



IAUA NEWS

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Office: G-5, Office Block A, NASC Complex, Dev Prakash Shastri Marg, Pusa Campus, New Delhi 110012

Website: www.iauaindia.org, Tele:(O)011-25842422

E-mail: esiaua.newdelhi@gmail.com, iauaofficenewdelhi@gmail.com

45th Vice Chancellors' Convention Held at BAU, Ranchi

The 45th Vice Chancellors' Conventions of Indian Agricultural Universities Association (IAUA) was organized on the theme "Improving Standard, Sustainability and Societal Impact of Agricultural Universities" at Birsa Agricultural University (BAU), Ranchi on 20-21 December 2021 in hybrid mode.

The Vice Chancellors of State Agricultural/Horticultural/Animal Science Universities, Central Agricultural Universities and Deemed Universities of India attended the Convention (off-/on-line), shared their experience, knowledge, expertise, and gave an overview that how to improve standards and social impact of Agricultural Universities. The deliberations were made to align research and education in agricultural and allied disciplines in India in view of NEP 2020 during following four technical sessions conducted on the sub-themes selected for the Convention:



Hon'ble Governor, Jharkhand, Shri Ramesh Bais (centre) and Dignitaries releasing the Souvenir during Inauguration of 45th VCs Convention

- I. Achieving International Standard in Agricultural Education and Research in the Context of New National Education Policy
- II. Strategies to Increase Agricultural Productivity and Profitability with Development and Application of Appropriate Technologies
- III. Enabling Farmers' Access to Technology, Market, Credit and Extensions Services.
- IV. Creating Favorable Ecosystem for Entrepreneurship Development in Agricultural and Allied Sectors.

The Vice Chancellors, their representatives made technical presentations. Panel discussions were conducted in above mentioned four technical sessions and the plenary session of the Convention. The Convention was inaugurated by His Excellency, Governor and Chancellor of Universities, Jharkhand Shri Ramesh Bais ji.

The Annual General Body Meeting 2021 (AGBM-2021) of Indian Agricultural Universities Association (IAUA) was also convened in a hybrid mode on 20 December 2021 at BAU, Ranchi during the Convention. Dr R.K. Mittal, President, IAUA Chaired the meeting. Dr R.C. Srivastava, Secretary General, IAUA; Dr Arvind Kumar and Dr Parvinder Kaushal, Members, Executive Committee of IAUA were present in the AGBM. Dr V. Praveen Rao, Treasurer, IAUA attended the meeting on-line. Dr R. K. Mittal, President, IAUA in his initial remarks appreciated the activities carried out by the IAUA and member universities despite the limitations posed by the COVID 19 pandemic. He also thanked Dr O N Singh, Vice Chancellor, BAU, Ranchi for hosting the 45th VCs Convention. Later, the listed agenda items were discussed and decisions were taken on these.



IAUA Office bearers in General Body Meeting 2021 of IAUA held during 45th VCs Convention

NEW TECHNOLOGIES

VARIETIES/HYBRIDS RELEASED

Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu

Wheat

JAUW67–It is ideally suited for Kandi / rainfed areas of Jammu. Yield at Chatha is 57.8 q/ha; zonal mean, 54.5 q/ha.

Maize Popcorn

SJPC01– A yellow popcorn composite variety; yield potential, 28.6 q/ha; maturity, 110-115 days.

Mustard

JM 13-5– Maturity, 135-150 days; average yield, 16-18 q/ha; resistant to lodging and moderately resistant to white rust and *Alternaria* blight.

Gobhi Sarson

JGS 12-3– Maturity: 140-160 days; average yield, 16-18 q/ha; resistant to lodging and moderately resistant to white rust and *Alternaria* blight.

Moong

JAUM 0936– It exhibited 31.42% higher seed yield (12.38 q/ha) over check ML 818 (9.42 q/ha), 33.83% over SML 668; yield potential, 12-13 q/ha; highly resistant to pod borer, YMV, web blight and leaf crinkle virus. **Rajmash**

BR-39– Yield 14-17 q /ha; dark Maroon and shiny seed colour; bush type growth habitat.

Walnut

SJPW-1– Nut size is large with medium shell thickness and high kernel recovery. Resistant to anthracnose disease. The nuts matured during late September yielding 150-200 kg nuts/ tree.

Walnut

SJPW-2–Nut size is large with medium shell thickness. High kernel recovery. Resistant to anthracnose and walnut weevil. The nuts matured during 3rd week September yielding 100-150 kg nuts/ tree

JWSP-06– Nut yield 90 kg/tree. Kernel recovery (53.28%)

Kagzi lime

Sel 1001– The new variety is the best replacement for the existing seedling varieties/selections with respect to yield and quality characteristics of Jammu lime. Yield 10-15 kg/tree under rainfed condition.

MACHINES DEVELOPED

Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu

Manual Paddy Weeder

A manual paddy weeder for Jammu region was developed which consists of handle, main frame, rotors, mounting

brackets and float. The weeder was evaluated in the paddy field during the



study and it was found that the maximum weeding efficiency of prototype was 85.92%, maximum field efficiency 80.18% with minimum plan damage of 1.67%

PACKAGE OF PRACTICE

Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu

Livestock Protection

- Iodine deficiency in goats, sheep and cattle can be prevented by using following techniques:
 - Application of Tincture iodine (5%) on flank region @ 4-5 ml at weekly interval improves iodine status.
 - Iodized oil injection was found the most effective supplement as single injection @ 112.5 mg × S/C maintains iodine level up to 90 days.



Significant improvement in production and reproduction was recorded.

- Single oral dose of fluralaner was more effective in treatment of canine demodicosis.
- Anaemia in chronic renal failure in dogs can be treated successfully using Erythropoietin (rhEPO), while blood pressure derangements can be corrected with the help of ACE inhibitors (Ramipril) and hyperphosphatemia can be managed by dietary modifications and phosphate binder (sevelamer).

