugurated the restored 130 years old main office building.

- All India State Animal Husbandry Directors Interface Meet 2023 being organized by ICAR-IVRI, Izatnagar as a part of the National Campaign on Advances in Animal Health and Production, as a part of nationwide celebrations of *Azadi Ka Amrut Mahotsav*. Shri Parshottam Rupala, Union Cabinet Minister of Fisheries, Animal Husbandry, and Dairying, GoI graced the function as chief guest. Dr Abhijit Mitra, Animal Husbandry commissioner, DAHD&F, Ministry of Fisheries, Animal Husbandry, and dairying, GOI also attended the programme.

KU, Gandhinagar

International Tiger Day & World Lion Day Celebrated at Veterinary College, Junagadh

To create awareness about habitat, conserva-

tion and developing informal knowledge among students regarding two important wildlife of India i.e. Tiger-a national animal, and Lion-a pride of Gujarat, International Tiger Day and World Lion Day, were celebrated at Veterinary College, Junagadh under the aegis of SRC and AGB Dept. of Veterinary College, Junagadh. On the occasion of International Tiger



Day, a short paragraph writing competition on different topics was organized through online mode during 28 July 2023. A total of 48 paragraphs were received from the various students. On the occasion of World Lion Day, a drawing competition was organized on 10 August 2023. All the winners of these events were felicitated with the prizes.

Infertility Camp and Pashupalan Shibir in Narmada District

The College of Veterinary Science & Animal Husbandry, Navsari and the Department of Animal Husbandry, Narmada, organized fertility camps and Pashupalan Shibir in Bhadam Takeravillage and Rajpipla of Narmada district under the aegis of



Azadi Ka Amrut Mahotsav and Pashudhan Jagruti Abhiyan. The objective of these camps and shibir was to provide young students and farmers with practical, hands-on training sessions and increasing understanding of scientific livestock management in the district. Union Minister of Fisheries, Animal Husbandry and Dairying, GoI, Shri Parshottambhai Rupala inaugurated Infertility camp at Bhadam Takeravillage and launched A-Help and Pashudhan Jagruti Abhiyan at Rajpipla, District Namrada on 14 August 2023. In the camp 377

animals were treated including 110 cases of gynaecology and 267 cases of medicine. In Pashupalan Shibir more than 500 farmers participated. Dr N. H. Kelawala, Vice Chancellor, Dr M. M. Trivedi, DEE, Dr J. S. Patel, ADEE and Dr V. B. Kharadi, Principal, Veterinary College, Navsari, Kamdhenu University, were also present in the programme.

PJ TSAU, Hyderabad

Establishment of New Agricultural College

The Government of Telangana sanctioned new Agricultural College at Tornala, Siddipet district offering B.Sc. (Hons) Agriculture with an intake of 60 students from the academic year 2023-24 onwards (Vide G.O. Ms. No.40, dated 23-09-2023 of APC, Agricultural Department, Govt. of Telangana). Accordingly, University has issued the proceedings vide Proc. No.12576/Acad./2023, dt.30-09-2023 of Registrar, PJ TSAU, Hyderabad.

Visit of Dr Geraldo Eugenio, Professor of Biodiversity, Brazil

Dr Geraldo Eugenio, Professor of Biodiversity, Federal Rural University of Pernambuco, Brazil visited PJ TSAU on 19 September 2023 and presented activities of his university. He stated that two Universities should work collaboratively in areas of mutual transfer of faculty exchange, students, genetic resources and precision agriculture. University Officers participated in the interaction.

SKNAU, Jobner

- Eleventh Foundation day of SKN Agriculture University, Jobner has been solemnized on 14 September 2023 in the Sarwati Hall SKNCOA, Jobner. The chief guest of this programme was Shri Jagdeep ji Dhankhar, Vice President of India. Shri Lalchand Kataria ji, Agriculture Minister, Government of Rajasthan, Shri Rajyavardhan Singh,

Member of Parliament, Dr Balraj Singh, Vice Chancellor, SKNAU, Jobner and Dr Sangram Singh, Ex- Director Extension, SKNAU, Jobner, also graced the function along with faculty and students.

- Hon'ble Vice President of India, Shri Jagdeep Dhankar, Agriculture Minister, Government of Rajasthan, Shri Lalchand Kataria ji, Shri Rajyavardhan Singh ji Rathore, MP visited water harvesting ponds i.e., Maru Sagar and Jwala Sagar on 14.09.2023.
- The National Agricultural Education Accreditation Board (NAEAB) extended the Accreditation of Sri Karan Narendra Agriculture University, Jobner for next three years i.e. up to 31.03.2026.

