



# IAUA NEWS

QUARTERLY NEWSLETTER OF INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION

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## 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 discussed here.

#### VARIETIES/HYBRIDS

##### Assam Agricultural University (AAU), Jorhat

###### Sree Kala

- A lesser yam variety recommended for cultivation in Assam.
- Average yield: 13.05 t/ha and good cooking quality.
- Maturity: 7-8 months; shelf life: 50 days.



##### Chaudhary Charan Singh Haryana Agricultural University (CCSHAU), Hisar

###### Fodder oats

###### HFO 906 (Single Cut)

- The variety was released for cultivation in North West Zone comprising Rajasthan, Haryana, Punjab and Tarai area of Uttarakhand.
- Suitable for single cut, timely sown, normal fertility and irrigated conditions.
- Green fodder yield: 655.1 q/ha; and dry matter yield 124.4 q/ha.
- Seed yield: 27.4 q/ha and Crude Protein: 10.0%.
- The variety is Moderately resistant to *Helminthosporium* leaf blight.

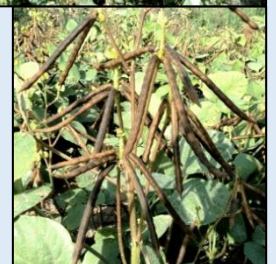


HFO 906 (Single Cut)

###### Mungbean

###### MH 1762

- MH 1762 was notified for cultivation during summer in North West Plain Zones (NWPZ) comprising Uttar Pradesh, Punjab, Haryana, Delhi, Rajasthan, Plains of Uttarakhand, and Jammu & Kashmir under irrigated conditions.
- MH 1762 is a high-yielding disease-resistant variety which matures in 60-61 days.
- Short duration of the variety makes it suitable for intensified rice-wheat cropping system of NWPZ.
- It is highly resistant to mungbean yellow mosaic virus, resistant to *Anthracnose*, and moderately resistant to urdbean leaf crinkle virus and root rot. Whitefly, thrips, and attacks are also lesser in this variety as compared to earlier varieties.



MH 1762

- It gives an average yield of 14-15 q/ha during summer Potential yield is 19-20 q/ha.

### MH 1772

- MH 1772 has been notified for cultivation during *kharif* in North East Plain Zones (NEPZ) comprising Eastern Uttar Pradesh, Bihar, Jharkhand, West Bengal and Assam.
- MH 1772, a high-yielding disease-resistant variety, matures in 65-67 days; and gives an average yield of 11-13 q/ha.
- It is resistant to Mungbean Yellow Mosaic Virus and Web Blight and moderately resistant to *Cercospora* leaf spot, *Anthracnose*, root rot, bacterial leaf spot, *Macrophomina* blight.
- Moderately tolerant to *Meloidogyne javanica*.



MH 1772

### Lentil

#### LH 17-19

- LH 17-19 was notified for cultivation during *Rabi* season in North East Plain Zone (NEPZ) of India comprising Eastern Uttar Pradesh, Bihar, Jharkhand, West Bengal and Assam.
- LH 17-19, a high-yielding (average yield: 15-16 q/ha), disease-resistant variety, which matures in 130-135 days.
- It is resistant to rust and moderately resistant to wilt. It is also tolerant to salinity conditions of the soil.
- Its seeds are small (2.4 g/100 seed) and grayish brown with small black spots.



Single Plant and Seeds of LH 17-19

## Indira Gandhi Krishi Vishwavidyalaya (IGKV), Raipur

### Rice

#### Sanjeevani

- Sanjeevani rice is the first medicinal rice variety of Chhattisgarh released by State Variety Release Committee, Chhattisgarh, for industrial purpose. It was developed jointly by IGKV, Raipur and BARC, Mumbai.
- Sanjeevani brown rice contains high levels of phytochemicals, which has immune boosting and cancer suppressive properties.
- LCMS analysis of brown rice showed 213 additional biomolecules consisting of seven known Nrf2 activators, which exert antioxidant or immune boosting action via activation of transcription factor Nrf2.
- Transcription factor Nrf2 is involved in improved immunity, suppression of chronic inflammation, clearance of dead cells and bacteria, improved stem cell mediated tissue regeneration and detoxification in the body.



**Wheat****Kanishika (CG 1029)**

- Kanishika (CG 1029) variety is highly heat tolerant and suitable for irrigated late sown conditions.
- Recommended area: Central Zone i.e., Chhattisgarh, Madhya Pradesh, Gujarat, Kota and Udaipur Divisions of Rajasthan and Jhansi Division of UP.
- Recommended ecology: Irrigated late sown in December.
- Average grain yield: 52.1 qt/ha; yield potential: 94.9 qt/ha; high thousand grain weight: 47 g.
- Resistant to black and brown rust.
- Average chapatti making score is 7.9/10; around 12 % Protein.

**Chhattisgarh Genhu 4 (CG 1015)**

- Recommended area: Chhattisgarh state.
- Recommended ecology: Irrigated late sown in December.
- Average grain yield: 53.3qt/ha.
- Yield potential: 68.8 qt/ha; medium grain size with 42 g/ thousand seed weight.
- Resistant to black and brown rust.

**Junagadh Agricultural University (JAU), Junagadh****Groundnut****Gujarat Groundnut 101 (GG 101: Sorath Keshav)**

- This high yielding Spanish bunch groundnut variety is recommended for Gujarat in *kharif*.
- Mean pod yield is 2,860 kg/ha, which was 33.96 and 24.26 % higher than the check varieties, GJG 9 (2,135 kg/ha) and TG 37A (2,301 kg/ha), respectively.
- This variety also recorded higher kernel yield than that of the check varieties.
- This variety was comparable to the checks against late leaf spot, rust, stem rot, collar rot incidence and damage due to leaf defoliator.

**Groundnut 24 (GG 24: Sorath Urja)**

- This Virginia bunch groundnut variety is recommended for *kharif* in Gujarat.
- It recorded mean pod yield of 2,555 kg/ha, which was 20.37, 21.97 and 56.42 % higher over the check varieties, GJG 22 (2122 kg/ha), GG 20 (2095 kg/ha) and Kaushal (1633 kg/ha), respectively.
- It also recorded higher kernel yield, number of pods per plant and oil content over the check varieties.
- This variety was comparable to the check varieties against late leaf spot, rust, stem rot, collar rot diseases and damage due to leaf defoliator.

**Groundnut 42 (GG 42: Sorath Shaan)**

- This Virginia runner groundnut variety is recommended for *kharif* in Gujarat.
- It recorded mean pod yield of 2393 kg/ha, which was 12.51, 27.14 and 50.98 % higher over the check varieties, GG 41 (2127 kg/ha), GJG 17 (1883 kg/ha) and Somnath (1585 kg/ha), respectively.

- This variety also recorded higher kernel yield, oil yield, number of pods per plant and shelling per cent over the check varieties.
- This variety is comparable to the check varieties against late leaf spot, rust, stem rot, collar rot diseases and damage due to leaf defoliator.



### Pigeonpea

#### Gujarat Tur 111 (GT 111: Sorath Ratan)

- This medium maturing (177 days) variety is recommended for *kharif* in Gujarat.
- It recorded 2,197 kg/ha average yield, which was 6.6, 18.3, 14.5 and 15.9 % higher over check varieties GJP 1, AGT 2, BDN 2 and GT 104, respectively.
- Seeds of this variety are of cream colour and large in size (12.88 g/100 seeds).
- This variety is moderately resistant to wilt, resistant to SMD and phytophthora blight diseases, with low pod borer and seed damage due to pod fly.



### Pearl Millet Hybrid

#### Gujarat Hybrid Bajra 1294 (GHB 1294: Maru Moti)

- This early maturing hybrid is recommended for *kharif* in Gujarat.
- It recorded average 2,717 kg/ha grain yield which was 20.0% higher than check hybrid GHB 538.
- It also recorded average 7,306 kg/ha dry fodder yield which was 46.8% higher than that of check hybrid GHB 538.
- The hybrid is resistant against downy mildew, blast and rust and tolerant against pest like shoot fly, stem borer and *heliathis* larvae.



## Punjab Agricultural University (PAU), Ludhiana

### Lentil

#### LL 1655

- High yield potential: Recorded 1,432kg/ha seed yield with 10.07 % and 6.15 % higher yield than that of the check varieties L4147 and Pant L063, respectively.
- Good culinary properties with exceptionally high protein content.
- Moderately resistant to rust and tolerant to wilt. Released and notified for NWPZ.

### *Kharif* Mungbean

#### ML 1839

- High yield potential: Recorded 1,058 kg/ha seed yield with 13.52, 12.55 and 27.62 % higher yield than that of the check varieties IPM 2-3, IPM 2K-14-9 and Pant M-4, respectively.
- Moderately resistant to yellow mosaic disease and tolerant to other foliar diseases.
- Medium bold seeds with good culinary properties. Released and notified for NEPZ.

#### ML 2015

- High yield potential: Recorded 1,118 kg/ha seed yield with 19.96, 18.94 and 34.86% higher yield than the check varieties IPM 2-3, IPM 2K-14-9 and Pant M-4, respectively.

- Moderately resistant to yellow mosaic disease and tolerant to other foliar diseases.
- Medium bold seeds with good culinary properties. Released and notified for NEPZ.

### Kharif Urdbean

#### Mash 878

- High yield potential: Recorded 1,462 kg/ha seed yield with 12.98, 15.48, 31.59 and 44.61% higher yield than that of the check varieties KUG 479, Pant U 31, IPU 94-1 and KPU 405, respectively.
- Resistant to YMV and tolerant to web blight, *Anthracnose* and bacterial leaf spot.
- Medium bold seeds with good culinary properties. Released and notified for NWPZ.

## PRODUCT

### PAU, Ludhiana

- Plant-repellent based formulation (RBF) was developed, tested in crop fields and found effective in repelling rodents, blue bull and wild boar. This formulation provided up to 90% prevention against their damage during the vulnerable stages of crops. It is now being validated by scientists working under AINP on VPM at KAU, Thrissur, Kerala; GKVK, Bengaluru; Maruteru, Andhra Pradesh.



## MACHINES and EQUIPMENT, ETC.

### AAU, Jorhat

#### Agri-Solar: A Promising Management Technique to Protect Crop Damage by Rhesus Monkey (*Macaca mulata*) in Horticultural Crops

The crop damage by Rhesus monkey (*Macaca mulata*) is an alarming problem in Assam. On farm demonstration of Solar fencing (AGRI- SOLAR) to protect horticultural crops under ICAR-AINP on Vertebrate Pest Management at AAU-Zonal Research Station was conducted in farmers' field in participatory research mode, showed 100 % protection of the crop. The Agri-Solar Energizer uses 12 V input solar energy, generate electrical shock to monkey.



Agri-Solar

#### HDPE Net: Low-Cost Fencing to Protect Horticultural Crops from Rhesus Monkey

Using low-cost HDPE net of 5 cm mesh and 1.5 mm thickness using bamboo poles of 8 feet in height protected *rabi* and *kharif* vegetables, and was effective in preventing monkey's entry into the crop fields resulting 70-90 % crop protection.

### Odisha University of Agriculture and Technology (OUAT), Bhubaneswar

- **Power Operated Coconut Dehusker:** A portable coconut dehusker operated by domestic power supply was developed with capacity of



dehusking 180-200 nuts/hour (900 nuts/day). The dehusking efficiency is 94 %.

- **Bullock Drawn 8-Row Pre-Germinated Paddy Seeder-cum-Herbicide Applicator:** A bullock drawn 8-row pre-germinated paddy seeder-cum-herbicide applicator was developed for sowing of pre-germinated paddy seeds and application of pre-emergence herbicide.

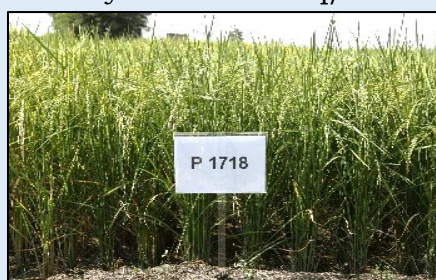
### University of Agricultural Sciences (UAS), Bengaluru

- **Manually Operated Ragi Seed-cum-Fertilizer Drill (Drum Type):** Suitable to small farmers with fragmented land holdings. With this drill farmers can sow 1.5 acre/day using 20 kg of seeds and 70 kg of fertilizer. Approximately it saves Rs 2000/ha in cost of cultivation and reduces labour dependency.
- **Multi-Crop Processing Machine:** Machine is operated with 0.5 or 1 hp, single phase electric motor. It is compact and easy to operate with minimum skill and has high efficiency (98 %). It can be used for separation of pods (40-50 kg/hr) from groundnut crop (groundnut stripping), seeds (110-115 kg/hr) from groundnut pods (groundnut decortication), seeds (216-234/hr) from sunflower ear head (sunflower threshing) and seeds (217-223/hr) from maize cobs (maize shelling). Separated seeds through this method had recorded less than 4 % seed breakage with 95 % germination. It is suitable for small to medium farmers/ processors, startup entrepreneurs and cottage industry.

## PACKAGE of PRACTICE

### Agriculture University (AU), Kota

- **Rice:** On appearance of disease, foliar spray of Tebuconazole 50 % + Trifloxystrobin 25 % WG @ 0.4g/litre at 15 days interval was effective for management of neck blast in paddy crop.
- **Urdbean:** Seed treatment with *Trichoderma viride* @ 8g/kg was effective for management of collar rot, rotting and damping-off in urdbean crop.
- **Rice (Pusa Basmati 1718):** Rice variety Pusa Basmati 1718 included in the PoP of the agro-climatic zone-V. It is also moderately resistant to bacterial blight, blast and sheath blight diseases and brown plant hopper insect. Medium height (115-120 cm), long, thin and aromatic grain, matures in 135-140 days with 45-50 q/ha average yielding.