PRODUCTS & PROCESSING

Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu

Herbal Nectar from Bottle Gourd

Bottle gourd can be processed into nectar using basil and lemon juice in the ratios of 85:10:5, respectively. The prepared herbal nectar is rich in ascorbic acid (11.20 mg/100 ml), crude protein (0.79 %), calcium (21.07 mg/100 ml), phosphorus (37.37 mg/100 ml), total phenols (141.05 mg GAE/100 ml) and antioxidant activity (73.39 %). The formulated herbal nectar retained its quality throughout storage period of 90 days with total microbial load within safe limits.



Bottle gourd based herbal nectar

TEACHING

Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana

Mobile Application to Create Awareness on Antimicrobial Resistance

Dr Inderjeet Singh, Vice-Chancellor, GADVASU launched the mobile application for creating awareness amongst masses on antimicrobial resistance. The



Application developed under the ICAR Niche Area of Excellence Programme on '**Antibiotic Resistance: Animal-Human Interface**' comprises various chapters encompassing basic information on the use of antibiotics, mechanisms of antimicrobial resistance,

spread of antimicrobial resistance at human-animal-environment interface, information on the available diagnostics, prevention and control strategies on antimicrobial resistance, including international and national regulations. Dr Singh said that the awareness activities on public health issues assisted with the technological tools would be pivotal for reaching out to the masses with effective outcomes.

World Antimicrobial Awareness Week

Centre for One Health celebrated the **World Antimicrobial Awareness (AMR) Week** under the theme

'Spread Awareness, Stop Resistance'

proposed by WHO from 18th -24th Nov, 2021. The



week-long event witnessed following activities:

- Expert lectures were organized stressing upon the need to target human, animal and environmental sectors holistically and the importance of infection control and prevention to tackle the emerging AMR challenge.
- An awareness talk was delivered to the medical stream students of Govt. Senior Secondary School, Punjab Agricultural University, Ludhiana. Students were apprised about the concept of AMR, with emphasis on prudent use of antibiotics. They were also demonstrated basic microbiological techniques used for antibiotic sensitivity test. A quiz competition of students was organized, and the prizes were distributed to the winners.

Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu

New Programme/Course(s) Introduced:

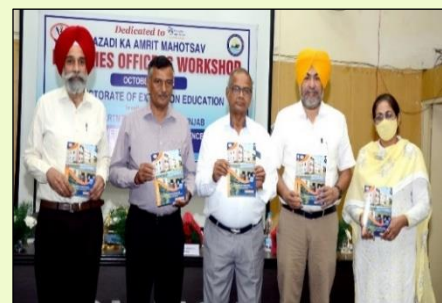
- Division of Food Science and Technology started M.Sc. programme in Post Harvest Management from academic year 2021-2022.
- Division of Fruit Science started B. Sc. (Hons) Horticulture programme in the session 2021-22.
- Division of Vegetable Sciences and Floriculture: B.Sc. (Horticulture) started under Faculty of Horticulture and course curriculum of Vegetable Science / Floriculture and Landscaping developed under M.Sc. (Horticulture).
- As per the BSMA the new course curriculum for M.Sc. and Ph.D. introduced and new degree programme are:
 - M.Sc. in Agriculture (Agril. Statistics)
 - Ph.D. (Agril. Statistics)

EVENTS AND ACTIVITIES

Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana

Fisheries Officers Workshop

Directorate of Extension Education organized 'Fisheries Officers Workshop' in collaboration with College of Fisheries, GADVASU and Department of Fisheries, Punjab. The workshop



offered a common platform to scientists, field staff of state fisheries department, extension

workers, farmers and students to get abreast with the technological advancements, emerging issues and required actions for sustainable development of fisheries sector.

Dr Inderjeet Singh, Vice Chancellor, GADVASU emphasized that the University and State Fisheries Department shall play an effectual complimentary role to ensure optimized economic utilization of freshwater and saline water fisheries resources available in Punjab. Dr Madan Mohan, Director and Warden Fisheries, Punjab was the Guest of Honour. Invited expert(s) dwelt upon the recent advances to diversify freshwater aquaculture and responsible shrimp farming in reference to best management practices to harness the higher economic returns.

National Symposium on 'Scientific Interventions to Address Challenges for Sustainable Buffalo Production'

College of Veterinary Science, GADVASU, Ludhiana in collaboration with Indian Society for Buffalo Development (ISBD), Hisar organized the National Symposium on 'Scientific interventions to address challenges for sustainable buffalo production' with the support of National Bank for Agriculture and Rural Development (NABARD), Government of India. A total of 200 scientists and students participated in the symposium.



Dr Inderjeet Singh, Vice Chancellor, emphasized on the pivotal role of buffalo in the economy of the country.

Dr Gurbachan Singh, Former Chairman, Agricultural Scientists Recruitment Board, New Delhi graced the occasion as the Chief Guest and Dr S.K. Ranjhan, Advisor, Hind Agro Industries Ltd, was the Guest of Honour.

Dr S.S. Dahiya, President, ISBD highlighted the

role played by this society in uplifting veterinary profession and livestock industry. Researchers presented their findings on aspects related to physiology, reproduction, breeding, genetics, health, socioeconomic and environmental aspects, nutrition and feed resources, milk, meat and their value addition, biotechnology and management of buffalo sector.

Dr Praveen Malik, Animal Husbandry Commissioner, Government of India was the Chief Guest of valedictory with Sh K.S. Sangha, Managing Director, Milkfed, Punjab.