SKUAST-J, Jammu

G20 University Connect at SKUAST-J

The Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST-J) had the privilege of being the first Agriculture University in the country to organize G20 University Connect Programme. The programme was held under the



Glimpses of G20 Connect Programme

Chairmanship of Dr B. N. Tripathi, Vice Chancellor, SKUAST-Jammu. Before the main event on 22 August 2023, five pre-event student activities were conducted namely: 1. Poster Competition, 2. Essay Writing, 3. Quiz, 4. Ideathon, 5. Rangoli.

The pre-event student activities at the G20 University Connect at SKUAST of Jammu, were instrumental in promoting engagement, creativity and knowledge sharing among the students. The students participating in the pre-event activities represented all the faculties of the University. Besides, the students of many colleges from the Jammu, Samba and Kathua

districts namely Government Degree College, Kunjwani, Government Degree College, R. S. Pura; Government Degree College, Bishnah; Government Degree College, Samba; Government Degree College, Vijaypur; Maulana Azad Memorial College, Jammu; Government College for Women, Bhagwati Nagar; and Government College for Women, Prade, Jammu participated in the pre-event student activities. In the G20 University Lecture Series on 22 August 2023, about 1000 students and faculty members of the SKUAST-J and colleges participated.

The Special Lecture on G20 Indian Presidency was delivered by Ambassador Sanjay Bhattacharyya, Former Secretary, Ministry of External Affairs, India.

The Special Remarks: Agricultural Issues in G20 were given by Dr Smita Sirohi, Joint Secretary (G-20), Ministry of Agriculture & Farmers Welfare, Government of India and Dr R. C. Agrawal, Deputy Director General (Agril. Education), ICAR, New Delhi.

The Special Remarks on the G20 University Connect Programme was given by: Dr B. N. Tripathi, Vice Chancellor and Chairman-G20 University Connect, SKUAST-Jammu.

The Valedictory Lecture on the theme of G20 University Connect on Sustainable Agriculture for Resilient Agri-food Systems with Climate Smart Approach was delivered by Dr Trilochan Mohapatra, Chairperson, Protection of Plant Varieties and Farmers' Rights Authority, Government of India, New Delhi.

Parthenium Week

All KVKs working under the aegis of SKUAST-J and able guidance of Dr B. N. Tripathi, Vice Chancellor SKUAST-Jammu organized multiple awareness programme on Parthenium weed



Parthenium Awareness Programme

and its management at multiple locations. Parthenium week is celebrated from 16-22 August every year to create awareness about the harmful effects of congress grass and its management.

Exposure Visit of Students of High School, Dhara Mohra, Surankot to KVK Poonch

To bring awareness to the visiting students regarding the different avenues and opportunities in the field of agriculture Krishi Vigyan Kendra, Poonch hosted students of Government Higher School Lathoong, Surankote for an exposure visit.

During the day long programme the students visited the different components of KVK such as vermi-compost unit, Hi-tech polyhouse, pecan and walnut nursery blocks, etc. An exhibition stall was also displayed for the visiting students for improving their knowledge and awareness regarding seeds of different crops, plant protection equipment, farm machinery etc.



Exhibition on University Foundation Day at SKUAST-J

SKUAST-J celebrated its 25th Foundation Day at Main campus, Chatha (Jammu), in which Hon'ble Lieutenant Governor Shri Manoj Sinha addressed faculty members and students and also

inaugurated various facilities at the University including Silver Jubilee Park, Apartment



Shri Manoj Singha Visiting the Exhibition

and Faculty Club and unveiled the Rajat Jayanti Smarak to mark its 25th Foundation Day. He also launched the Green Education Programme, International Helpdesk and Academic Management System (AMS) Portal. He also inaugurated the exhibition at Baba Jitto Auditorium displaying various technologies and FPOs promoted by different KVKs of SKUAST-J. On this Occasion, all the KVKs under the administrative control of SKUAST-J had put up exhibition stalls to showcase the different technologies.

TANUVAS, Chennai

- The Directorate of Clinics, TANUVAS initiated the installation of Veterinary Teaching Hospital Information and Management System (VeTHIMS) in all the TANUVAS hospitals for the digitization of the various clinical activities. Dr K. N. Selvakumar, Vice Chancellor TANUVAS inaugurated VeTHIMS on 05 July 2023 at Clinical Block, Madras Veterinary College, Chennai.