## CCSHAU, Hisar

- **Entomology:** Treat rice seed with Chlorantraniliprole 625 g/L FS (Lumivia) @ 6 ml formulation per kg seed (make 25 ml slurry by adding water for 1 kg seed) for control of yellow stem borer, *Scirpophagain certulas* in direct seeded rice. (Maha Singh, O.P. Chaudhary, Chitralkha, Sombir Singh, Sushil Ahlawat, S.S. Yadav, Satpal Singh and Rajbir Garg).

**Seed Technology:** Following three technologies were identified and recommended during 38<sup>th</sup> Annual Group Meeting of AICRP on Seed (Crops):

**a. Reaffirming the validity periods of seed certification in field crops**

**Recommendation:** Maximum period maintaining germination percent above IMSCS (Germination >85%) is 17 months for barley, 14 months for Kabuli chickpea and 12 months for mustard seeds.

**b. Mitigation of terminal heat stress for better seed yield and quality in field crops**

**Recommendation:** Foliar spray with salicylic acid @ 800 ppm at vegetative and anthesis stage is useful in mitigating terminal heat stress for better seed yield and quality in wheat.

**c. Seed Bio-Priming for enhancing the planting value of the seed in field crops under sub optimal conditions**

**Recommendation:** Coating on hydro primed (16 hr @ 20°C) seeds with Bio Phos in mustard crop is useful for enhancing the planting value of the seed under sub optimal conditions.

## PAU, Ludhiana

- Reduce dose of urea to 90 kg/ acre after green manuring with sunnhemp or after application of 6 tonnes FYM/acre. Use 110 kg urea/ acre if summer moong residue was incorporated after picking pods.
- One row of cucumber can be sown as intercrop in paired row trench (90:30 or 120:30 cm) planted spring sugarcane. Multiple cropping: maize (green cobs/fodder)-potato-onion and summer moong-DSR-wheat, multiple cropping systems are recommended for higher productivity and returns. Sorghum multicut-berseem, fodder-based cropping system is recommended for cultivation.
- Spray 500 ml/acre of Novixid 3.25 OD (florpyrauxifen-benzyl 1.31%+ penoxsulam 1.2%) or 40 g/acre of Eketsu 43 WG (bispyribac 38 % + chlorimuron ethyl 2.5 % + metsulphuron methyl 2.5%) for control of weeds at 20-25 days of rice transplanting.
- Spray 40 g/acre of Eketsu 43 WG (bispyribac 38 % + chlorimuron ethyl 2.5% + metsulfuron methyl 2.5%) for control of weeds at 20-25 days after sowing in DSR.
- Management of pink bollworm with PB Knot based mating disruption technology (MDT) was approved for inclusion in POP for *kharif* crop in REC 299 held on 22.1.2024
- Management of whitefly with Clasto 20 % WG (Pyrifluquinazon) in cotton was approved for inclusion in POP for *kharif* crop in REC 299 held on 22.1.2024
- Management of planthoppers in basmati and non-basmati rice with Ecotine 5% (Azadirachtin 50 000 ppm) @ 80 ml/acre under organic and conventional farming conditions (REC 299 on 29.01.2024).
- Management of planthoppers in basmati and non-basmati rice with PAU Homemade neem extract @ 4 litre/acre under organic and conventional farming conditions (REC 299 on 29.01.2024).



## TEACHING

## AAU, Jorhat

## Open and Distance Learning

With the objective to democratize agricultural education and its skill irrespective of age, caste, class, gender and region, the Open and Distance Learning (ODL) mode of education was initiated by Assam Agricultural University (AAU-ODL) on 18 August 2022. It is expected that this new venture will help in offering education on agriculture holistically to them who could not access higher education due to life circumstances. As a part of academic curriculum, there are three levels of courses, viz. diploma courses of 1- year duration for professional graduates in agricultural sciences, certificate courses of 3-6 months duration for farmers, entrepreneurs, educated youths, rural women, etc., and the short-term courses of 14-45 days duration for them with minimum educational qualification up to class eight. In its first Academic Year 2023-24, in 27 courses 643 learners enrolled.



Vice Chancellor of AAU Dr Bidyut C. Deka with Faculties and The Learners of Honey Production Technology Course

## AU, Kota

## Kulpati-Vidhyarthi Samwad

Third Kulpati-Vidhyarthi Samwad was organized at Colleges of Agriculture, Ummedganj, Kota and Hindoli on 5, 20 April and 3 April 2024, respectively. The Vice Chancellor, Dr Abhay Kumar Vyas interacted with 208 students of B.Sc., M.Sc. and Ph.D. in Agriculture, and addressed on self-control, self-motivation, self-confidence, self-management, time management and aims of life. He also motivated the students towards their life goals and suggested how to achieve life goal in efficient way and encouraged them to foresee their career opportunities.



Dr A. K. Vyas Addressing the Students

## National Forestry Education Tour

**National Tour of B.Sc. (Hons.) Forestry IV year students:** A tour of 46 students of B.Sc. (Hons.) Forestry IV year was organized by College of Horticulture and Forestry, Jhalawar during 22-26 June 2024. Students visited institutions of Gujarat, Maharashtra, Daman and Madhya Pradesh like AAU, Anand, KVK Godhra, ICAR-Directorate of Medicinal and Aromatic Plant Research, Anand; Mangrove Forest, Daman and Bharuch; Botanical Garden,



Waghai; Vansada National Park; Tribal Handicraft Unit, Ahwa; Forestry College, Akola; Tiger Reserve, Khandwa; Forest of Ujjain and Vikram University, Ujjain, etc.

## IGKV, Raipur

### Student Educational Tour

Student educational tour for B.Sc. (Agri.) 3<sup>rd</sup> year of different colleges under the university conducted.



## Kerala Veterinary and Animal Sciences University (KVASU), Wayanad

### Study Abroad Program

The valedictory function for the Study Abroad Program jointly conducted by the University of Georgia (UGA) and Kerala Veterinary and Animal Sciences University (KVASU) was held at Joys Palace, Thrissur. This unique shadow program provided foreign students with the opportunity to observe routine laboratory investigations carried out in university clinical laboratories and veterinary hospitals, focusing on the diagnosis of tropical diseases in animals.

During the program, students interacted with faculty from both universities, discussing the various diseases diagnosed each day. The function commenced with a warm welcome from Dr Sam P. Kurup. The event was graced with felicitations by Dr Anil KS, Vice Chancellor, KVASU; Dr Sudheer Babu, Registrar, KVASU; Dr C. Latha, Director of Academics and Research; and Dr Rajeev TS, Director of Entrepreneurship. Dr Yana A. Cornish from UGA also felicitated the event, expressing gratitude and announcing plans for the next batch in 2026. Special acknowledgments were given to Dr Anoop, Nodal Officer of the Exchange Program and Dr Justin Davis K, the course co-ordinator of the study abroad program, for their significant contributions.

The event concluded with a heartfelt thank-you address by Mrs Tori, a teaching assistant from the University of Georgia. This collaborative program has provided invaluable observational experience and fostered a deeper understanding of tropical animal diseases, strengthening the academic bonds between UGA and KVASU.

## PAU, Ludhiana

- Lectures by Eminent Scientists from different Institutes/Organization/Universities were organized by Department of Agrometeorology for PG students of the department under the aegis of ICAR grants.

- The Department of Microbiology organized a reel making competition on the Theme Departmental Achievements covering Student Fellowships, Placements, Patents, Publications, Recommendations, etc., on 9 May 2024, and winners were felicitated.
- Creative model making competition was organized by Zoological Society, Department of Zoology, PAU, Ludhiana with the theme Best Out of Waste to celebrate World Environment Day on 5 June 2024.



## Professor Jayashankar Telangana State Agricultural University (PJ TSAU), Hyderabad

### Student Placements

Job Mela was conducted on 9 May 2024 at College of Community Science, Saifabad, Hyderabad. Students (55) and 21 Job providers took part actively in the Mela. Thirty students of the College were selected for the posts of Dietician, Science Teacher, Art and Craft Teacher, Lecturer, Health Coach, Art Designer, Tie and Dye artist and Asst. Designer in various Organizations/Institutions. Seven students of College of Agriculture, Rajendranagar were selected for the posts of Marketing Manager, Crop Health Expert and Graduate Trainee in various firms.

### Visit by International Faculty

Professors of School of Agro-Industry, Mae Fah Luang University, Thailand, visited the Professor Jayashankar Telangana State Agricultural University (PJ TSAU) on 25 June 2024, and interacted with Dr P. Raghu Rami Reddy, Director of Research and Registrar, PJ TSAU and University Officers. Professors Team, Mae Fah Luang University explained about the academic programs, opportunities in post-harvest technology, food science and technology in fruits and vegetables undertaken by the University. University Officers discussed on exchange of students, faculties and academic programmes in cooperation. University Officers, Head of Innovation Hub and Digital Agriculture of ICRISAT, Dr R. Srikanth and others participated in the programme.



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

- SKUAST-Jammu has adopted paperless external thesis evaluation.
- Industrial visit for the students of SKUAST-Jammu was organized on 21 June 2024 in which students visited M/s Anantjeet Nutrimentals LLP (Haldiram Pvt. Ltd), SIDCO Industrial Complex, Bari Brahmana, Samba.

- Different Management Activities for the students of Agri-Business Management, SKUAST-J were organized like:
  - Case Studies
  - Business Quizzes
  - Ad Making Activities
- Vice Chancellor, Dr B. N. Tripathi interacted with farmers and Rural Agricultural Work Experience (RAWE) students (Batch-2020) at RAWE adopted Village Kotli Mian Fateh, Miran Sahib, Jammu on 30 April 2024.



## UAS, Bengaluru

- Established Seed Health Testing Laboratory' at Department of Plant Pathology, College of Agriculture, GKVK on 18 April 2024.
- Department of Agricultural Extension, College of Agriculture, GKVK organized Photo Exhibition on 29 May 2024 through Hands on Training Students of Final year B.Sc. (Hons.) Agriculture at North Block Corridor. Over 400 farmers, teachers and students participated in the photo exhibition where 146 photographs were displayed.
- College of Agriculture, GKVK, Bengaluru conducted Finishing School Programme for 398 students which include nine different modules of HoT. The programme covered 12 various topics from 29 April 2024 to 06 June 2024.
- College of Agriculture, GKVK conducted Practical Test for children of agriculturists under Agriculturists Quota in respect of admissions to undergraduate degree programme of State Agricultural/ Horticultural/ Animal Sciences Universities at different centres including GKVK, Mandya and Hassan Campus on 25 May 2024.

## EVENTS and ACTIVITIES

### AAU, Jorhat

#### 24<sup>th</sup> Convocation

The Assam Agricultural University (AAU) celebrated its 56<sup>th</sup> foundation day along with holding the 24<sup>th</sup> Convocation at its Jorhat campus on 01 April 2024. Secretary, DARE and Director General, ICAR Dr Himanshu Pathak, while delivering the foundation day and convocation address as the Chief Guest, said that a university is evaluated on the quality of students. 'Improving the quality of education and students means that a university has moved forward. Therefore, it is important to understand that improvement of agricultural education will translate into improvement of agricultural production, research, etc., and the agricultural sector will become a greater partner in the development of the country as a whole.'



Dr Himanshu Pathak, Secretary, DARE and Director General, ICAR and Dr Bidyut C. Deka, Vice Chancellor, AAU attending the 24<sup>th</sup> Convocation

Dr Bidyut Chandan Deka, Vice Chancellor, AAU, in his welcome address, highlighted the contribution of AAU in agricultural education, research and extension in the country, and said that AAU has kept pace with the increasing need for innovation. The convocation ceremony was attended by 1,120 students from nine constituent colleges of the University, who received degrees in bachelor, master and Ph.D. courses.

### Customized Trainings for Extension Functionaries

A 15-day training on Integrated Nutrient Management in Field Crops with Nano Urea Incorporation, was organized by Department of Agronomy, AAU, Jorhat during 16-31 May 2024 in collaboration with Directorate of Open and Distance Education (ODL), AAU, Guwahati, and ICAR-ATTARI, Zone-VII, Meghalaya. KVK personnel (25) including SMS and Farm Manager from different KVKs of North Eastern states, viz., Nagaland, Manipur, Mizoram, Tripura, Meghalaya participated in the programme.

## AU, Kota

### 7<sup>th</sup> Convocation

Agriculture University, Kota organised its Seventh Convocation on 25 June 2024. The H'E Governor of Rajasthan and Chancellor of the University, Shri Kalraj Mishra chaired the convocation and awarded degree to 271 Bachelors, 34 Masters and 5 Ph.D. students, including 10 gold medals for the academic session 2022-23 in the faculties of agriculture, horticulture and forestry. He advised the students that they should use the knowledge, education and research received from the university with dedication not only for yourself but also for the development of the society and the nation. Prof. Panjab Singh, Chancellor, Rani Laxmi Bai Central Agricultural University, Jhansi and Former, Secretary, DARE and Director General, ICAR was the convocation guest. On this occasion, the Chancellor, released two booklets namely, *Successful Agripreneurs* and *Improved Agricultural Technologies: A Decade*. Besides, four new crop varieties; Kota Deshi Chana 2, Kota Deshi Chana 3, Kota Kabuli Chana 4, and Kota Urd 6 were released. Two Seed Processing Units, Common Incubation Centre, and air-conditioned Seed Godown with dehumidifier also inaugurated. Dr Abhay Kumar Vyas, Vice Chancellor welcomed the guests and presented the progress report of the university.



Glimpses of Convocation

## CCSHAU, Hisar

### Training

Department of Entomology, CCSHAU, Hisar organized 36<sup>th</sup> advanced training course on Recent Advances in Ecofriendly Management of Crop Pests from 24 January to 13 February 2024 under Centre for Advanced Faculty Training (CAFT) for the scientists of SAUs and ICAR Institutes.