Commencing 'Rashtriya Buffalo Mission' on the lines of 'Rashtriya Gokul Mission' to highlight role of assisted reproductive technologies; encouraging state-of-art biotechnological interventions to improve genetic potential of buffaloes; inventing a diagnostic tool for early pregnancy; developing an interactive and farmer friendly mobile application/e-Tool for insistence on biosecurity measures and transmission of its knowledge to livestock farmers; increasing area under fodder; ensuring sustainability in buffalo sector through a strong interface between human, animal and environment, keeping in view the triad of one health; and dissemination of cost-effective technologies to curtail post-production and post-harvest losses emerged as the major recommendations of symposium.

G.B. Pant University of Agriculture & Technology, Pantnagar

Governor of Uttarakhand Visited GBPUAT, Pantnagar

Hon'ble Governor of Uttarakhand, Lt. Gen. (Retd.) Shri Gurmeet Singh visited the University for two days i.e. 22-23 November 2021. During the first day of the visit, the historical Pantnagar Museum of the university established in the University Centre was inaugurated by the Chancellor. During the visit Vice-Chancellor, Dr Tej Partap and the

scientists concerned briefed the Governor about the undergoing research works at various research centers.

During the second day of the visit, Governor Shri Singh was briefed about the ongoing activities in the College of Agribusiness Management.

In the unit set up under the Directorate of Extension Education, Dr Anil Kumar Sharma gave detailed



information about extension programmes like fisheries-cum-poultry, goat rearing and different types of vegetables and fruits. Dean, College of Technology, Dr Alaknanda Ashok explained about the solar-powered portable cold storage useful for small and marginal farmers and also about the latest developed agricultural machinery for hilly areas. Hon'ble Governor, while praising the developed techniques related to agriculture, vegetables, fruits, etc. developed by the university, asked for transferring these techniques to the farmers.

Gandhi and Shastri Jayanti Celebrated

The university celebrated Gandhi and Shastri Jayanti on 2 October 2021. In the morning, Vice Chancellor, Dr Tej Pratap, with Deans, Directors,



officers, scientists, other employees and students garlanded the statues of Gandhiji and

Vice-Chancellor, Dr Tej Pratap, garlanded the statue of Gandhi ji and Shastri ji in Gandhi Park.

Shastriji in Gandhi Park and paid floral tributes. Lectures on the life and principles of the two great leaders of the nation were delivered by guests, and the audience was urged to follow ideals of these two leaders.

International Conference Organized in the University

Department of Soil and Water Conservation Engineering, College of Technology, organized a two-day international conference on 'Threats and



challenges to the sustainability of natural resources: contemporary remedial measures and techniques'. It was inaugurated by Registrar, Dr A.K. Shukla on 28 October 2021, and he spoke about the importance of sustainable development, natural resources, management and climate change in the present scenario. The president of the conference, Dr Akhilesh Kumar talked about the importance of proper management of natural resources and availability of water per capita and water scarcity. More than 92 researchers from 19 Indian states and countries like Peru, America, Canada, South Korea and Australia participated in this international conference and their research papers were presented online in seven technical sessions.

Seminar on Food & Nutritional Security of Rural Population

On the occasion of World Food Day, on 16 October 2021, a seminar entitled "Innovative ideas for food and nutrition security of the rural population" was organized at the Home Science College. More than 100 participants participated in the event which was also live streamed through zoom app with the farmers of Uttarakhand. In the event, students

presented their innovative ideas on major themes of Therapeutic Foods, Value addition, Medicinal Plants, Enterprise Development and Baked Products in Hindi language. Students also presented the recipes of various therapeutic foods like Moong dal laddo, Soybean namkeen, Peanut butter, and preparation of healthy products with medicinal plants like Alovera juice, Tulsi Neem Giloy juices, Cake, Biscuits, Muffins, etc.

Entrepreneurship Programme

Development



One day orientation programme of Entrepreneurship Development on candle making was organized on 22 October 2021 for the women of Beluwakhan village of district Nainital, in which 30 women beneficiaries participated. Demonstrations were given about gel and wax candle making process. Information was also imparted about procurement of the raw material and marketing of the product. The village is nearby Bhimtal, so the tourist can be targeted and can run this candle making venture across the year. The orientation was given by Dr Deepa Vinay, Dr Seema Kwatra and Dr Manisha Gahlot.

Farmers' Fair Organized

The 110th All India Farmers' Fair and Agro-Industry Exhibition, was organized in the University. Chief Guest, Shri Ravi Kiran Saini and special guest, Vice-President of Farmers Commissioner, Shri



Rajpal inaugurated the fair and after it the Vice-Chancellor, Dr Tej Pratap invited Mr Saini to inspect the garden exhibition and the stall of the university's college at the fair. In this fair, about 121 stalls of various firms, universities and other government institutions were set up and about 15,000 registered and unregistered farmers visited the fair. Gandhi Hall honored nine progressive farmers selected from different districts of the state by giving them a symbol and certificate on 7 October 2021, for their innovative experiments in agriculture and remarkable success. In the closing ceremony, trophies for best performance were presented to representatives of M/s Tyagi Agro Sales, Kichha, Udham Singh Nagar, for best stall and M/s Kisan Fertilizers Agency, Kashipur, Udham Singh Nagar, by the chief guest.



Navsari Agricultural University, Navsari

Trainings

Training Programme on Urban Horticulture

Department of Horticulture, College of Agriculture, Bharuch and Deputy Director Horticulture, Bharuch Jointly organized a training programme on Urban horticulture on 7 October 2021 at College of Agriculture, NAU, Bharuch.



Training Programme on Value Added Products from Horticultural Crops

A training programme on Value Added Products from Horticultural Crops, was jointly organized by Horticulture Polytechnic, ACHF, Navsari and Centre for Advanced Agricultural Science & Technology (CAAST) from 25-30 October 2021 at Navsari. The valedictory function was presided by Hon'ble Vice Chancellor Dr Z. P. Patel.