Inauguration of VeTHIMS by the Vice Chancellor, TANUVAS, Chennai

- A zoonoses awareness rally was organized on 06 July 2023 in commemoration of World Zoonoses Day 2023 by Tamil Nadu Veterinary and Animal Sciences University. The event was flagged off by Vice Chancellor, TANUVAS, Dr K. N. Selvakumar.



Zoonoses Awareness Rally – TANUVAS Main Campus - 06.07.2023

- The Vice Chancellor, Dr K. N. Selvakumar inaugurated the Interventional Medicine Referral Clinics at Department of Veterinary Clinical Medicine, Madras Veterinary College, Chennai. The Director of Clinics; Dean, MVC; Dean, FBS, HOD and staff were present.



Inauguration of Interventional Medicine Referral Clinics at MVC, Chennai

UAS, Dharwad

Parthenium Awareness Week

On 22-08-2023, Parthenium awareness week was organised jointly by Directorate of Research and AICRP on Weed Management (Voluntary Centre), involving all the key officers, staff, students, NSS programme officers and volunteers in the main campus of University of Agricultural Sciences, Dharwad under



Dr V. R. Kiresur, DoE & Dr B. D. Biradar, Director of Research with Participants at Parthenium Awareness Week

the esteemed leadership of Dr P. L. Patil, Vice Chancellor, UAS Dharwad. Dr V.R. Kiresur, Director of Education inaugurated the programme by releasing the technical folder on Integrated Management of *Parthenium*. He informed the gathering on the ill effects of *Parthenium* on human beings, animals as well as on environment and the responsibility of every one of us in eradicating this dreaded weed. Dr B.D. Biradar, Director of Research in his presidential remarks emphasized the role of student community towards an effective eradication of this weed in the campus and thereby making UAS Dharwad a *Parthenium* free campus. Further, Dr P. Jones Nirmalnath, PI and Head, AICRP on Weed Management,

highlighted on the management of *Parthenium* through biological agents as well as through herbicidal application. The NSS programme officers Dr Vithal Navi, Dr Shobha Immadi, Dr Geeta S Tamgale, Dr Sumangala Bhat and Ramya H.G along with their NSS volunteers actively participated in the eradication of *Parthenium* near the Krishi mela site of the university campus. Similarly, the *Parthenium* uprooting was undertaken at 31 different places of UAS, Dharwad campus by 31 different groups comprising teaching, non-teaching, labours and students. Finally, Dr Vithal Navi thanked all the groups and participants.

Prof. R. F. Patil Memorial Lecture

First memorial lecture of renowned Agricultural Engineer and one of the founders of College of Agriculture,

Dharwad, Late Prof. R. F. Patil was organized at UAS, Dharwad on 04-09-2023 by Department of Agricultural Engineering, College of Agriculture,

Dharwad, as part of the *Amrit Mahostava* Celebration of College of Agriculture, Dharwad. Retired Secretary PWD, Shri G.C. Tallur inaugurated the programme and spoke about role played by Prof. R.F. Patil in laying Sasman bunds in black cotton soil in North Karnataka. Deputy Director General (Agricultural Engineering), ICAR, New Delhi Dr S.N. Jha urged students and scientists to come out with innovative solutions to address the topical problems of the farming community. First Vice Chancellor of UAS, Dharwad Dr G.V. Goud



Former Secretary PWD, Dharwad Shri G.C. Tallur; DDG (Agril. Engineering), ICAR, Dr S.N. Jha; Vice Chancellor, UAS, Dharwad Dr P.L. Patil and Other Dignitaries Inaugurated the First Memorial Lecture of Prof. R. F. Patil



remembered his association with his teacher and mentor Prof. R.F. Patil and highlighted the simple life followed by Prof. R.F. Patil. Son of Dr R.F. Patil Shri Jagadesh Patil expressed his gratitude for organizing the event.

President of the function and Vice Chancellor Dr P. L. Patil said that Prof. R.F. Patil was a hard working person, contributed a lot for the establishment of College of Agriculture and has written an auto biography entitled *Santrupti*. Member board of Management Shri Shrinivas Kotyan and Dean (Agri.) Dr H.B. Babalad, Dr Satish Desai, Dr M. S. Shirahatti, Dr M.V. Manjunath, former Vice Chancellors, officers, teachers and family members of Dr R.F. Patil were present in the function.