Participants Listening to the Chief Guest at the Inaugural Function



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

- The 2-day workshop on Natural Farming and its importance in the Changing Climate Scenario, was held during 20-21 April 2024. The workshop was inaugurated by H'E Governor of Bihar, Shri Rajendra Vishwanath Arlekar. During this event, the inauguration of the Constitution Park and the B.Sc. Agri. (Hons.) Natural Farming course at the university also took place. Distinguished guests included Mr Dinesh Kulkarni, Akhil Bharatiya Sanghtan Mantri, Bharatiya Kisan Sangh; Dr A.K. Singh, Vice Chancellor, Rani Lakshmi Bai Central Agricultural University, Jhansi; Dr R. S. Chandel, Vice Chancellor, YSP University of Horticulture and Forestry, Solan; Dr C.K. Timbadia, Vice Chancellor, Gujarat Natural Farming and Organic Agriculture University, Anand; Mr Atul Jain, General Secretary, Deen Dayal Research Institute, New Delhi; Dr B.S. Dwivedi, Member, Agricultural Scientists Recruitment Board; Dr Vandana Dwivedi, former Additional Commissioner, Government of India; along with over a hundred agricultural scientists from across India, university officials, and farmers practicing natural farming.


- The PG Students Conclave-2024 was held on 28 April 2024, at Vidyapati Auditorium, RPCAU, Pusa. The event was graced by the Chief Guest, Dr N.S. Rathore, former Vice Chancellor of MPUAT, Udaipur, and former DDG, Agricultural Education, ICAR, New Delhi. The inaugural session of the Conclave-2024 was presided over by Dr P.S. Pandey, Vice Chancellor of RPCAU, Pusa. During the opening session, Dr Mayank Rai, Dean of PGCA, Dr A.K. Singh, Dr U.K. Behera, DoE of RPCAU, Pusa, along with university officials, faculty members, 173 PG and Ph.D. students, and other dignitaries were present.


- On the occasion of Environment Day on 5 June 2024, the Vice Chancellor, Dr P. S. Pandey, called upon the students, faculty members, officials, and staff of the university to plant trees. On this occasion, he gave the slogan 'My Tree, My University', under which everyone in the university is to plant and take care of a tree. He also mentioned that all trees would be GI tagged. The Vice Chancellor emphasized the need to stay aware of the changing environmental conditions, for which planting trees, conserving water, and minimizing the use of polythene should be incorporated into our daily routines.


- On 8-9 June 2024, a two-day national workshop was organized at RPCAU under the joint auspices of the university and the Indian Agro-Economic Research Centre, New Delhi. The theme of the workshop was 'जलवायु परिवर्तन के परिदृश्य में पारंपरिक ज्ञान तथा आधुनिक दृष्टिकोण से भारतीय कृषि'. The Chief Guest of this workshop was Dr Dinesh Dattatreya Kulkarni, All India Organization Minister, Bharatiya Kisan Sangh, New Delhi along with Dr



Makarand Karkare, Secretary-General, Indian Agro-Economic Research Centre, New Delhi, and the Center's Chairman, Mr Pramod Kumar Choudhary.

- A workshop on 'Implementation and Development of SWAYAM MOOCs and Blended Learning Courses in Universities' was inaugurated on 12 June 2024 by Vice Chancellor, Dr P.S. Pandey in the gracious presence of Dr G.R. Ramakrishna Murthy, ESMD, National Academy of Agricultural Research Management, Hyderabad and Mr Shib Shankar Das, Centre for Educational Technology, IIT, Kharagpur.



- A sensitization workshop on 'How to Write and Cite Good Scientific Papers' was organized on 20 June 2024 for faculties and scholars of Dr Rajendra Prasad Central Agricultural University, Pusa, featuring insightful talks by eminent experts in the field such as Dr Aruna T. Kumar, former Chief Editor, DKMA, ICAR; Dr Sridhar Gautam, Principal Scientist, ICAR-Indian Institute of Horticultural Research, Bengaluru; and Dr G. Rathinasabapathy, University Librarian, TANUVAS, Chennai. The event was inaugurated in the gracious presence of Registrar, Director Research, Director Education along with other Deans and Directors, Faculties and Scholars of the University.



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

- Meeting of Zonal Research and Extension Advisory Council (ZREAC) a platform comprising the university officers, scientists, horticulture department officers and farmers from each district under respective zone was organized under the chairmanship of Dr T. Janakiram, Vice Chancellor, Dr YSRHU for Coastal and Rayalaseema zones on 21 and 24 May 2024, respectively, in virtual mode. Chairman Dr T. Janakiram and Co-chairmen Dr E. Karuna Sree, Director of Extension, and Dr L. Naram Naidu, Director of Research, Dr YSRHU. Shri M. Venkateswarulu and Shri K. Balaji Naik, Additional Directors of Horticulture, Department of Horticulture, Andhra Pradesh participated and discussed the issues that need immediate attention.
- ICAR-ATARI-X- NIRCA, Rajamahendravaram and Dr YSRHU jointly organized a 3-day Annual Zonal Workshop-2024 of KVKs of Zone X at ICAR-CTRI (NIRCA) Rajamahendravaram during 25-27 June 2024. Dr U. S. Gautam, DDG Agricultural Extension, ICAR, New Delhi, Dr S. N. Meera, Director, ICAR-ATARI-10, Hyderabad and Dr T. Janakiram, Vice Chancellor, Dr YSRHU attended the inaugural session and initiated the workshop. Dr E. Karuna Sree, Director of Extension, Dr YSRHU presented the achievements of Tribal Sub Plan Project and its



ZREAC Meeting



Annual Zonal Workshop, 2024 of KVKs of Zone X

impact in West Godavari District. The Heads of 72 KVKs working in the states of Andhra Pradesh, Telangana, Tamil Nadu and Pondicherry participated and presented the programs conducted in the year 2023-24. Awards were given based on the performance of KVKs in various categories.

## IGKV, Raipur

### National Mango Festival

A 3-day National Mango Festival was organized at IGKV from 12-14 June 2024 jointly by Indira Gandhi Krishi Vishwavidyalaya, Directorate of Horticulture and Forestry and NGO Prakritiki Oar Society. Shri Ramvihar Netam, Agriculture Minister, Government of Chhattisgarh inaugurated the programme on 12 June 2024 as Chief Guest. Addressing the audience, he said that the mango is the king of fruits, and is special for the health of all of us, even more special is the farmer who has produced this mango. On this occasion, Shri Netam honored the outstanding farmers by presenting mango saplings.

Shri Netam further said that the soil here has the capacity to produce foreign varieties of mangoes as well. Giving the example of Japan's most valuable mango Miyasaki and Chhattisgarh's famous sweet and juicy mango Hathi Jhhul, he said that this soil has the capacity to produce both types of mangoes.

Presiding over the programme Dr Girish Chandel, Vice Chancellor said that in this three-day National Mango Festival organized by the Agricultural University, 327 varieties of mangoes from different states of the country including Chhattisgarh, like Baiganfly, Sindoori, Kajli, Gopalbhog, Chaunsa, Khajri Chaunsa, Sharbati, Khusnara, Apple Mango, Nazuk Badan, Mithua, Alfansi, Amrapali, Bengal (Langda), Thai Banana of Thailand, Miyasaki of Japan, Saisugandh, Mallika, Dussehri, Totapuri, Hathi Jhhul of Bastar were displayed. Along with this, 56 mango dishes prepared by the scientists and students of the Agricultural University were also displayed. He said that during the Mango Festival, a Krishak Pathshaala is also being organized to learn about the advanced techniques of mango production and to solve the problems faced in mango production.



Dignitaries releasing a Publication



A Popular Mango Variety of District Bijapur Hathi Jhul (Approx. 3.5 kg) Gained Popularity during Mango Festival

## JAU, Junagadh

### Paradigm and Dynamics of Digital Horticulture for Food, Nutrition, and Entrepreneurship

The National Conference on the Paradigm and Dynamics of Digital Horticulture for Food, Nutrition and Entrepreneurship, was organized by the Lt. Amit Singh Memorial Foundation, New Delhi, in collaboration with Junagadh Agricultural University, Junagadh, from 28-31 May 2024. The event was a grand success dotted with extensive knowledge exchange with the participation of



scientists, academics, policymakers, and farmers from across the country. The inaugural session of the conference was chaired by Dr V. P. Chovatia, Vice Chancellor, JAU, whereas Dr Sanjay Kumar, Chairman, ASRB, New Delhi; Dr U. S. Gautam, DDG (Agri. Ext.), ICAR, New Delhi; Dr Ashok Dalwai, IAS (Retd.) and CEO, NRAA, New Delhi; Dr A. R. Pathak, former VC, JAU and NAU; Dr S. K. Malhotra, VC, MPHU, Karnal; Dr Neeraja Prabhakar, VC, SKLTSHU, Mulugu; Dr D. R. Singh, VC, BAU, Sabour; Dr P. S. Pandey, VC, RPCAU, Pusa, Samastipur; Dr H. P. Singh, former DDG and Chairman CHAI, New Delhi; and Shri R. G. Agrawal, Founder Chairman, Dhanuka Agritech Ltd., Gurgaon graced the occasion as Special Guests.

The conference featured 11 technical sessions and three workshops, focusing on horticultural extension, coconut and mango cultivation. Nine plenary lectures on digital horticulture and nine technical sessions on topics like climate change management and digital applications in horticulture were the major highlights.

Overall, the event saw 55 keynote addresses and 78 presentations. As a part of the conference, the International Day of Potato was observed on 20 May 2024. The birthday of the Kesar mango was also celebrated with the arrangement of a mango-eating competition. Dr D. K. Varu, Principal and Dean, CoH, JAU, Junagadh, served as the organizing secretary of the event.



Glimpses of Conference

## KVASU, Wayanad

### 14<sup>th</sup> Foundation Day Celebration of KVASU - 'Niravu@14'

Kerala Veterinary and Animal Sciences University's 14<sup>th</sup> Foundation Day celebration- 'Niravu@14' - was held at the Kolahalamedu campus in Vagamon with elaborate programmes.

University celebrated this foundation day by dedicating 14 projects to the nation for the betterment of those involved in animal husbandry and farmers in the state. The dedication of the said projects and the inauguration of the 14<sup>th</sup> Foundation Day celebrations was done by the State Minister of Animal Husbandry and Dairy Development and the University Pro-Chancellor Mrs. J. Chinjurani. Peerumedu M. L. A. Shri Vazhur Soman presided over the function. University Registrar Dr P. Sudheerbabu welcomed all Vice Chancellor, Dr Anil K. S. delivered the keynote address. The Director of Academics and Research, Dr C. Latha and the Director of Entrepreneurship Dr T. S. Rajeev presented the reports. Kolahalamedu Base Farm Associate Professor and Head Dr Nicy Thomas gave the vote of thanks.

## Ouat, Bhubaneswar

### State Level Research and Extension Council Meeting 2024-25

State level Research and Extension Council meeting 2024-25, the apex level council for reviewing and finalizing the research and extension accomplishments and action plan, was held at the OUAT headquarters from 27-29 May 2024 with participation of more than 400 researchers,



extension scientists, line department and ICAR institute officials, faculties and students of the University.

### Annual Group Meet of AICRP on Weed Management

The 31<sup>st</sup> Annual Group Meet of All India Coordinated Research Project on Weed Management was successfully held at OUAT, Bhubaneswar, during 19-21 June, 2024 and the AICRP centre of OUAT received appreciation for the innovative approach of publishing *Weed Atlas of the State of Odisha*.

### PAU, Ludhiana

- A workshop was organized on Advances in Genome Editing Tools at School of Agricultural Biotechnology, by Fulbright specialist Professor Bing Yang, University of Missouri, Columbia, USA During 22 April - 1 May 2024.
- A 5-day training Course on Preparation of Natural Vinegar, Low-alcoholic Naturally Carbonated Beverages and Lacto Fermented Pickles, for farmers and farm women from 20-24 May 2024 was organized by Skill Development Centre at PAU, Ludhiana.

### PJTSAU, Hyderabad

#### 6<sup>th</sup> Convocation

The 6<sup>th</sup> Convocation of Professor Jayashankar Telangana State Agricultural University was successfully held on 10 June 2024 at the University Auditorium. Shri C.P. Radha Krishanan, H'E Governor of Telangana and the Chancellor of PJTSAU presided over the convocation proceedings, and addressed about the importance of agriculture in the present context, and said that it cannot be undermined since agriculture is the basis of all culture. He further urged the young graduates who received their degrees to focus on how to minimize the usage of water, increasing the productivity and equip themselves to address the agricultural problems for serving the farming community in a better way.

Shri Challa Sreenivasulu Setty, Managing Director, State Bank of India, Mumbai, has participated as Chief Guest of the programme and delivered the convocation address. He said that SBI is opening exclusive start up branches to encourage more agri-entrepreneurs to emerge. He also stressed that young students shall indeed aim to become job creators and not job seekers.

On this occasion, Vice Chancellor, Shri M. Raghunandan Rao, IAS, APC and Principal Secretary, Government of Telangana, briefed about the university progress and accomplishments in the area of Teaching, Research and Extension during 2020-2021. A total of 752 students including Ph.D., PG and UG received



their degrees. Gold Medals were distributed to the students who were outstanding in their academics. Dr P. Raghu Rami Reddy, Registrar, University Officers, former Vice Chancellors, Academic Council Members, Board of Management, former Deans and Directors, students participated in the programme.