Training on Peri-Urban Horticulture

Training on Peri-urban Horticulture, was organized by College of Agriculture, Bharuch in collaboration with Department of Horticulture, Bharuch on 21 December 2021.

Seminar



Department of Plant Pathology and Entomology, Unit-4 (Pesticide Residue Analysis), NAHEP-CAAST Sub-project In Association with Plant Protection Association of Gujarat (PPAG), Navsari organized one-day state-level seminar on Maintenance of quality and safety of horticultural and food crops through biological control of pests and diseases on 30 December 2021.

Professor Jayashankar Telangana State Agricultural University, Rajendranagar

NABARD, APRO Visit AgHub of PJTSAU

A team of officials from National Bank for Agriculture and Rural Development (NABARD), Andhra Pradesh Regional Office (APRO) headed by Shri S. K. Jannawar, Chief General Manager and officers from 13 districts of Andhra Pradesh visited AgHub – Agri Innovation Hub of PJTSAU on 30 November 2021 to understand the interventions of AgHub in nurturing agritech startup while promoting student and rural entrepreneurship.



Dr V. Praveen Rao, Chairperson, AgHub and Vice Chancellor, PJTSAU pointed at how agriculture evolved from being monodisciplinary to multidisciplinary to a transdisciplinary domain that necessitates technological intervention to improve the data accessibility and decision making among farmers through innovative technologies of agritech startups.

Dr V. Praveen Rao, Chairperson, AgHub and Vice Chancellor, PJTSAU pointed at how agriculture evolved from being monodisciplinary to multidisciplinary to a transdisciplinary domain that necessitates technological intervention to improve the data accessibility and decision making among farmers through innovative technologies of agritech startups.

Shri S. K. Jannawar said that data is new fuel to ignite the agri innovation ecosystem and NABARD has been facilitating the cause by supporting agritech-focused incubation centers across the country, which are intern spurring collaboration among the agri stakeholders including agritech startups, farmers, students, academia, researchers, etc.

This meeting evinced the pitches of the Startups supported at AgHub under its Incubation Program, Agritech Innovation Pilot (AIP) program as well Co-Innovation programs. The presentations were made by startup founders Shri Prabir Mishra, TRST 01; Shri

Sandeep Kondaji, Krishitantra; Shri Trivikram, X Machines and Shri Kiran Kumar Dharamsoth, Terracent Materials.

5th International Agronomy Congress

The Fifth International Agronomy Congress (IAC) on Agri-Innovation to combat food and Nutrition Challenges, organized jointly by PJTSAU, Hyderabad and Indian Society of Agronomy (ISA), New Delhi from 23 to 27 November 2021 at PJTSAU Campus, Hyderabad. There were 14 sub-themes in the conference viz., climate resilient agriculture and eco system services, integrated farming system for sustainable peasant economy, agronomy innovation for tapping genetic potential, new vistas in biotic and abiotic stress management, secondary agriculture and farmers' prosperity, soil-plant-animal and human health continuum, Big data for smart agriculture, conversation agriculture, smart mechanization and energy use, agronomic education: a paradigm shift in the offing, advances in soil-microbes-plant-water and environmental technologies, farmers-scientist interface and scientists-industry-farmer interface. The conference consists of different plenary lecture, invited lecture, poster and paper presentations and exhibition. Eminent scientists from around the globe delivered their lectures during the conference. Few prominent names include Prof. Rattan Lal, World Food Prize Awardee, Prof. J.J. Volenec, President American Society of Agronomy, Prof. P.V. Vara Prasad, President, Crop Science Society of America, Dr Jackqueline d'Arros Hughes, Director General, ICRISAT, Hyderabad. Around 1,300 participants have registered for the conference in which about 600 participants attended in physical mode while 700 participants attended through virtual mode; 1,000 posters and 50 oral rapid presentations were made during the conference. Apart from these, 14 key note, 49 lead and 8 plenary lectures were scheduled during the conference.

The congress was inaugurated on 23 November 2021 at the University Auditorium, Rajendranagar. The Guests of honour included Prof. Samunder Singh, President International Weed Science Society, Brazil; Prof. P.V. Vara Prasad, President, Crop Science Society of America, USA; Prof. Panjab Singh, Chancellor, RLBCAU; and welcome address was given by Dr V. Praveen Rao, Vice Chancellor, PJTSAU and President, ISA. Inaugural address was delivered by Prof. Trilochan Mohapatra, Secretary (DARE) and DG, ICAR, New Delhi. As a part of the congress, eminent scientists were awarded for their achievements in agronomy and 10 publications were released on the occasion.

An exhibition was arranged with 50 stalls comprising Industries, Universities (Agriculture, Horticulture and Veterinary) and ICAR institutes for the benefit of the farmers, students and delegates of the conference. One hundred and four farmers from various states attended the scientist-industry-farmer interface during the conference.

Valedictory session was conducted on 27 November 2021 which was presided over by Dr Ashok Dalwai, CEO, NRAA, Government of India.



Dignitaries releasing a publication during the event

Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu

Workshop

One day workshop on Safe and judicious use of pesticides and adoption of good agricultural practices for production of Basmati rice, sponsored by APEDA, New Delhi was held on 10 October 2021 at Baba Jitto Auditorium, SKUAST-J, Main Campus, Chatha, Jammu under the Chairmanship of Padam Shri Dr V.P. Singh, Former Head Division of Genetics, IARI, New Delhi and a renowned Basmati Scientist of India. It was co-chaired by Dr Ritesh Sharma, Principal Scientist, Basmati Export Development Foundation, Modipuram, Meerut; Dr J.P. Sharma, Director Research, SKUAST-Jammu and Shri Kulbhushan Khajuria, Agripreneur. Heads of various divisions, scientists and about 200 basmati growing farmers and students participated in the programme. Dr Mahital Jamwal, Dy. Director Research and Dr Bupesh Sharma, Scientist, Division of Plant Breeding, were the rapporteurs, while proceedings of the programme were carried out by Dr Pradeep Wali, Associate Director Research and Sh. Ashok Kumar from Doordarshan Jammu.