Dr S. N. Jha and Dr P. L. Patil with University Official & Dignitaries during Prof. R. F. Patil Memorial Lecture

FUTURE PROGRAMMES

PJTSAU, Hyderabad

- Establishment of Advance Center of Excellence on Organic & Precision 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 nanomaterials for controlled-release of nutrients, pesticides and fertilizers in crops as well as nano sensors for agricultural practices, food quality and safety.

SKUAST-J, Jammu

- Production and distribution of elite planting materials of rainfed subtropical fruit crops i.e. mango, Kagzi lime, Eureka lemon, bael, phalsa, jack fruit and custard apple, etc.
- Conducting the experiment trials as per technical programme of rainfed fruit crops.
- Development of low-cost soil and water conservation technologies for rainfed area of Jammu region.
- Development of engine operated maize planter.

TANUVAS, Chennai

- Tamil Nadu Veterinary and Animal Sciences University planned to conduct International Conference on Sustainable Animal Nutrition for Global Health and Production: Innovations and Directions at Madras Veterinary College, Chennai from 23-25 January 2024.

NEW VICE CHANCELLORS

Dau Shri Vasudev Chandrakar Kamdhenu Vishwavidyalaya (DSVCKVV), Durg, Chhattisgarh

Dr R. R. B. Singh

Dr R. R. B. Singh took over as Vice Chancellor of Dau Sri Vasudev Chandrakar Kamdhenu University, Durg, Chhattisgarh on 11 September 2023. He



obtained Bachelor Degree from Sheth M. C. College of Dairy Science under the then Gujarat Agricultural University, Anand, Gujarat and post graduate degree in Dairy Technology from ICAR-National Dairy Research Institute (ICAR-NDRI), Karnal. He earned his Doctoral degree also from ICAR-NDRI in 1991, specializing in thermal processing with focus on UHT processing of milk. His other areas of research interests were sorption phenomenon in foods, application of reaction kinetics and artificial neural network in food quality modelling, traditional Indian dairy products, nutraceuticals and functional foods.

He has over 30 years of experience as academician, researcher and research manager at the leading Agricultural Institutions of the country having been vested with the responsibilities of planning, guiding, implementing and administering education, multi-disciplinary research and outreach programmes. Prior to taking over this responsibility, he served as Joint Director (Academic) and Dean at NDRI, Karnal during 2016-22 where he took many initiatives to improve academic standards, transparency and efficiency through measures such as Academic Automation, online entrance test, establishment of IQAC, participation in National Academic Depository, Adjunct Faculty Program, introducing Foundation Program for Freshers' with round the year follow up mechanism, establishment of language labs, increased institute-industry interface, etc. He secured AICTE approval for the B. Tech (Dairy Technology) programme and accomplished renewal of ICAR & UGC accreditation of all the academic programs. Many of these initiatives significantly impacted performance of students as evidenced from nearly 100 per cent placement, >10% annual rise in median salary and nearly 20% of the undergraduate outturns securing admission to IIMs, IRMA, IIFT and Universities in USA and Europe during his tenure. He also provided leadership to NDRI for three years, and during that period, the Deemed University was continuously placed at

No.1 position in ICAR ranking among all the State Agricultural Universities in the country, and was also recognized as Special Mention Institution (2018) by National Institutional Ranking Framework of Ministry of Human Resource Development, GoI. During this period, external grants in excess of INR 820 million were mobilized to support research programs, faculty and student exchange and strengthening of infrastructure. Prior to this, as Dean at Bihar Agricultural University, Sabour during 2013-15, he contributed in organizing undergraduate program in Dairy Technology with very high placement rate and significant strengthening of infrastructure.

In his role as researcher and teacher, he developed nearly a dozen technologies, seven of which were commercialized to a dozen manufacturers; got five process patents; worked as PI & Co-PI in eight externally funded (~INR 150 million), ten institutional and five contract research projects; contributed nearly 100 research publications many of which are in high impact international and national research journals.

Dr Singh is recipient of more than a dozen awards including ICAR Outstanding Team Research Award and Fellowship of National Academy of Agricultural Sciences. He visited Dairy, Food and Animal/Agricultural Science institutions in nine countries (USA, Denmark, Ireland, Portugal, Belgium, Sweden, the Netherlands, Sri Lanka and Germany) to pursue his professional interests. He also served as Member of the Task Force/Expert Committee in Department of Science & Technology & Food Safety and Standards Authority of India, Government of India and Standing Committee of International Dairy Federation, Brussels.