### Annual Maize Workshop-2024

Maize Research Center, PJTSAU in association with ICAR-Indian Institute of Maize Research, Ludhiana jointly organized 67<sup>th</sup> Annual Maize Workshop-2024 at University Auditorium, PJTSAU, Rajendranagar, Hyderabad from 8-10 May 2024. In this workshop, Dr P. Raghu Rami Reddy, Registrar, PJTSAU, Dr S. K. Pradhan, ADG (FFC), ICAR, Dr Sain Dass, Chairman (PA and MC), Dr H. S. Jat, Director, ICAR-IIMR, Ludhiana and scientists working at various maize research centres in India, discussed the research results of last year and plans for future research. Officials from ICAR, 140 Maize scientists from 32 research centres, heads of 120 private institutions and officials of the Agricultural University participated in the programme.



Glimpses of Maize Workshop

### Buyers and Sellers Meet

Extension Education Institute, Rajendranagar, has organized 2-day Buyers and Sellers Meet – II and III under the NABARD project on Strengthening of FPOs through Good Agricultural Practices (GAP) on 21-22 May 2024. Dr P. Raghu Rami Reddy, Director of Research and Registrar, PJTSAU, was the Chief Guest of inaugural programme. Shri G. Lakshmi Bai, Director of Marketing and Agriculture, TS Government, also participated. Dr Seema, Dean of Agriculture, Dr V. Sudha Rani, Director of Extension, Dr M. Jagan Mohan Reddy, Director of Extension, Dr Raman Meenakshi Sundaram, Director, ICAR-IIRR, Hyderabad, M. Vinay Kumar, NABARD Representative, Dr K. Madhu Babu, Project Principal Investigator, and Farmer Producer Organizations (FPOs) from the combined districts of Nalgonda and Mahabubnagar participated in the programme.



### Seed Mela

PJTSAU organized the Annual Seed Mela 2024 at the University Campus Rajendranagar, Hyderabad and at constituent Research Stations and KVKs on 24 May 2024.



University Officers, large number of farmers, scientists, and students participated in the Seed Mela. An exhibition-cum-sale was also organized on the occasion. The University as a whole distributed

paddy, redgram, greengram, blackgram, safflower, soybean and maize seed of (worth ₹ 15,816,171) to 7,027 farmers.

### Visit by IAS Officer Trainees

Five Probationary IAS Officer Trainees of Batch 2023 allotted to Telangana State cadre along with a nodal officer visited the PJTSAU, Rajendranagar on 13 June 2024 and interacted with Dr P. Raghu Rami Reddy, Registrar, PJTSAU and University Officers. The University Registrar explained the university activities being taken up in the area of teaching, research and extension. They also visited certain research units of the University as a part of the study tour.



IAS, Officer Trainees and PJTSAU, Officials

## Swami Keshwanand Rajasthan Agricultural University (SKRAU), Bikaner

### 20<sup>th</sup> Convocation



Glimpses of Convocation

The 20<sup>th</sup> Convocation of the University was held on 11 June 2024 with the gracious presence of H'E Chancellor and Governor of Rajasthan, Shri Kalraj Mishra. A total of 1569 students were awarded degrees who passed UG, PG and Ph.D. examinations in the faculties of Agriculture, Community Science and Agri Business Management during July 2022 to December 2023. Shri Kalraj Mishra inaugurated Constitution Park, Dr M. S. Swaminathan Hostel and Higher Reservoir, during his dignified presence in the University on this day. He also waved off green flag to the University *Krishi Gyan Rath* for spreading scientific knowledge among farming community through this mobile van.



Glimpses of other Activities during Convocation Day

## SKAUST-J, Jammu

### Training Programmes Organized are as follows:

- Fifteen days certificate course on Integrated Nutrient Management for Input Dealers by KVK Jammu from 29 April to 15 May 2024. A total of 52 participants attended the programme.



- Eight-day training programme on Marketing and Business Opportunities for Horticultural Crops in UT of J&K, sponsored by CSS-NIAM, Jaipur organized by KVK Jammu from 21-29 April 2024. A total of 36 participants attended the programme.
- One month skill development trainings were imparted to the farmers in different courses in line with Daksh Kisan initiative under the Holistic Agriculture Development Programme by KVK, Poonch from 1 April to 30 June 2024.; and 156 farmers attended the programme.



- KVK, Poonch in collaboration with Rural Self Employment Training Institute imparted 30-day tailoring and crafting training for women self-help group from 21 March to 21 April 2024; and 32 women attended the training programme.
- A 7-day Training programme for 84 RAWE students of SKUAST-Jammu at KVK, Kathua from 21-27 May 2024.



- Agri-entrepreneurship training programmes were conducted for 7<sup>th</sup> batch of incubatees at Agri-Business Incubation Centre, SKUAST-Jammu from 19 March-25 April, 2024. The valedictory function for the same was conducted on 25 April 2024 under the chairmanship of Vice Chancellor, SKUAST-J, Prof. B.N. Tripathi wherein certificates were distributed to incubatees for the successful completion of the programme.



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

### **Training**

- TANUVAS organized Federation of European Laboratory Animal Science Associations (FELASA) accredited 10-day training programme on Certificate Course in Laboratory Animal Sciences (CCLAS) from 18-28 June 2024 at Laboratory Animal Medicine Unit, Directorate of Centre for Animal Health Studies, Madhavaram Milk Colony, Chennai.



**FELASA accredited Training in Laboratory Animal Sciences – Directorate of Centre for Animal Health Studies**

### National Conference

- A National conference on 'VET SPARKS 2024' was organized by VIF@TANUVAS from 11-13 June 2024 at Madras Veterinary College, Chennai, benefitting 161 participants.

Glimpses of Conference



### UAS, Bengaluru

### Training Programme on Seed Production Techniques and Job/Business Opportunities in Seed Industries

Placement Cell, College of Agriculture, Hassan in collaboration with Penna Group of Companies, Hyderabad organized 1-week online training programme on Seed Production Techniques and Job/Business Opportunities in Seed Industries for students and alumnus of the College from 20-28 May 2024. The experts from many institutes/ organizations including Agri-entrepreneurs conducted the programme. As a part of the programme valedictory and certificate distribution programme was organized on 28 May 2024 at College of Agriculture, Hassan. The programme was presided by Dr Muniswamy Gowda, K.N, Dean (Agric.), College of Agriculture, Hassan and was inaugurated by Dr Manjunath L, Former Dean (Agric.), College of Agriculture, Hassan.



Glimpses of the Training Programme

### Kharif Campaign

The *Kharif* Technical Campaign-2024 was organized on 12 June 2024 in seven KVKs and EEU, Naganahalli, Agricultural Research Stations, Constituent Colleges of Agriculture/Sericulture involving research/ teaching



wings, Developmental Departments and organizations such as NABARD, IFFCO, Multiplex Drone Pvt. Ltd., MCF, NETAFIM, TATA Rallis, FPO and NGOs. The main objective of the programme was to create awareness on newly released varieties/ technologies from the University and sale of critical inputs to facilitate adoption of technologies by the farmers during the season. A total of 2,325 farmers benefited through 34 technical and 12 scientists farmers' interaction sessions.

### Novel Bakery Products – Exhibition-cum-Sale

The Institute organized an event on Novel bakery Products– Exhibition-cum-Sale by 14-week Bakery Technology students (73<sup>rd</sup> Batch) on 22 June 2024 at College of Agriculture, UAS, Bengaluru as a part of fourteen weeks certificate course on Bakery Technology to ensure overall exposure of

preparation, pricing and marketing of bakery products. The programme was inaugurated by Agriculture Minister Shri N. Chaluvarya Swamy, Government of Karnataka and Dr S. V. Suresha, Vice Chancellor, UAS, Bengaluru by cutting decorated cake and presided by other dignitaries: Dr N. B. Prakash, Dean (Agri.), Dr Madhu Prasad, Director of Extension, Mrs Prathiba M S, Administrative officer, and other officials on the occasion. The trainees expressed that they are confident of handling and preparation of the bakery products as a business on their own. Seventeen participants exhibited their unique bakery products.

More than 80 novel products and around 20 types of special cakes were displayed and sold by the participants. A turnover of more than ₹ 50,000 was generated by them, and more than 15,000 visitors viewed this exhibition and encouraged the participants. The students gained the practical experience of skills related to preparation and selling of their products, thereby increased their self-confidence.

### University Organized Products Santhe on 22 June 2024

To create awareness on the activities and products of UAS, Bengaluru among the Public and Farmers, 'University of Agricultural Sciences, Bengaluru Products Santhe' was organized on 22 June 2024 at GKVK Campus, Bengaluru. The Programme was inaugurated by Shri N. Chaluvarya Swamy, Minister of Agriculture, Government of Karnataka and Pro-chancellor, UAS, Bengaluru. The Minister congratulated the University for organizing the Santhe for the first time in the history of Agricultural Universities of the State, and said that the general public especially farmers will take advantage of this innovative programme. The event provided single platform to showcase the Products / Varieties developed by UAS, Bengaluru and promoted by Self-help groups such as Seeds, Horticulture, Aromatic and Medicinal Plants, Bio-Pesticides, Bio-Fertilizers, Agricultural Implements, Vermicompost, Organic Jaggery, Honey, Value added products of Silkworm Cocoons and Banana plants, Rajmudi Rice, Organic Ragi and Coconut Oil, Handmade Scented Soaps and Face Creams, Vegetable Seeds Packets, Jackfruit and its Products, Value Added Products of Millets, Nutritional Laddu, Bakery Products, Ready-to-cook powders / mixtures, Pickles etc., were the main attraction. The program was chaired by Dr S.V. Suresha, Vice Chancellor, University of Agricultural Sciences, Bengaluru. In his address, the Vice Chancellor expressed that the UAS, Bengaluru has developed 485 technologies and 328 varieties in its long span of six decades. All these varieties are still popular among the farmers of the country and have played a crucial role in increasing the overall agricultural production of the state. In addition, many improved varieties developed by the university have crossed state and national boundaries and more than 400 quintals of sunflower seeds have been exported to African countries, especially Uganda, through the East African Seed Company Limited. Maize, paddy, millets, sorghum, pulses seeds were supplied to Andhra Pradesh, Bihar, Chhattisgarh, Gujarat, Madhya Pradesh, Maharashtra, Odisha, Tamil Nadu, Telangana, Tripura and West Bengal. More than 15,000 farmers benefitted in the programme. On this occasion, Board of Management Members, Officers, Teachers, Students and Staff of the Agricultural University also participated, and contributed to the success of the programme. A turnover of ₹922,833 was realized during UAS-B Product Santhe.



## MoUs

## AAU, Jorhat

- On 01 June 2024 a Memorandum of Understanding (MoU) was signed between College of Veterinary Science (CVSc), AAU, Khanapara, Guwahati and World Wide Fund (WWF) for Nature, India. Dr Bibeka Nanda Saikia, Dean, CVSc, Khanapara and Mr Saurav De, Director Programme Operations and Finance, WWF-India signed the MoU. As per the MoU, the two parties agreed to collaborate on various important issues (collaborative research, manpower training and joint publication, etc.) pertaining to wildlife in Assam for three years.



Officials of CVSc, AAU Khanapara and WWF-India on the Occasion of Signing the MoU

Besides, AAU also signed following MoUs:

- With SLNA, WDC-PMKSY, Assam on Land Resource Inventory for 1 year.
- With TERI, New Delhi and ReNew Energy, Gurgaon on Carbon Finance Potential Project for 5 years.
- With Phukan Heritage Breweries on Transfer of technology on Standardization and Commercialization of Xaaj Pani for 5 years.
- With AGR Pioneer Seeds Pvt. Ltd on Production and marketing of AAU Developed Rice Varieties for 3 years.
- With R2W Bio-Solutions and Engineering Pvt. Ltd on Transfer of technology on Beverage Powder from Elephant Apple Juice for 5 years.
- With Nilanchal Seeds Grower Society, Guwahati on Production and marketing of AAU Developed Crop Varieties for 3 years.
- With Aryan Biogenetics, Guwahati on Production and marketing of AAU Developed 3 Paddy Varieties (Ranjit, Ranjit Sub 1, Bahadur Sub 1) for 1 year.

## AU, Kota

Agriculture University, Kota signed following six MOUs with different organizations:

- MoU with Jagannath University, Jaipur: A strategic partnership agreement signed between Agriculture University, Kota and Jagannath University, Jaipur for cooperation in education, research and extension for a period of five years.

Vice Chancellor, AU, Kota and Officials of JAU at MoU Signing Ceremony





- MoU with Dhanuka Agritech Pvt. Ltd., New Delhi: A strategic partnership agreement signed between Agriculture University, Kota and Dhanuka Agritech Pvt. Ltd., New Delhi for cooperation in research and extension field for three years.
- MoU with Shriramshantaye Organic Agriculture Research and Training Centre, Kota: A strategic partnership agreement signed between Agriculture University, Kota and Shriramshantaye Organic Agriculture Research and Training Centre, Kota for cooperation in research and extension for five years.
- MoU with RSRDC Ltd. Jaipur: A strategic partnership agreement signed between Agriculture University, Kota and Rajasthan State Road Development Corporation Ltd. Jaipur (Kota Unit) for building construction works at College of Agriculture, Kota.
- MoU with RSAMB, Jaipur: A strategic partnership agreement signed between Agriculture University, Kota and Rajasthan State Agricultural Marketing Board, Jaipur for building construction works at College of Agriculture, Hindoli (Bundi).
- MoU with Y.S. Parmar University of Horticulture and Forestry, Solan (H.P.): A strategic partnership agreement signed between Agriculture University, Kota and Y.S. Parmar University of Horticulture and forestry, Solan, Himachal Pradesh for cooperation in education, research and extension for five years.



## OUAT, Bhubaneswar

OUAT signed the following MoUs:

- With SAC, Ahmedabad to accelerate the progress of academic, research, training and outreach activities in Agriculture and allied sectors; Geo-sciences; Environment and Climate Change on 03 April 2024 for three years.
- With IIT, Bhubaneswar, for exchange of students and scientists, sharing technologies of mutual interest and implementation of collaborative research projects on latest technologies including AI and Robotics in agriculture on 27 June 2024 for five years.
- With ICAR-Indian Institute of Rice Research, Hyderabad for exchange of students for academic, research and training purposes on 27 June 2024 for three years.