QRT (Pulses)- North Zone

QRT on Pulses for North Zone was conducted at SKUAST-J, Chatha on 22-23 October 2021, in which AICRPs (Pulses) centres of North Zone, namely PAU, Ludhiana; CCS HAU, Hisar; GBPUAT, Pantnagar; ARS, Sriganaganagar; RARI, Durgapura; ARS, Bikaner; SKUAST-K, Srinagar; SKUAST-Jammu, Samba; CSKHPKV, Palampur; and IIPR, Kanpur, participated and wherein Prof. J.P. Sharma, Vice Chancellor was the Chief Guest, while Chairman QRT, Prof. S. K. Sharma, former Vice Chancellor CSKHPKV, Palampur, and Dr G.P Dixit, Project Coordinator (Chickpea), ICAR-

IIPR, Kanpur and other QRT members namely Dr D.P. Singh, Ex. Director (Research), GBPUAT, Pantnagar; Dr D.K. Sharma, Ex. Director, CSSRI, Karnal; Dr D.B. Ahuja, Ex. Director, NCIPM, New Delhi; Dr P. Kumar, Ex. Head, Agril. Economics, IARI, New Delhi; and Prof. K.R. Koundal, Ex. Director, NIPB, IARI, New Delhi attended the meeting in person and virtual modes.

Training

Following training programmes were organized by the university during Oct-Dec 2021.

- Programme on Processing and value addition of fruits and vegetables organized by Directorate of Extension in collaboration with Division of FST, SKUAST, Kashmir.
- Programme on Processing and value addition of milk organized by KVK Jammu.



- Division of Agronomy organized trainings for Officials of Agriculture Department on Rice Residue Management on 16.11.21 and 10.12.21.
- Division of Food Science & Technology organized Training programme on value addition of Aonla and processing of Kinnow squash on 13-14 Dec 2021 in the Division of FST at Chatha in collaboration with SKUAST-K, Srinagar.

- Division of Food Science and Technology organized Training programme on utilization of byproducts of fruits and vegetables in collaboration with SAMETI, SKUAST-J, Chatha on 16 and 17 December 2021.

Farmers' Fair

North Regional Agriculture Fair

Five-day Regional Agriculture Fair (Northern region)

approved by Ministry of Agriculture and Farmers

Welfare, GoI, was organized

at SKUAST-Jammu Main Campus Chatha w.e.f.

07-11 October 2021. The major activities

of the Fair were:

Innovative Farmers'

Conference, Exhibition/ Stalls, Field Visits, Kisan Ghosti, Vegetable, Fruit and Flower Show, Animal Show, Pet Show, Workshop on Innovations in Packaging, Beekeepers Conference, Workshop on Medicinal and Aromatic plants, Ex-Trainee Sammelan, Rural Sports and Cultural programme.

Tamil Nadu Agricultural University, Coimbatore

International Conference on Future Prospects in Plant Breeding

An International Conference on Future Challenges and Prospects in Plant Breeding,

was organized by the Indian Society of Plant Breeders and Centre for Plant Breeding and Genetics, TNAU, Coimbatore during 6-7 October 2021.



Dr N. Kumar, Vice Chancellor, TNAU inaugurated the Conference. The key note address was delivered by Dr T. R. Sharma, DDG (Crop Science), ICAR, New Delhi. Dr R. Meenakshi Sundaram, Director, IIRR, Hyderabad delivered felicitation address. A total of 26 lead papers from scientists of national and international repute, 24 oral presentations by researchers across the country and 321 research posters by scholars and researchers, were presented.

42nd Annual Convocation 2021

The 42nd Annual Convocation of TNAU was held on 01.11.2021. Shri R.N. Ravi, the Governor of Tamil Nadu and the Chancellor of TNAU presided over the Convocation and delivered the Presidential



address. On this occasion, Dr Trilochan Mohapatra, Director General,



Indian Council of Agricultural Research and Secretary, Department of Agricultural Research and Education, Government of India, New Delhi, Dr N. Kumar, Vice Chancellor, TNAU, Shri Anandrao V. Patil, IAS, Secretary to

Governor, and other dignitaries participated. On this occasion, 1014 '*In person*' Candidates and 460 '*In absentia*' Candidates of the Constituent Colleges, 1128 Candidates from Affiliated Colleges were conferred their degrees; and 45 students of Doctoral, Postgraduate and Undergraduate programmes received awards for their outstanding performance from the Governor.

Global Conference on Agricultural Genomics

Centre for Plant Molecular Biology and Biotechnology (CPMB&B) of TNAU organized an International Conference on 'Agricultural Genomics 2021: Progress and Prospects' during 21-23 October 2021. Dr N. Kumar, Vice-Chancellor, TNAU inaugurated the Conference. Dr Aravind Kumar, Deputy Director General of ICRISAT, Hyderabad, the Chief Guest of this function appreciated the research initiatives from TNAU in the field of genomics and gene editing techniques. Padma Vibhusan Dr M. S. Swaminathan, Founder, MSSRF offered his greetings and blessings and Dr P. K. Agarwal, Vice-Chancellor, OUAT, Bhubaneswar delivered the Valedictory Address. Totally, 294 participants attended the Conference besides 31 International and National scientists deliberated on their genomics works.