Maharashtra Animal & Fishery Sciences University (MAFSU), Nagpur, Maharashtra

Dr Niteen Patil

Dr Niteen Patil, Vice Chancellor, MAFSU, Nagpur, Dr Niteen Patil has taken over the charge of Vice Chancellor of Maharashtra Animal and Fishery Sciences University on 10 August 2023. He is adjudged as world's significant Camel researcher—one amongst 20 world scientists and led



to NRC Camel to be Fourth best Institute working on camel research. He is a graduate of Nagpur Veterinary College and did his master's from PGI, Akola and doctorate in Animal Nutrition from National Dairy Research Institute, Karnal. He has more than 35 years of experience and started his professional career from Gadchiroli as Livestock Development Officer in 1985 and then in Academics from 1986 to 2000 at SK Nagar and Navsari under Gujarat Agricultural University. Since 2000 he joined ICAR and worked as In-charge Central Institute for Research on Buffaloes, Nabha, Patiala for 5 years; Head and acting Director, Central Arid Zone Research Institute, Jodhpur during 2005- 2010. For 8 years during 2010-18 he was Director of National Research Centre on Camel, Director; Central Institute for Research on Cattle, Meerut 2019-2020. From March 2020 he worked as Head, Division of LPRM, ICAR-CAZRI, Jodhpur till assuming the charge of Vice Chancellor at MAFSU. He has specialization on feed technology and feeding system for cattle, buffaloes, sheep, goats, camel, equines, poultry and fishes. Also, metagenomics for industrial applications and silvi-horti-agri pasture system. He has attended 3 International and 8 National trainings, 36 conferences/seminar/symposium/International conferences and also organized 48 trainings for farmers and

stakeholders. He has organized 5 Scientific Conferences and Workshops. He has implemented more than 36 R&D projects worth Rs 13.51 crore funded by National and International agencies such as ICAT, ICARDA, SUMAMAD, DBT, NRRRA, Ministry of water resources etc.

He guided 4 Ph.D. research Scholars, and published – 140 research papers in National and International journals of high repute; presented 197 papers/Lead/Key note address during conferences; 120 popular articles; 51 books and technical reports; more than 110 TV/AIR program; and 18 gene sequences.

He has three patents to his credit; 12 submitted and 11 technologies patented; 2 Trademarks registered for Frieswal, and All India Radio Program Unta Ri Batan; commercialized 03 technologies of CIRC - COWCAM, BLAD, PROCURE; Camel milk products—ice-cream, kulfi, flavored milk, fermented lassi, whey, tea, coffee, CM powder, nuggets, kheer, sugar free lassi. He obtained recognition for Camel Milk from – Food Safety and Standards Authority of India (FSSAI) approval for trade and use as human food —2016- Gazette Notification F.No.A-1(1)/ Standards/MMP/2012(Part-I) in Nov 2016 and revised on 1 June 2017.

He has signed MoUs with more than 45 Institutes of CSIR, ICMR, SAUs, SVUs, Universities, BARC, IITs, BITS, IISc and AIIMS; 12 international Institutes - Italy, France, ICARDA, IFAD, Canada, SUMAMAD countries for research & academics. He is actively involved in more than 20 professional bodies as member/ President/Vice president. He has an excellent academic career and got Merit scholarships and Best Doctoral Thesis award - 1993-95. He has been bestowed with several awards and recognitions from various organizations such as Conferred Fellowships from National Academy of Dairy Science (India) during 2014; Fellow of National Academy of Veterinary Science- India during 2018; Fellow of Animal Nutrition Society of India during 2018; Fellow of Animal Nutrition Association

during 2021 and Fellow of 03 other Societies/Associations. He has received Best Paper Presentations Awards on 12 occasions at National and International Conferences; 05 Product Awards; 04 Extension Awards.

Remembering Prof. Swaminathan



Prof. M. S. Swaminathan
(7.08.1925 – 28.09.2023)

In everlasting memory of Professor Monkombu Sambasivan Swaminathan, Padma Bhushan and Padma Vibhushan awardee, Father of Green Revolution in India, First Secretary, DARE, GoI; World Food Prize winner; recipient of Magsaysay Award, Shanti Swarup Bhatnagar Award, Indira Gandhi Prize for Peace, UNEP Sasakawa Environmental Prize and UNESCO Gandhi Gold Medal; Founder Chairperson of MSSRF; one of the Founder members of IAUA; a fountainhead of knowledge and always a source of inspiration for all of us, who has left behind a rich harvest of memories to cherish, honour and emulate.

The values you set in National Agricultural Research and Education System will always remain with us.

In reverence and remembrance
Indian Agricultural Universities Association (IAUA)