## PJTSAU, Hyderabad

Below mentioned MoUs were signed and exchanged between PJTSAU and -

- Cornell Sathguru foundation on 12 June 2024 for Five Years (2024 to 2029).
- Kerala Agricultural University, Kerala for collaboration in Ph.D. programs in the faculty of Agriculture and Agricultural Engineering on 28 June 2024.
- ICAR–National Bureau of Plant Generic Resources (NBPGR), New Delhi for collaborative Research and Educational programmes on 29 May 2024 at ICAR – NBPGR, Regional Station, Hyderabad.



Officials from NBPGR and PJTSAU at MoU signing Ceremony

## SKUAST-J, Jammu

- SKUAST-J signed MoU with ICRISAT for 5 years from 2 April 2024 to 1 April 2029.
- SKUAST-J signed MoU with LJK Economic Growth and Development Dialogue (LEAD) for 5 years from 10 May 2024 to 9 May 2029.

## TANUVAS, Chennai

- TANUVAS executed MoU with Brooke Hospital for Animals, Noida to provide training on equine health management and animal welfare to veterinary intern students of TANUVAS on 29 June 2024.

Exchange of MoU between TANUVAS, Chennai and Brooke Hospital for Animals, Noida



## Tamil Nadu Agricultural University (TNAU), Coimbatore

### TNAU inks MoU with Kyung Hee University, South Korea

TNAU's Department of Food Process Engineering took an initiative in signing International Memorandum of Understanding (MoU) with Kyung Hee University, South Korea on 05 April 2024, in the presence of the Dr V. Geethalakshmi, Vice Chancellor, Dr R. Thamizh Vendhan, Registrar; Dr A. Raviraj, Dean (Agricultural Engineering College and Research Institute); Dr N. Senthil, Dean (School of Post Graduate Studies) and Dr M. Balakrishnan, Professor and Head, Department of Food Process Engineering for five years. The international memorandum was made for opening up avenues in research linkages for faculty and student exchange especially in Advanced Food Process Engineering and Food Packaging.



TNAU inks MoU with Kyung Hee University, South Korea

### MoU between TNAU and Vanguard Exports, Coimbatore

The Department of Floriculture and Landscape Architecture, Horticultural College and Research Institute, Coimbatore facilitated signing of a Memorandum of Understanding (MoU) between TNAU and Vanguard Exports, Coimbatore on 18 June 2024 for three years in the presence of the Vice Chancellor, Dr V. Geethalakshmi, the Registrar, Dr R. Thamizh Vendhan, the Dean (Horticulture), Dr P. Irene Vethamoni and the Professor and Head of the Department of Floriculture and Landscape Architecture, Dr M. Ganga from the University and the Proprietor of M/s. Vanguard Exports, Mr K. Sethumadhavan. M/s Vanguard Exports, a leading export of jasmine and tuberose flowers to many countries including the US, had collaborated with the Department of Floriculture and Landscape Architecture, HC&RI, TNAU in the World Bank funded NAIP project implemented at TNAU during 2008 to 2014. This research collaboration led to standardization of an improved export packaging technology for jasmine flowers. The present MoU was signed for opening up research linkages in *Jasminum sambac* cultivation, pre-



MoU between TNAU and Vanguard Exports, Coimbatore

and post-harvest handling and packaging methods through Doctoral student research fellowship in floriculture.

### MoU signed between ICAR– CTCRI, Thiruvananthapuram, Kerala, and Horticultural College and Research Institute, TNAU, Coimbatore

A Memorandum of Understanding was signed between ICAR–CTCRI, Thiruvananthapuram, Kerala and Horticultural College and Research Institute, TNAU, Coimbatore on 20 June 2024 for undertaking collaborative programmes on various aspects viz., (i) Human Resource Development through Education, (ii) Research and Development of all crops including tuber crops, and (iii) Dissemination of proven technologies developed through research.



MoU signed between ICAR–CTCRI, Thiruvananthapuram and HC&RI, TNAU, Coimbatore

### MoU signed between DODL, TNAU and SaiKirupa Special School, Tirupur

The Directorate of Open and Distance Learning (DODL), TNAU is conducting Certificate Courses, Diploma Programmes and Online Courses on Agriculture/Horticulture and allied subjects through ODL mode. The Founder and Director, SaiKirupa Special School, Vallipuram, Perumanallur, Tirupur requested the Director, DODL, TNAU to offer certificate courses to special-need-children. In this regard, a Memorandum of Understanding between TNAU and SaiKirupa Special School was signed on 20 June 2024 for five years. Dr P. Balasubramaniam, Director, DODL, TNAU, Coimbatore organized the MoU signing ceremony and the MoU was signed by Dr R. Tamizh Vendhan, Registrar, TNAU, Coimbatore and Dr Kavin Thirumurugan, Founder and Director, SaiKirupa Special School in presence of Vice Chancellor, TNAU. The Certificate Course on Nursery Techniques and Propagation of Horticultural Crops will be started at SaiKirupa School, Tirupur, for 24 special need children from July 2024 onwards. Mrs S. Chitra, Director, ACSEN Foundation, Coimbatore, who is the sponsor of this certificate programme including infrastructure at SaiKirupa School felicitated the signing ceremony. The course coordinators, Dr D. Keisar Lourdusamy, Professor of Horticulture and Dr S. Lakshmi, Professor of Seed Technology of DODL also participated in the MoU signing ceremony.



MoU signed between DODL, TNAU and SaiKirupa Special School, Tirupur

### UAS, Bengaluru

The University Signed Following MoUs:

- With Ecosight Technologies Pvt. Ltd, Richmond Town, Bengaluru for Innovation in Apiculture on 12 April 2024 for three years.
- With Enlight Agrotech India Pvt. Ltd, Sahakara Nagara for Facilitate Incubation planned activities and gain access and exposure in agriculture on 17 April 2024 for three years.
- With Hindustan Petroleum corporation limited and HPGR&DC, Bengaluru for studies on characterization and nutrient dynamics of new fertilizer product in agricultural crops and its impact on crop, soil and environmental on 29 May 2024 for two years.

- With Atal Incubation Center-CCRI-CED, Coffee Board for Strengthening of Agri Innovation center for entrepreneurship through orientation and other training programmes on 29 May 2024 for three years.
- With ICAR-NIVEDI for Collaborate on business incubation of startups and Ideapreneurs to nurture Agripreneurship Ecosystem in the areas of Information Technology on 29 May 2024 for three years.
- With Mrs Sowbhagya K, Basavanagudi, Bengaluru for Technology sale agreement on 03 June 2024 for five years.
- With Advanta Enterprises Ltd, Mumbai for collaboration for crop improvements in millets on 06 June 2024 for five years.

## IPR

### AAU, Jorhat

- The university obtained patent on **Preservation Technique of Fungal Culture in Liquid State** authored by Pranab Dutta, D.J. Nath, S. Borauh, H. Kaushik and K.C. Puzari granted (Patent No. 531870) on 5 April 2024.

### CCSHAU, Hisar

- An **Integrated Paddy Thresher with Dryer, De-Husker and Polisher**: Patent No.536920; Patent granted on 06 May 2024; Inventors: Dr Mukesh Jain, Dr Kanchan K. Singh, Dr Santosh Satya, Department of FMPE, COAE&T, CCSHAU, Hisar.

### Design Registered – 3

- **Handicraft Chair** by Aysha, Meenu, Dr Manju Mehta, Department of FRM, CoCS, CCSHAU, Hisar (Design No. 386667-001 and Design Granted on 05 April 2024).
- **Motile Cattle Feeding Trolley** by Khushaboo, Dr Manju Mehta, Department of FRM, CoCS, CCSHAU, Hisar (Design No. 371981-001 and Design Granted on 09 April 2024).
- **UV-C Treatment Chamber** by Sushant Bhardwaj, Dr Vijay Kumar Singh, Dr Nitin Kumar, Er. Sunil Kumar Department of PFE, COAE& T, CCSHAU, Hisar (Design No. 386670-001 and Design Granted on 19 April 2024).

### JAU, Junagadh

#### Patent in Crop Protection

JAU was granted one patent during this quarter (April-June 2024) in the arena of crop protection by the Patent Office, Government of India, reaffirming the varsity's vision to recommit itself to the welfare of the farming community. The patent was granted for the invention, **A Composition for Male Confusing Technique of Shoot and Fruit Borer in Brinjal Crop** (Patent no. 536789, Date of Grant 03 May 2024) of Department of Entomology, JAU, Junagadh. Dr V. P. Chovatia, Vice Chancellor, and Dr R.



B. Madariya, Director Research, and Dean (PG Studies) congratulated the scientists led by Dr D. M. Jethva on their achievements.

## KVASU, Wayanad

### KVASU Scientist Got Patent for Inventing A Food Formulation Accelerating Calcium Absorption in Females

Dr R. L. Beena, Assistant Professor at the College of Dairy Science and Technology, Thiruvananthapuram, Kerala Veterinary and Animal Sciences University, got the central government patent for inventing a functional food formulation that accelerates calcium absorption in women. Calcium absorption is slow in women's bodies for various reasons. As a result, the bones become weaker. The factor that helps to accelerate the absorption of calcium is extracted from the protein contained in milk. The functional food formulation is in a premix form. Patent number is 531515; Date of grant of Patent is 02 April 2024.

The patent was awarded for Ph.D. research conducted at the Verghese Kurien Institute of Dairy and Food Technology (VKIDFT) under the university. The research was conducted under the leadership of VKIDFT Dean, Prof. (Dr) S. N. Rajkumar.

## OUAT, Bhubaneswar

- Designs of **Mahua Stamen Remover** and **Maize Dehusker-cum-Sheller**, were granted to OUAT vide design No. 394341-001 and 390459-001, respectively, on 04 April 2024.
- Five Framers' rice variety namely Champa, Mugudi, Mati Dhana, Kani Dhana and Goda Khunta has been registered at PPV&FRA and granted a protection for 15 years (MA&FW/PPV&FRA letter no.883,884 and 885, dated 21 May 2024).

## SKRAU, Bikaner

### Certificate of Registration for a UK Design

- **Stubble Chopper cum Spreader** for Crop Residue Management Certificate of Registration for a UK Design (Design No.: 6361809) was granted on 25 April 2024 in the names of Dr Manmeet Kaur, Dr Yogendra Kumar Singh, Ms. Shaurya Singh, Dr Arun Kumar, and Dr Pramod Kumar Yadav. The machine was also granted Certificate of Registration of Design (Design No.:414798-001) by The Patent Office, Government of India on 25 April 2024.
- **PIR Sensor based Animal Detection Device for Farmlands**: Certificate of Registration for a UK Design (Design No.:6367891) has been granted on 03 June 2024 in the names of Dr Yogendra Kumar Singh, Dr Manmeet Kaur, Ms. Shaurya Singh, Dr Arun Kumar, Dr Narendra Kumar and Dr Pramod Kumar Yadav.
- **Portable Plant Tissue Culturing Rack**: Certificate of Registration for a UK Design (Design No.:6372292) was granted on 16 June 2024 in the names of Dr Sujit Kumar Yadav, Abhinav Yadav, Srijan Yadav, Shaurya Singh.

## SKUAST-J, Jammu

- A Patent Granted for **A Method for Preparing Nano Biochar**; Patent Number: 537907; Date of Grant: 14 May 2024.

## TANUVAS, Chennai

- Patent was granted for the invention on An Animal Ambulance Unit and a Method of Shifting Sick Recumbent Animals for Transportation, developed by the faculty members of TANUVAS. Patent No. 532390; Date of Grant: 10 April 2024.

## TNAU, Coimbatore

### Copyright for Newly Developed Computer Tool Molinsecto-AI

TNAU received a copyright for the computer tool Molinsecto-AI using Machine Learning from the Registrar of Copyright, Copyright Office, Government of India, New Delhi. Molinsecto-AI represents a ground breaking advancement in agricultural science, harnessing the power of machine learning to predict the properties of insecticides with unparalleled accuracy. Developed by a team of experts, this innovative tool streamlines the process of identifying potential insecticide candidates, offering invaluable support to farmers, researchers, and environmentalists. By analyzing vast datasets and using advanced algorithms, Molinsecto-AI enables users to swiftly evaluate the efficacy of chemical compounds against pests, accelerating the development of safer and more sustainable pest management solutions. With its user-friendly interface and predictive capabilities, it promises to revolutionize agricultural practices, empowering stakeholders to combat crop pests effectively while minimizing environmental impact. From enhancing agricultural productivity to fostering innovation in insecticide development, Molinsecto-AI emerges as a game-changer in the quest for sustainable agriculture and environmental conservation.



TNAU obtained Copyright for their Newly Developed Computer Tool Molinsecto-AI

### Copyright - Computer Programme for Drip Design Check

The Registrar of Copyright, Copyright Office, Government of India, New Delhi, granted TNAU a copyright for Drip Design Check – Computer Software for Drip Irrigation System Design. Drip Design Check empowers farmers and engineers to design efficient drip irrigation systems, which are vital for conserving water and managing water-deficient situations. By discharging water as drops directly to the crop's root zone through drippers, this method minimizes water and energy losses while reducing labour costs. Designing a drip irrigation system with optimal uniformity has traditionally been a complex and time-consuming task. However, Drip Design Check simplifies the process by providing a range of design choices. Users can customize their irrigation system based on factors such as discharge rate, field topography, available pressure, and pipe diameter. With its intuitive user interface, the application enables the evaluation of multiple design alternatives with ease.