International Conference on Global Perspectives in Crop Protection

An International Conference on 'Global Perspectives in Crop Protection for Food Security' (GPCP 2021) was organized in



commemoration of Golden Jubilee celebrations during 8-10 December 2021 by the Centre for Plant Protection Studies, TNAU, Coimbatore. Dr K. Prabakar, Director and Organizing

Chairman gave an outline of the conference. Dr S. Rajendra Prasad, Vice-Chancellor, University of Agricultural Sciences, Bengaluru delivered the keynote address and Mr S. S. Vaseeharan, Deputy General Manager of NABARD, Chennai offered felicitations. Totally, 575 delegates including 63 invited speakers comprising 17 foreign speakers and stakeholders from various parts of the world participated both virtually and offline.

Indo-Ukraine International Seminar on Renewable Energy

An International Seminar on 'Technology Conversion of Biomass and Renewable Energy to Power Local Communities' was organized by National University of Life and Environmental Sciences (NULES), Kyiv, Ukraine in collaboration



with TNAU, Coimbatore and Polissya State University, Republic of Belarus on 9.12.2021 in hybrid mode. The seminar was attended by 37 lead speakers from 3 countries viz., India, Ukraine and the Republic of Belarus. The moderator of this event was Dr. Andriy Zhiltsov, Head of the Department of Electrical Engineering, Electromechanics and Electrical Technologies of NULES, Ukraine.

International Conference on Emerging Green Energy Technologies

The faculty of Agricultural Engineering College and Research Institute along with the students of B. Tech. (Energy and Environmental Engineering) organized Ecofest'21, an

International Conference on Emerging Green - Energy Technologies and Environmental Sustainability on 20.12.2021 to commemorate the National Energy Conservation Week. The

Conference was organized with the core theme of 'Green Energy Technology for

Sustainable Living'. Dr B. Shridar, Dean, AEC and RI delivered the presidential address. Dr

Kamaruzzaman Sopian, Professor, University of Kebangsaan, Malaysia delivered Theme Address. Mr Ram Menon, Co-founder & Chief Technology Officer, Prescinto Technologies, Ahmedabad presented the keynote address. Dr A. S. Krishnamoorthy, Registrar and Acting Vice-Chancellor inaugurated the Conference. Over 350 participants across the globe joined the conference and exhibited their excellence in oral and paper presentations.



ATAL – FDP on Future Trends in Green Energy Technologies

Faculty Development Programme (FDP) on 'Future trends in Green Energy Technologies for Sustainable Development' was organized by the

Agricultural Engineering College and Research Institute (AEC & RI), TNAU, Coimbatore through virtual mode during 25-29 October, 2021 with the support of AICTE Training and Learning (ATAL) Academy. The training



programme was inaugurated by Dr N. Kumar, Vice-Chancellor, TNAU, Coimbatore. The technical sessions of the training programme were delivered by the professionals in the domains of Education, Research and Industries from Spain, United Arab Emirates and India. Totally, 141 participants from 19 different states participated in the training programme.

Farmers' Mela on Management of Maize Fall Armyworm

Department of Agricultural Entomology, TNAU, Coimbatore

organized a mega

Farmers' mela on

28.12.2021 as

a part of the

Government

of Tamil Nadu

funded

special project

on

'Developing

Integrated

Pest Management

Module for Maize

Fall Armyworm

and Validation under

Area Wide

Integrated Pest

Management (AWIPM)

through

Farmers' Participatory

Approach', to showcase

the basic and strategic

research taken up for

the past two years. Dr N.

Sathiah, Professor

and Head, Department

of Agricultural

Entomology and Nodal

Scientist of the Project

welcomed the gathering.

Dr K. Prabakar,

Director, Centre for Plant Protection Studies and Team Leader of the Project deliberated on the integrated pest management practices for the management of fall armyworm. Use of unmanned aerial vehicle (UAV) for insecticide spraying in maize, seed treatment with insecticides and use of biocontrol agents for the management of fall armyworm were demonstrated. Around 580 farmers



participated and were benefitted by the information.

University of Agricultural Sciences, Dharwad

35th Foundation Day of UAS, Dharwad

“Agriculture Universities, Scientists, Graduates and Government should diversify their thinking and give importance to value addition of agricultural products,” said Union Minister of Coal, Mines and Parliamentary Affairs,



Unveiling Krishi Dhara - logo for the technological products of the University and release of various agricultural technology publications by the dignitaries.

Government of India Sri Pralhad Joshi after inaugurating the 35th Foundation Day of UAS, Dharwad on 1 October 2021. Agriculture Minister, Government of Karnataka and the Pro-Chancellor of the UAS, Dharwad Sri B.C. Patil expressed his concern towards farmers that agriculture is developing but farmers are not prospering. In this connection, farmers should give importance to processing, value addition and branding related activities. Chairman of the Karnataka Legislative Council Sri Basavaraj Horatti stressed upon the need of integrated farming to stabilize farmers' income. Member of Legislative Assembly, Dharwad (Rural) Sri Amrut Ayyappa Desai during his presidential remark shared his successful experiences in farming by adopting technologies of UAS, Dharwad. He encouraged the agriculture graduates to become job providers not job seekers. On this occasion Krishi Dhara- logo for UAS Dharwad technological products and various agricultural technology publications of the university were also released by the dignitaries. Vice-Chancellor, Dr Mahadev B. Chetti welcomed

the guests, Dr B.D. Biradar, Dean (Agri) and campus head proposed vote of thanks and Dr K.V. Ashalatha anchored the programme.

Celebration of Gandhiji and Lal Bahadur Shastri Jayanthi at UAS, Dharwad

UAS, Dharwad celebrated 152th birth anniversary of Mahatma Gandhiji and 118th birth anniversary of Lal Bahadur Shastri on 2 October 2021.