TNAU obtain Copyright - Computer Programme for Drip Design Check

## AWARDS and RECOGNITIONS

### AAU, Jorhat

- Dr I. C. Barua, Principal Scientist was felicitated by ICAR-DWR and AICRP on Weed Management for his contribution in weed science at OUAT, Bhubaneswar during Annual Review Meeting of AICRP-WM on 20 June 2024.
- Dr K. Kurmi, Principal Scientist received Reviewers Excellence Award from ARCC Journals in recognition of outstanding contribution to the Journal and reviewing the article for Legume Research.

### Dr RPCAU, Pusa

- The university has secured an impressive 7<sup>th</sup> place among the 51 Central Universities of India in IIRF Ranking 2024. This significant achievement is especially commendable considering the previous ranking which was 52<sup>nd</sup> in year 2023. Vice Chancellor, Dr P.S. Pandey extends warm congratulations on this remarkable accomplishment, stating that it is a matter of pride for the entire university community.



### Dr YSRHU, Venkataramannagudem

- Nedunuri Valli Sai Supriya of Dr YSRHU received M.Sc. Best Thesis Award at International Conference on 'Recent Advances in Agriculture for Aatmanirbhar Bharat' organised by Agri Meet Foundation, U. P. and CCSHAU, Hisar (in collaboration with ICAR-DCR, Puttur; IGKV, Raipur; RVSKVV, Gwalior; UAS, Dharwad; SKLTSHU, Mulugu; GBPUAT, Pantnagar; ICRISAT, Hyderabad and RLBCAU, Jhansi) held during 19-21 April 2024 for his research work on *Effect of AM Fungi on Growth, Nutrient Uptake, Physiological and Biochemical Adaptation of Custard Apple (Annona squamosa L.) Seedlings*.

Dr YSRHU - Nedunuri Valli Sai Supriya received M.Sc. Best Thesis Award at International Conference



- The Society for Promotion of Horticulture, ICAR-IIHR, Bengaluru presented Dr G. S. Randhawa Award to Dr Raghuv eer Silaru for outstanding Doctoral thesis research in Horticulture for the year 2023-2024.



Dr Raghuv eer Silaru receiving 'Dr GS Randhawa Award'

- Dr L. Mukunda Lakshmi, Principal Scientist (Horti.), CRS, Tirupati received CHAI-Dr Kriti Singh best Paper Award-2024 for scientific paper entitled *Optimizing Yield in Sweet Orange (Citrus sinensis Osbeck) through Phenology Based Nutrition*, and Best Poster Award for *Domestication of Citrus grandis L. Osbeck (Pummelo) in Andhra Pradesh- Suitability and Yield is the Key* in National Conference on the Paradigm and Dynamics of Digital Horticulture for Food, Nutrition and Entrepreneurship being organized at JAU, Junagadh from 28-31 May 2024.



Dr L. Mukunda Lakshmi received CHAI-Dr Kriti Singh Best Paper Award-2024

- Ms D. Siri Satwika, First year B.Sc. (Hons.) Horticulture, Dr YSRHU-COH, VR gudem participated in South Zone KHELO INDIA-WOMEN's WUSHU LEAGUE which was held from 10-13 June 2024 at Bagalkot, Karnataka. She secured VII place in the competition and got selected for national level WOMEN'S WUSHU LEAGUE going to be held in December at New Delhi.

Ms. D. Siri Satwika Selected for National Level WOMEN'S WUSHU LEAGUE



- Dr YSRHU-KVKs received nine appreciation awards during the Annual Zonal Workshop of KVKs under Zone-X, conducted from 25-27 June 2024 at CTRI, Rajahmahendravaram. Dr E. Karuna Sree, Director of Extension and Principal and Head, KVK, Venkataramannagudem, Dr P. Lalitha Kameswari, Principal Scientist and Head, KVK, Pandirimamidi, Dr B. Govinda Rajulu, Principal Scientists and Head, KVK, Periyavaram and Dr M. Balakrishna Senior Scientist and Head, KVK, Vonipenta, received the certificates from Dr S.N. Meera, the Director, ICAR-ATARI-X, in the august presence of Dr R. K. Mathur Director, ICAR-IIOR, Hyderabad and appreciated the team work of Dr YSRHU- KVKs.



Awards received by Dr YSRHU – KVKs during Annual Zonal Workshop of KVKs under Zone-X

KVK Venkataramannagudem received 3 awards

- Best ARYA Scheme Implementation
- Best BMPS in Freshwater Aquaculture
- Best Demonstration Units Establishment

KVK, Pandirimamidi received two awards

- Second place for no. of vocational trainings conducted
- Appreciation award for promoting rubber farming in tribal zone

KVK, Periyavaram received two awards

- First place for Box Item for Annual Report
- Recognition of excellence achieved promotion of communities managed nutria-gardens (CMNG) for nutritional security

KVK, Vonipenta received two awards

- Recognition of excellence achieved in Millets Promotion-Area, Production, Productivity



- Third place for Box Item for Annual Report

## IGKV, Raipur

### Vice Chancellor Dr Girish Chandel Honoured with the Title 'Colonel Commandant'

Dr Girish Chandel, Vice Chancellor of IGKV was conferred the honorary rank of 'Colonel Commandant' by the National Cadet Corps (NCC) on 21 June 2024. On the recommendation of the Government of India, Dr Chandel was decorated with the honorary title of Colonel Commandant by Major General Shri Ajay Kumar Mahajan, Additional Director General, Chhattisgarh and Madhya Pradesh NCC Directorate, Bhopal. In the decoration ceremony held in the auditorium of Krishi Mahavidyalaya Raipur, Dr Chandel was handed over the honorary title of Colonel Commandant and the appointment letter by Shri Mahajan. On this occasion, Brigadier Shri Vikram Singh Chauhan, Group Commandant Raipur, Colonel Shri GS Sikharwar, Deputy Group Commander, Raipur and Colonel Shri Sumer Singh, Officer Commanding 5 CG CTI, Raipur were also present. On this occasion, Major General Shri Ajay Kumar Mahajan addressed the NCC cadets of IGKV and called upon them to participate in the development of the country. He said that youth can make their career good by joining the National Cadet Corps. NCC cadets are given priority in recruitments of Indian Army, Navy and Air Force. Shri Mahajan said that at present 17 lakh youth of the country are associated with the National Cadet Corps and there is a plan to connect 20 lakh youth with NCC by the coming year 2025. Addressing the function, Vice Chancellor Dr Chandel said that receiving the title of NCC Colonel Commandant is a matter of great pride for him.



### Paddy Research Award

IGKV, Raipur received special award for Better Utilization of Paddy Germplasm, Collection, Conservation and Breeding Programme, during the 59<sup>th</sup> National Rice Group Meeting organized at ICAR-IARI, New Delhi on 26 April 2024. Dr Girish Chandel, Vice Chancellor, IGKV, Dr Deepak Sharma, Head Department of Genetics and Plant Breeding, along with all paddy scientists were honored with the award for their paddy research by Dr T. R. Sharma, Dy. Director General, ICAR, New Delhi and Dr R. M. Sundaram, Director, Indian Rice Research Centre (Hyderabad).

It is worth mentioning that IGKV has collection of 23,250 paddy accessions. In collaboration with IGKV, farmers have received registration certificates for the second highest number of varieties in the country from Plant Variety Protection and Farmer's Right Authority (GoI).

On the occasion of International Intellectual Property Day on 26 April 2024 PPVFRA, New Delhi organized a function and invited Vice Chancellor of IGKV, Raipur, as special guest and Dr Deepak Sharma, Nodal Person, for PPVFRA



at IGKV, Raipur to handover the applications of Sanjeevani, Protazin and Zinko Rice MS varieties to Padma Bhushan awardee Dr R. S. Paroda and Dr Trilochan Mahapatra, Chairperson, PPVFRA, New Delhi.

### Innovative Farmer Award

Shri Aneswhwar Verma a farmer of Krishi Vigyan Kendra, Rajnandgaon, IGKV received Innovative Famer Award for his significant contribution in agriculture and allied activities, from Dr Ashok Singh, Director, ICAR-Indian Agricultural Research Institute, New Delhi, during Innovative Farmers Meet held at ICAR- Indian Agricultural Research Institute, New Delhi on 6 June 2024. He is an innovative farmer adopting integrated farming using modern farming techniques under the guidance of KVK, Rajnandgaon.



### Kamdhenu University (KU), Gandhinagar

#### College of Veterinary Science and Animal Husbandry, Junagadh Dr P.H. Tank conferred with Best Veterinarian Award

On the occasion of the World Veterinary Day-2024, Dr P. H. Tank, Principal and Dean, Veterinary Faculty, KU, was conferred with a certificate of appreciation for Best Veterinarian Award from India, presented by SAARC Regional Veterinary Association for his brilliant, enthusiastic and dedicated contribution in academics, research, extension and administration in noble veterinary profession, continuously for more than 38 years. University officers, college teachers and students congratulated Dr P.H.Tank for receiving a prestigious award.



### Student and Staff Recognized in 'Review Writing Article' Competition

Ph.D. Scholar, Animal Nutrition, Dr Saman Belim, and Assistant Professor, Dr R. J. Padodara, Veterinary Physiology, received Third Rank and Consolation Prize, respectively, in Review Writing Competition, organized by eFeed Life Science, Pune.



### OUAT, Bhubaneswar

- All India Coordinated Research Project on Agroforestry, Bhubaneswar centre was awarded Dr S. Chinnamani award for excellence in Agroforestry Extension for the year 2023-24.
- Prof. P. Parhi, Dean, College of Community Science received Lifetime Achievement Award at International Conference on Ecological Impact on Agriculture, Business and Technology organized by Directorate of Research and Extension, Agriculture and Forestry University, Rampur, Chitwan, Nepal from 18-19 June 2024.

### PAU, Ludhiana

- Dr Ajaib Singh, Assistant Professor (Agric. Engg.) and Dr Maninder Singh Bons, Associate Director (Training), KVK Hoshiarpur received Best Poster Award during National Symposium on Food

Processing 4.0: Innovation and Sustainability held on 30 April 2024 organized by Department of Food Science and Technology at PAU, Ludhiana

- Dhiman, D; Kalia, A.; Sharma, S.P.; Taggar, M.S. and Dheri, G.S. (2024) Nano-boron Application Reduced the Proportion of Cracked Tuber Yield in Potato. Best (2<sup>nd</sup>) poster award in technical session Theme-3 of ISVS Golden Jubilee National Seminar on Technological Innovations in Vegetable Production under Changing Climate Regime, held at Acharaya Narendra Deva University of Agriculture and Technology, Ayodhya, UP, India from 24 to 26 February 2024.
- Dr Sumita Chandel got Young Achiever Award-2023 conferred by Society for Advancement of Human and Nature Dr Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, India.
- Dr S.K. Vasal award for efficient use of PGR (2023) by Indian Society of Plant Genetic Resources (ISPGR) at ICAR-National Bureau of Plant Genetic Resources awarded to Dr Satinder Kaur.
- Dr Sandeep Singh Department of Fruit Science received Certificate of Appreciation for organizing The Second International Symposium on Management of Tephritid Fruit Flies in Current Globalization Era.



Dr Sandeep Singh Department of Fruit Science received Certificate of Appreciation

- Dr Baljit Singh, Department of Forestry and Natural Resources received ISAF Gold Medal 2023 on 18 June 2024 at ICAR-CAFRI, Jhansi.

Dr Baljit Singh, Department of Forestry and NR received ISAF Gold Medal



## PJTSAU, Hyderabad

### AICRP Best Centre Award

Centre on AICRP Weed Management, PJTSAU, Hyderabad was awarded with the 1<sup>st</sup> Rank (for the year 2023-24) among the AICRP on Weed Management Centers across the country. Faculty of PJTSAU, Dr T. Ram Prakash and Dr T. Padmaja received the award from Dr Pravat Kumar Roul, Vice Chancellor, Odisha University of Agriculture and Technology, Dr J.S. Mishra, Director, Directorate of Weed Research and Dr A.K. Naik, Director, NRRI, Cuttack at OUAT, Bhubaneswar, Odisha on 19 June 2024. On this occasion, Dr P. Raghu Rami Reddy, Director of Research and Registrar, PJTSAU and Dr M. Malla Reddy, ADR appreciated the efforts of the centre.



## SKUAST-J, Jammu

Progressive farmer of Krishi Vigyan Kendra (KVK), Reasi, Shri Tilak Raj, resident of village Sirah in district Reasi (J&K) was honoured with the 'IARI Innovative Farmer Award 2024' by the Indian Agriculture Research Institute (IARI), PUSA, New Delhi, during the Innovative Farmers Meet held at Indian Agriculture Research Institute (IARI), PUSA, New Delhi on 6 June 2024.



## TANUVAS, Chennai

Priyanka, S. fourth year Student of Madras Veterinary College (MVC), TANUVAS was part of the five-member women team representing Tamil Nadu, which won the 21<sup>st</sup> Senior National Soft-Tennis Championship (women) held at Punjab from 29 May to 2 June 2024.

Priyanka S. - Student of MVC - Winner in the 21<sup>st</sup> Senior National Soft-Tennis Championship (Women)



## TNAU, Coimbatore

### ISAF Best Institution Award for Excellence in Agroforestry 2023

Forest College and Research Institute, Mettupalayam was awarded with Best Institution Award for Excellence in Agroforestry 2023 by Indian Society of Agroforestry (ISAF), Uttar Pradesh. The award was conferred to Forest College and Research Institute, Mettupalayam for outstanding contributions in promotion and advocacy of agroforestry in India and Tamil Nadu in particular. The award was conferred by Deputy Director General (Extension), ICAR, New Delhi as Chief Guest in the presence of Dr A. Arunachalam, Director, Central Agroforestry Research Institute (CAFRI), Jhansi on 18 June 2024 at CAFRI, Jhansi.



ISAF Best Institution Award for Excellence in Agroforestry

### Best ICAR – AICRP – Groundnut Centre Award

The Regional Research Station, Vriddhachalam (TNAU) was awarded the 'ICAR- Best Performing Regular AICRP-Groundnut Centre Award' for the period 2022-23 during the Annual Group Meeting of AICRP on Groundnut held at Agricultural Research Institute, Durgapura, Jaipur from 10-12 April 2024. This award was conferred to the centre for its excellent performance in All India Coordinated Research Project on Groundnut and research activities on groundnut improvement, production and protection aspects, seed hub activities, FLDs and reports of monitoring team visit on activities of RRS, Vriddhachalam. During the award period, RRS, Vriddhachalam released groundnut varieties viz., VRI 9 and VRI 10 through



Best ICAR – AICRP – Groundnut Centre Award

SVRC, and promoted and evaluated groundnut genotypes viz., VG 19721 (Zone II), VG 19535 (Zone I) and VG 17008 (Zone IV) under advanced varietal trial. A team of groundnut scientists, Dr R. Baskaran, Professor (Agronomy) and Head, Dr A. Mahalingam (Plant Breeding and Genetics), Dr B. Geetha (Agric. Entomology) and Dr V. Ravichandran (Plant Pathology) received the award. The award was presented by the Vice Chancellor of SKNAU, Dr Balraj Singh in the presence of the Dr Sandip Kumar Bera, Director, DGR, Junagadh and Dr M. L. Jakhar, Director of Research, SKNAU, Rajasthan.

### TNAU Research Scholars bagged DST- INSPIRE

The prestigious DST-INSPIRE Fellowships supported by Department of Science and Technology, Government of India, were bagged by 15 TNAU students from various disciplines during this year. The research scholars of Agronomy, Plant Pathology, Plant Physiology, Agricultural Meteorology, Agricultural Entomology, Agricultural Machinery and Energy Technology, Soil Science and Agricultural Chemistry, Silviculture and Resource Management, Seed Science and Technology and Genetics and Plant Breeding received the fellowships. To



TNAU Research Scholars bagged DST- INSPIRE

honour the research scholars who were awarded with fellowship, the School of Post Graduate Studies, TNAU, Coimbatore organized a felicitation meeting on 25 April 2024. Dr N. Senthil, Dean, School of Post Graduate Studies, welcomed the gathering and informed that to motivate and encourage research among postgraduate and doctoral students, TNAU organized the Annual Think Tank Meetings to scrutinize research topics and approve advisory committees much earlier as soon as the scholars register for research credits, which makes it easier for students to prepare successful proposals for various funding agencies. Dr V. Geethalakshmi, Vice Chancellor, in her presidential address, congratulated the students who received DST-Inspire fellowships for the year 2024, as well as their mentors and technical directors. The award is based on three important components viz., the CV of the student, mentor and the quality of the proposal.

### ISAF Honorary Fellowship Award 2023

Dr A. Balasubramanian, Professor and Dean, Forest College and Research Institute, Mettupalayam was awarded with ISAF Honorary Fellowship Award 2023 by Indian Society of Agroforestry (ISAF), Uttar Pradesh for his outstanding contributions in agroforestry research and development. The award was conferred by Deputy Director General (Extension), Indian Council of Agricultural Research, New Delhi as Chief Guest in the presence of Dr A. Arunachalam, Director, Central Agroforestry Research Institute, Jhansi on 18 June 2024 at CAFRI, Jhansi.



ISAF Honorary Fellowship Award

### UAS, Bengaluru

- Ms Vijayalakshmi, I., a B.Tech. (Biotech) student, CoA, Hassan was winner in Innovation Challenge-2024 organised by UAS (B) in collaboration with Harrison's Malayalam Ltd, in recognition of contribution to the innovation project Low-Cost Fencing Solution.



- Best Article Award for article ID 38662 entitled 'Agricultural Farm Mechanization' (Published in Agriculture and Food, 4(12): e-Newsletter (ISSN: 2581-8317), Date of award: 15 May 2024) was awarded to Dr Sreedevi, M.S. .
- AICRP on Seed (Crops), IISS, Mau, was awarded the Best Centre Award for the year 2023-24 for quality seed production to AICRP on Seed (Crops), Centre UAS, GKVK, Bengaluru during 39<sup>th</sup> Annual Group meeting.

## LIMELIGHT

### AAU, Jorhat

#### Promotion of Double Cropping Programme

Under the on-going AAU's flagship programme on Promotion of Double Cropping Programme in Assam, AAU-ZRS, North Lakhimpur is implementing the programme in 30 ha area of Lakhimpur district. The station distributed 1,200 kg/seed of medium duration rice varieties, viz., Numali and Dholito to beneficiary farmers of six clusters under Lakhimpur, Nowboicha, Karunabari and Boginadi blocks on 28 May 2024. A stakeholders meeting was also organized on the same day. Preparation of mat nursery was demonstrated at Garchiga village on 11 June 2024.

### AU, Kota

#### Farm and Laboratory Management Training Programme

Agriculture University Kota, organized one-week specialized training programme on Farm and Laboratory Management for 25 technical staffs of the University during 20-25 May 2024 at ICAR-IIFSR, Modipuram, Meerut.



#### Automobile Maintenance, Road Safety and Behavioral Skills Training Programme

Agriculture University Kota, organized one-week specialized training programme on Automobile maintenance, road safety and behavioural skills for 17 drivers of the University during 27-31 May 2024 at ICAR-CIAE, Bhopal.



#### Visit of School Students to Agriculture University, Kota Units

University took a new initiative to attract school children for making their career in agriculture stream. Therefore, University approached to various schools of Kota region to visit the various units of Agriculture University, Kota and more than 100 school children visited the agriculture education museum and other units, and motivated them to choose agriculture discipline after schooling education for their career and seeking job opportunity in different agricultural fields.



## IGKV, Raipur

### Akti Festival was Organized at IGKV

Akti Tihar function was organized at IGKV on the occasion of Akshaya Tritiya 10 May 2024. Dr Girish Chandel, Vice Chancellor performed soil worship and seed rites and sowed paddy seeds in the field in the university. Praying to Mother Earth for a good harvest, Dr Chandel brought paddy seeds from the hut and performed puja and also fed fodder to Mother Cow. On this occasion, the internal bus service of IGKV was also inaugurated.



Addressing the gathering at Akti Tihar ceremony, Vice Chancellor Dr Chandel said that in the culture of Chhattisgarh, there is a tradition of farmers worshipping the soil and seeds and sowing the seeds on Akshaya Tritiya. Thus, the new agricultural season begins from the day of Akshaya Tritiya. Following this tradition, Akti Tihar celebrations are being organized in all the agricultural colleges, agricultural science centers and seed farms. He said it is also an opportunity to take a pledge to protect soil, water and environment.

## KU, Gandhinagar

### College of Veterinary Science and Animal Husbandry (COVSc&AH), Anand World Veterinary Day Celebration

Veterinary Clinical Complex, COVSc&AH, KU, Anand, organized two camps viz., Animal Health Check-up and Vaccination Camp as a part of World Veterinary Day celebration on 23 April 2024. The programme was inaugurated by flagging off an anthelmintic distribution, vaccination, diagnosis and treatment camp for sheep and goat herders. Dr P.H. Tank, Principal and Dean, advised management tips to sheep-goat breeders. A total of 44 goats and 09 sheep were registered. Medicine was distributed to about 150 animal owners.



### Vaccination Camp

Department of Veterinary Medicine, COVSc&AH, KU, Anand in collaboration with District Animal Husbandry Department, Anand organized a vaccination programme for Haemorrhagic Septicaemia and Foot and Mouth Disease on 25 June 2024. The vaccination programme was organized under the guidance of Dr P.H. Tank, Principal and Dean, COVSc&AH, KU, Anand and Dr Suketu Upadhyay, Deputy Director, Animal Husbandry department, Anand. The vaccination was carried out at Bamaroli, Sanjaya and Padgol villages of Petlad Taluka. Dr Neha Rao, Assistant Professor and Head, Department of Veterinary Medicine, Dr D.B. Sadhu, Dr Bhavika Patel, Dr Ankit Prajapati, Dr R.S. Ghasura. and Dr Nikita Patel, Veterinary officer, Bamroli along with 64 undergraduate and 06 post graduate students took part in the vaccination of animals. The livestock inspector and helping staff from department of Animal Husbandry, and Amul Dairy guided the students to different interior areas and fields at farmers door step. Under the vaccination programme 650 cattle and buffaloes



were covered. Livestock owners were advised for the care and management of animals during monsoon season and counselled for active participation in vaccination.

**College of Veterinary Science and Animal Husbandry (COVSc&AH), Junagadh  
World Environment Day-2024**

In commemoration of World Environment Day on 5 June 2024, NSS Unit and SRC of COVSc&AH, Junagadh, organized a joint programme focusing on paragraph writing competition, tree plantation and a tree conservation pledge, etc. The event was aimed to promote environmental sustainability and raising awareness about the importance of tree conservation. The programme began with a formal inauguration, where the significance of World Environment Day, and the objectives of the event were highlighted by NSS volunteers Prajapati Pratik, Popaliya Kashyap, Fuletra Raj and Gami Manav. It was followed by introductory remarks from Mr A.A. Bhaliya, and Mr L.H. Sutreja, ACFs, Forest Department, Junagadh. The participants joined the tree plantation drive thus contributing to the greening of the campus. Attendees took a pledge to commit for tree conservation efforts, reinforcing the importance of protecting and nurturing the environment. The event concluded with remarks from Dr D.D. Garg, Associate Professor and Head, Department of Animal Nutrition, COVSc&AH, KU, Junagadh, emphasizing ongoing commitment to environmental sustainability. The prizes were distributed to top three students of paragraph writing competition- Mr Vasu Garala, Mr Diggalsinh Gohil and Ms Vaidehi Slathia, for ranking first, second and third, respectively. At the end of the programme, Dr R.J. Padodara, Chairman, SRC and Dr A.B. Odedara, Program Officer, NSS, COVSAH, KU, Junagadh, expressed their gratitude to all participants for their enthusiastic participation and support.



Students' Active Participation for Protecting Nature



Plantation Drive by the Guests

**World Art Day and World Earth Day**

To develop art, to understand the value of conservation of the earth and also to learn competition behavior among the students, SRC organized painting competition on World Art Day on 15 April 2024 and Awareness e-quiz was organized on the World Earth Day on 22 April 2004. During these two days undergraduate and postgraduate students participated in the events. Ms Tisha, Mr Sohil and Mr Divyesh got first, second and third ranks, respectively, in painting competition and Mr Deeparam, Mr Diggal and Mr Mahipal got first, second and third rank, respectively, in e-quiz competition. The prizes were distributed to the students during 'World Veterinary Day' celebration.



First rank (Ms Tisha)



Second rank (Mr Sohil)



Third rank (Mr Divyesh)



### World Veterinary Day-2024

The World Veterinary Day is celebrated on last Saturday of the April every year. As per the theme of the WVD, special speakers from diversified veterinary profession were invited to encourage the students. In the inaugural function, Dr Deendayal, Head, Animal Nutrition; Dr Dilip Panera, Veterinary Officer, Government of Gujarat; Dr R.H. Bhatt, Head, VCC and Dr R.J. Padodara, Chairman, SRC were present. A professional stage quiz was arranged for UG and PG students of the college, and students were appreciated with prizes for different events. The quiz was conducted and organized by Dr D.T. Fefar, Dr H.B. Patel and Dr K.B. Savalia. A product- Procile-Gold (Anti-inflammatory spray) manufactured by Wellcon Animal Health was launched on this auspicious day. The programme was jointly organized by Dr R.H. Bhatt, Head, VCC and Dr R.J. Padodara, Chairman, SRC, COVSc&AH, Junagadh.



Glimpses of celebration of World Veterinary Day-2024

### World Milk Day Celebrated at Veterinary College, Junagadh

World Milk Day is an annual occasion observed on 1 June 2024, founded by the Food and Agriculture Organization (FAO) of the United Nations. The objective of this day is to recognize the importance of milk as a crucial source of nourishment on a global scale. The subject for this year's event centered around highlighting the crucial role that dairy plays in providing high-quality nutrition to sustain the global population. Dairy is a readily available, affordable, and nutritionally rich food, and a crucial component of well-balanced diets worldwide. A Dairy Product Preparation and Judging Contest was jointly organized by Department of Livestock Products Technology and SRC, College of Veterinary Science and Animal Husbandry, KU, Junagadh on the occasion of World Milk Day-2024 on 1 June 2024. More than 45 students comprising in 9 groups actively participated in the event. Different varieties of paneer were prepared by each group and judged by Dr A.B. Odedara, Dr N.R. Padaliya, Dr J.A. Chavada, Dr V.V. Gamit and Dr V.K. Singh to rank best three products among all.

The event was well planned and organized by organizing members-Dr Ajay S. Patel, Dr Akshay R. Bariya and Dr Ramesh J. Padodara under the guidance of Dr P.H. Tank, Principal, COVSc&AH, Junagadh.



Glimpses of celebration of World Milk Day-2024

## PAU, Ludhiana

- Russian Delegates Visited Department of Fruit Science to Explore Potential Collaborative Frontiers:** Dr Konstantin Malashenkov, Counsellor (Agriculture) at the Russian Embassy in India, led a three-member delegation to Punjab Agricultural University, Ludhiana. The foreign contingent had discussions with university officials aimed at identifying collaboration opportunities and enhancing institutional relations. Dr Malashenkov was joined by Dr Yuri Plugatar, Director, Nikitsky Botanical Gardens, Nikita, Yalta (Russia) and Dr Sergei Khokhlov, Deputy Head for International Activity, signifying a concerted effort towards bilateral cooperation in academics and horticultural research.
 