Tribute to Gandhiji and Lal Bahadur Shastri Chief Guest Sri. Basavaprabhu Hosakeri and Vice Chancellor Dr. M.B. Chetti paying

Speaking on the occasion, Chief Guest, Shri Basavaprabhu Hosakeri, farmers lawyer, said that Gandhiji fought not only for political but also for social and economic freedom. The greatest tribute one can pay to Mahatma Gandhi is by adopting truth and non-violence in life. Gandhiji explained sustainability in very simple words. By purchasing Khadhi we are providing economic freedom to many families. President of the function, Vice-Chancellor, Dr M.B. Chetti recollected contributions of Sri Lal Bahadur Shastri. He also explained the achievements of Bharat Ratna Shri Lal Bahadur Shastri, former Prime Minister who coined the term “Jai Jawan - Jai Kisan” which is more relevant in the present context. The ideologies of these to great leader's viz., truth and non-violence should become part and parcel of every walk of every one's life, he further urged. Members, Board of management Sri Shashimouli Kulkarni, Sri Y. N. Patil, Sri Mallesh P, Office bearers of different associations, Officers, staff and students participated.

34th Convocation of University of Agricultural Sciences, Dharwad

Governor of Karnataka and Chancellor of UAS, Dharwad Shri Thawarchand Gehlot presided over the 34th convocation held on 18.10.2021 and

conferred the degrees and other awards.

Vice-Chancellor, Dr Mahadev

B. Chetti introduced and

welcomed the

Governor of Karnataka State and Chancellor of UAS, Dharwad Shri Thawarchand Gehlot and Founder and CEO of SELCO India Dr Harish Hande Chief Guest of the convocation. He outlined achievements of the university.

A total of 911 candidates were conferred with various Degrees at the 34th Convocation. Of these, 799 received the Degree “in person” from the Chancellor. The remaining 112 candidates were conferred respective Degrees “in absentia”.

During the convocation, 601 Undergraduates were conferred Degrees in different faculties, namely, Agriculture- 406, Agricultural Marketing & Co-operation- 63, Forestry- 62, Home Science- 39 and B. Tech (Food Technology)- 31.

A total of 247 candidates received Postgraduate Degrees leading to M.Sc. (Agriculture) –208, M.B.A (Agribusiness) – 4, M.Sc. (Forestry) – 8, M.H.Sc. –22, and Food Technology-5. Of these, 198 received the Degree “in person”.

The Degree of Doctor of Philosophy was conferred to 63 candidates of whom, 56 received Degree “in person”.

Fifty-three Gold Medals and 9 Cash prizes are also presented to the meritorious students.



Hon'ble Governor of Karnataka State and Chancellor of UAS, Dharwad Shri Thawarchand Gehlot presided over the 34th convocation and conferred the degrees & other awards, Vice-Chancellor; Dr. Mahadev B. Chetti was present.

Workshop on “Innovations in Agri-Biotechnology & Entrepreneurial Skill Development”



Team BIRAC-UIC, Department of Biotechnology, Resource persons, Participants of the workshop organized at UAS, Dharwad.

Former Coordinator, IABT, UAS, Dharwad, Dr M.S. Kuruvinaashetti inaugurated the workshop on “Innovations in Agri-Biotechnology & Entrepreneurial Skill Development” organized under BIRAC-NInC-UIC project at UAS, Dharwad on 25.11.2021 funded by Biotechnology Industry Research Assistance Council (BIRAC), Department of Biotechnology, and Government of India. He pointed out the importance of the innovations in the field of agriculture and biotechnology.

Vice-Chancellor, UAS, Dharwad, Dr Mahadev B. Chetti emphasized the significant contributions of Dr M. S. Kuruvinaashetti in establishing the department of Biotechnology along with cooperation of former Vice-Chancellor Dr M. Mahadevappa in the year 1995. Prominent speakers of the workshop were CSO & Director, Shilpa Biological Pvt. Ltd, Dr. K. R. Rajyashri, Prof. Genetics, Plant Breeding & Biotechnology (Rtd.), UAS, Bengaluru, Dr H. E. Shashidhar, Prof. KSAMB Chair, Dept of Agmaco & BM (Rtd.), UAS, Bengaluru, Dr T.N. Venkata Reddy, Mr Abhinav J. V., Founder & MD, Nisargam Pvt. Ltd and Mr. Deepak Bhajantri, Founder & CEO, Krimmi Biotech LLP, who shared ample knowledge regarding Entrepreneurship, Innovations in Agri-Biotechnology. Dr B. D. Biradar, Dean

(Agri.) welcomed the guests. The programme was organized by Dr Narayan Moger, Chief UIC Coordinator, BIRAC-UIC, Professor & Head and Ms Rubiya Nadaf, UIC Coordinator, BIRAC-UIC, Department of Biotechnology, AC, Dharwad.

ASSORTED ACHIEVEMENTS

Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana

GADVASU Biotechnologist Bags FAO-FAVA Project

Dr Yashpal Singh Malik, Dean, College of Animal Biotechnology acted as Principal Coordinator and Investigator (PCI) in the Food and Agriculture Organization-Federation of Asian Veterinary Association (FAO-FAVA) Antimicrobial Resistance (AMR) Survey on the Priority Bacterial Pathogens in the Asia-Pacific Region. The project is taking in its ambit the study of use of antimicrobials in animal farming system in India, making a ground zero report based on the response of stakeholders from cattle, pig, poultry and aquaculture, which was submitted successfully to FAO-FAVA.