- One-day Training on Rodent Pest Control Management for the staff of Civil Hospital, Ludhiana was organized on 08 May 2024 by Department of Zoology at PAU, Ludhiana.**



One-day Training on Rodent Pest Control Management

## PJTSAU, Hyderabad

### Health Camp

The University Health Centre, Professor Jayashankar Telangana State Agricultural University hosted a health camp focused on pain-related disorders organized by the Indo British Advanced Pain Clinic, Hyderabad on 14 June 2024. Dr J. Satyanarayana, Dean of Student Affairs, Dr C. Narendra Reddy, Associate Dean and C. Padma Veni, In-charge Medical Officer of the College of Agriculture,

Rajendranagar, inaugurated the camp in the presence of Dr P. Raghu Rami Reddy, Registrar, PJTSAU. The camp saw the participation of esteemed pain specialists Dr P. Nikitha and Dr Chaitanya, along with their dedicated team, who provided exceptional service throughout the event. Bone mineral density tests (150) were conducted, and comprehensive consultations were provided to 150 patients, addressing various pain-related concerns.



### SKRAU, Bikaner

Vice Chancellor, SKRAU, Bikaner Dr Arun Kumar took over the additional charge of Vice Chancellor of Agriculture University, Jodhpur on 22 June 2024.

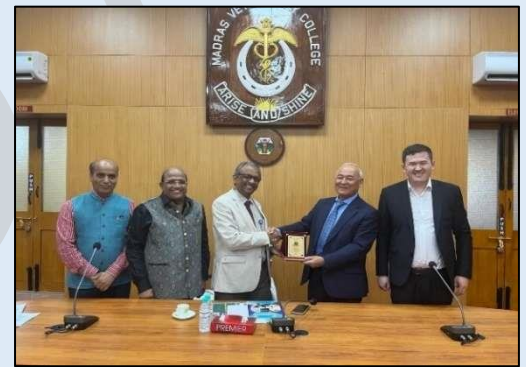


Dr Arun Kumar

### TANUVAS, Chennai

- TANUVAS organized a meeting with the University officials of Kyrgyzstan on 01 April 2024 to discuss the possibility of having research collaboration with TANUVAS. Vice Chancellor, TANUVAS; Dean, MVC, Director of Research and Director of Clinics, TANUVAS; Senior Professors and Staff were also present.

Vice Chancellor, TANUVAS, University Officials of Kyrgyzstan and MVC, Chennai Officials



- The delegates from Eastern University of Sri Lanka, viz., Dr K. Arulanandem, Director, Centre for Community and Industry Linkages and Shri T. Vinothraj, Head, Department of Information and Communication Technology visited College of Food and Dairy Technology (CFDT), Koduvelli of TANUVAS on 03 April 2024 to understand the functioning of various Food processing units and interacted with the unit heads.

Visit of delegates from Eastern University of Sri Lanka – CFDT, Koduvalli, TANUVAS



- Vice Chancellor, TANUVAS, Dr K. N. Selvakumar participated in the Conference of Vice Chancellors of State and Private Universities of Tamil Nadu at Raj Bhavan, Udhagamandalam on 27 May 2024. H'E Governor Shri R. N. Ravi inaugurated the conference. Professor M. Jagadesh Kumar, Chairman, UGC and other dignitaries were present.



### UAS, Bengaluru

- Whole Genome Sequencing of Magnaporthe Infecting Millets:** Whole genome sequence of four virulent Magnaporthe isolates, viz., BPg6-S1(pearl millet), BMPg4-S2, (barnyard millet), FMPg59-

PG (finger millet), and FoxMPs15-PS (foxtail millet) were sequenced using the Illumina HiSeq platform in paired-end mode. Salient findings are as follows:

- Identified short sequence reads with a 159 bp sequence length (read length).
- A single large cluster containing about 18364 proteins formed the core proteome that were present in all the genomes.
- Proteins specific to PG (FMPg59), PS (FoxMPs15), S2 (BMPg4), S1 (BPg6), *P. oryzae triticum*, and *P. oryzae* RMG were represented by singleton clusters containing 12, 476, 57, 204, 450, and 269, respectively.

- **First description (new to science) on the maggot taxonomic identification:** An attempt was made to taxonomically describe and identify first, second, third instars of shootfly infesting kodo, barnyard, browntop and little millet.

Shootfly species	Millet
<i>Atherigona approximata</i>	Browntop millet
<i>Atherigona pulla</i>	Little millet
<i>Atherigona simplex</i>	Kodo millet
<i>Atherigona falcata</i>	Barnyard millet

- Ambedkar Jayanthi – 2024: The 133<sup>rd</sup> Birth Anniversary of Bharath Ratna Dr B. R. Ambedkar was celebrated with all respect and devotion on 14 April 2024 at College of Agriculture, Hassan. The teaching, non-teaching staff and students attended the programme and offered floral tributes to the great leader.

As a part of the celebration of Ambedkar Jayanthi, a lecture was organized on the topics Dr B. R. Ambedkar - Life and Contributions and Facing Competitive Exams, on 15 April 2024. Dr Shivakumara, Director, Akka IAS Academy, Bengaluru was the Chief Guest. He delivered a vibrant and enlightening talk on the contributions of Dr Ambedkar. Dean (Agric.) presided over the function and delivered the presidential remarks. All the staff and students attended the programme.



- World Environment Day was celebrated at College of Agriculture, Hassan with the theme Land Restoration, Halting Desertification and Building Drought Resilience under the slogan *Our Land, Our Future*. Shri H. A. Kishor Kumar Environment activist of Hassan inaugurated the programme and stressed upon the need to conserve and save the natural resources for the future generations. Vice Chancellor Dr S. V. Suresha graced the occasion as Chief Guest and in his speech invited everyone to take responsibility and join hands to protect environment by contributing whatever little that is possible from all of us. Dr K. N. Muniswamy Gowda, Dean (Agric.) presided, and delivered his presidential speech, whereas, staff and students witnessed the event.



- The College of Agriculture, UAS-B, organised Anti-Drug Awareness programme for UG students in Association with Department of Police, Government of Karnataka, Bengaluru on 29 June 2024 at Kuvempu Kannada Sabhaangana, GKVK. The Chief Guest was Shri Ramana Gupta, IPS Officer, Additional Police Commissioner, East Division, Bengaluru. During his speech he focused the different dimensions of drug abuse and its ill effects on students. He also advised students to say no to drugs. Dr Sanitha Arakal, Psychologist addressed the students about the mental health of students. About 450 students participated in the programme.



Anti-Drug Awareness Programme for UG Students in Association with Department of Police, Government of Karnataka, Bengaluru

## RESEARCH PUBLICATIONS ( $\geq 15$ NAAS RATING)

### OUAT, Bhubaneswar

- Kar, A., Deole, S., Nayak, R.R., Gupta, A.K., Gadratagi, B.G., Patil, N., Guru-Pirasanna-Pandi, G., Mahapatra, B., Mahanty, A. and Adak, T. (2024). Distribution and risk assessment of pesticide pollution in small streams adjoining paddy fields. *Journal of Hazardous Materials*. p.133852. **(NAAS Rating-19.64)**

### TANUVAS, Chennai

- Vivekanandan, Vinitha, Sundaram, Meignanalakshmi and Krishnaswamy, Gopalan Tirumurugaan. (2024). Synergistic effect of selenium and gibberellic acid for enhanced biomass, lipid and improved biodiesel quality from *Tetradesmus obliquus* through response surface methodology. *Bioresource Technology*. 406: 131017. **(NAAS Rating-17.48)**

### TNAU, Coimbatore

- Cheran, Easwaran, Sharmila Rahale, Christopher, Gokulakrishnan, Moorthy, Prasanthrajan, Mohan, Raju, Marimuthu, Vanitha, Koothan and Saranya, Nallusamy (2024). Nano hybrid fertilizers: A review on the state of the art in sustainable agriculture. *Science of the Total Environment*. 929: 172533. **(NAAS Rating-15.80)**

## FUTURE PROGRAMMES

### AAU, Jorhat

- Development of weather based predictive models for the population buildup of scarab beetles in Assam in the climate changing scenario by AICRP on Soil Arthropod Pests.
- A short-term training programme on Agro-met data analysis using RStudio and Python, will be jointly organized by Association of Agrometeorologists, Jorhat Chapter and Assam Agricultural University, Jorhat during August, 2024 at AAU, Jorhat.

### OUAT, Bhubaneswar

- Improvement of infrastructures to facilitate high end research, improve teaching-learning ecosystem, enhance students' amenities, etc.
- Opening of PG departments at outlying UG colleges of the University.
- Creation of new departments of Animal Biotechnology, Forensic Science and Wildlife Health Management, Fishery Resource Management, Aquatic Environment Management and Fish Processing Technology.
- Introduction of one year certificate courses on agriculture and allied sciences.

### PAU, Ludhiana

- Lectures by Eminent Scientists from different Institutes/Organization/Universities will be organized.
- Development of varieties of different pulses with high yield with appropriate maturity duration with biotic and abiotic stresses resistance.
- New soybean genotypes, NRCSL 5 will be tested in Adaptive Research Trials during *kharif* 2024.
- Development of high yielding short duration varieties/hybrids of rapeseed-mustard and sunflower and varieties of groundnut and sesame combining higher oil content, resilience to changing climatic conditions, improved resource use efficiency, resistance to biotic stresses and wider adaptability.
- Oilseeds improvement efforts for better oil and meal quality with fatty acid composition for specific uses of oilseeds.
- Development of determinate *Brassicacae* suitable for mechanical harvesting.
- Development of short duration toria to fit in changing climate scenario.
- The university will develop interactive resource bank for students and will initiate development of language and communication skills courses on SWAYAM.
- Extension lectures will be organized for farm specialists and agricultural enthusiasts.

### PJTSAU, Hyderabad

- Soil Health Management for enhancing organic carbon through promotion of diversified cropping systems, crop residue management, green manure crops, use of bio-fertilizers including site specific nutrient and use of nanomaterial for controlled-release of nutrients in major crops to reduce fertilizer use and GHG emissions in major crops.
- Establishment of Advance Center of Excellence on Organic and 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 nanomaterial's 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**

- Work on emerging zoonoses and to study the epidemiology of important livestock diseases.
- *In-vitro* studies on post thaw sperm motilities, use of immuno-modulators in therapeutic management of infertility and developing suitable protocols for estrus synchronization and estrus induction in postpartum anestrous buffaloes and cattle so as to reduce calving interval.
- Characterization of indigenous Animal Genetic Resources of Jammu Division.
- Cryopreservation, semen handling and artificial insemination.
- Augmentation of fertility and control of calving interval through synchronized induction of oestrus and ovulation.

**TANUVAS, Chennai**

Tamil Nadu Veterinary and Animal Sciences University planned to conduct following National / International conferences /Trainings:

- International Conference on Innovative Education, Research and Extension Approaches for Transmitting Scientific Know-How to Augment Livestock Production in the Contemporary Scenario at Veterinary College and Research Institute, Orathanadu from 10-12 July 2024.
- International Conference on Impact of Climate Change on Biodiversity – A Global Perspective from 11-13 July 2024 at Madras Veterinary College, Chennai.
- International Conference on Global Approaches of Herbal Research in Livestock and Poultry for Green Animal Production, Healthcare and Farmers Livelihood and Second Annual Convention of Indian Society of Ethno Veterinary Herbal Research on 03 and 04 August 2024 at Veterinary College and Research Institute, Tirunelveli.
- International Conference on Small Holder Goat Production in the Tropical Countries – Opportunities and Constraints at Post Graduate Research Institute in Animal Sciences, Kattupakkam from 8-9 August 2024.
- International Conference and Clinical Conclaves in Veterinary Cardiology and Interventional Medicine along with pre-conference events at Madras Veterinary College, Chennai during 14-16 October 2024.
- National Conference on Laboratory Animal Welfare and Nutrition in Bio-medical Research, on 25 July 2024 at Veterinary College and Research Institute, Udumalpet.
- National Conference of VIBCON 2024 titled Challenges in Animal Health and Production Amidst Climate Change: Innovative, Sustainable Solutions and Their Translation, between 7 and 9 August 2024 at Madras Veterinary College, Chennai.
- National Conference on Equine Health and Nutrition 2024 on 14 August 2024 at Veterinary College and Research Institute, Udumalpet.

**TNAU, Coimbatore**

- Directorate of Extension Education, TNAU, Coimbatore will organize State Level Mega Farmers Day 2024 tentatively during 19-22 September 2024 at TNAU, Coimbatore.
- Centre for Water and Geospatial Studies (CWGS), TNAU, Coimbatore will organize an International Conference on Water and Agricultural Sustainability under Changing Climate (WASCC 2024) from 7-9 October 2024 in collaboration with the Association of Global Groundwater Scientists (AGGS) at TNAU, Coimbatore.

- Horticultural College and Research Institute, TNAU, Coimbatore and SoPHoST will organize an International Conference on Futuristic Horticulture (ICFH'24) scheduled during 14 and 15 November 2024 at TNAU, Coimbatore.
- Directorate of Planning and Monitoring will organize International Workshop on Higher Education during December 2024 at TNAU, Coimbatore

### **UAS, Bengaluru**

- PG Science week 2024 from 06-09 August 2024 at UAS, Bengaluru.
- District level Exhibition on Insect World at Hassan.
- Fourteen-week Certificate Course in Baking Technology.
- Four-week Baking Course.
- Awareness programme on National Breast Feed Week to be scheduled in the second week of August 2024.
- Training for Krishi Sakhi module.

**The IAUA congratulates  
Dr Rameshwar Singh, Vice Chancellor,  
Bihar Animal Sciences University, Patna,  
for successfully completing his tenure  
during June 2024 and conveys thanks  
for continuous and strong support to IAUA.**