NABARD Funded Project on Formation of Farmer Producer Organization (FPO) of Dairy Farmers

KVK, Booh (Tarn Taran) received a research project from the National Bank for Agriculture and Rural Development (NABARD) for the 'Formation of Farmer Producer Organization (FPO) of Dairy Farmers at Border Area of District Tarn Taran'. The outcome of the project will be pivotal to enhance the economic strength and



market linkages of farmers. Formation of FPO will facilitate the dairy farmers to ensure clean milk production and value addition of dairy produce at the border belt of Punjab

Navsari Agricultural University, Navsari

Awareness of Export of Banana from South Gujarat

The Department of Agricultural Economics, N. M. College of Agriculture organized one-day farmers' training programme on "Awareness of export of banana from South Gujarat" on 10 December 2021. Vice-Chancellor Dr Z. P. Patel elaborated the importance of banana export, value addition and post-harvest management of banana, and also released a book on 'Awareness of export of banana from South Gujarat'.



Inauguration of the NTFPs & MAPs Museum

The NTFPs & MAPs Museum established at College of Forestry, Navsari under NAHEP-CAAST sub-project as a part of strengthening existing facilities was inaugurated by Vice-Chancellor Dr Z. P. Patel on 27 November 2021. Vice-Chancellor dedicated the museum to farmers, students and faculties, and emphasized that NTFPs & MAPs cultivation and/or harvesting can be a game changer for tribals and forest dwellers. He called for the identification,



conservation and sustainable utilization of wild NTFPs & MAPs. This museum has been created and strengthened with various kinds of major and minor NTFPs & MAPs collections during short visits, exposure visits by the faculty of CAAST across the country. A manual on MAPs and six pamphlets on success stories were also released on this occasion.

Mobile Application “Butting Animal Science” Launched

The Vice- Chancellor, Dr Z. P. Patel launched a mobile application named "Butting Animal Science" under NAHEP-CAAST project on 29 November

2021. The purpose of developing this mobile application is to provide a platform for all UG and PG students aspiring to appear in ICAR PG Scholarship exam, ICAR-NTS (UG/PG), ICAR-JRF/SRF, ICAR-NET as well as ARS and other competitive examinations in the subject of Veterinary and Animal Science. Presently the app has 4,000 questions from different subjects of Animal Science which may be updated up to 7,000-8,000 in future. This feature loaded App can be used by students in Formative or Mock test modes, and will be available for both Android and iOS platform. This app will be available to all users free of cost so that maximum students can benefit from this initiative.



Professor Jayashankar Telangana State Agricultural University, Rajendranagar

Drone with Advanced Deep Vision and Close Sensing Facility

Dr V. Praveen Rao, Vice-Chancellor, PJTSAU launched a drone that was developed by Sense

acre Labs with a ten-band multispectral sensor, which enables deep vision and close sensing at AgHub, PJTSAU, on 15 December 2021. The technology used in these drones



involves high resolution image processing with high performance computing using Artificial Intelligence and Machine Learning algorithms for detection and annotation.

Dr V. Praveen Rao addressed the current gaps and challenges in the agriculture ecosystem and pointed out at the opportunities for tech-based ventures. He also pointed on the use of data-driven technology and emphasized that data is the real fuel in the time ahead. The Vice-Chancellor stressed on the fact that technologies which bring more value proposition to the farmers should be supported and encouraged.

Mr Vinod Kumar, Founder and CEO, Sense acre Labs LLP said, “Any saving to farmer in reducing input costs, better water management, better yield and healthy crop is a positive outcome. These technologies are evolving and new to Indian market. Any positive message in any form to farmers, governments, FPOs, Cooperative societies, Corporates in food business, agrochemicals will create positive outcomes.”

Dr Sarath Babu, Officer-in-Charge, Hyderabad Division, National Bureau of Plant Genetic Resources appreciated the attempts of the start-up and recommended that such initiatives in the technological space should be taken-up as it is the need of the hour.

Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu

Academic

- M.V.Sc. Pass out students qualified ICAR-SRF and got admission in Ph. D. programme at GADVASU, Ludhiana, Punjab, ICAR-NDRI, Karnal, Haryana and GBPUA & T, Pantnagar, UK.

FPOs Established

Offices of 02 Farmer Producer Organizations inaugurated at Mandi and Haveli blocks of Poonch district as given below:



- Poonch Farmer Producer Cooperative Ltd: RCS/J&K/2267-FPO
- Mandi Walnut Farmer Producer Cooperative Ltd.: RCS/J&K/2266-FPO
- Celebration of Mahila Kisan Diwas by all KVKs.



Participants of Mahila Kisan Diwas

Natural Farming

Webcasting of address of Prime Minister Shri Narendra Modi in Conference on "Natural Farming" was organized by all KVKs on 16 December 2021.



Health Clinic Camps

- Deworming as well as Clinical Camp was organized at Sumbli, Samba on 5-10-2021 and a total of 40 farmers were benefited.
- A total of 2,081 cases were treated in Clinical Complex of the FVSc. & AH, R. S. Pura.
- 3,540 cases were treated at Veterinary Clinical Camp in Collaboration with Army under operation SADBHAVNA, on 3 December 2021.
- 700 cases were treated at Veterinary Clinical Camp in collaboration with KVK, Poonch on 21-22 December 2021.
- Deworming camp under project "Sustainable Management of Parasitic Diseases in Migratory Flock & Dairy Animals in Jammu Region" was organized at Surarra, Block Ghagwal, Samba on 15-12-2021 and a total of 1000 animals were treated.

Tamil Nadu Agricultural University, Coimbatore

Research

TNAU - Israel Dialogue on Research Partnerships

Mr Jonathan Zadka, Consul General of Israel to South India along with Ms Limor Bletter, Deputy Chief of Mission, Mr Joseph Abraham, Counsel for Trade and Economic Affairs of Israel visited TNAU on 27.10.2021,



to initiate dialogue on mutually beneficial research collaborations with TNAU. Dr N. Kumar, Vice-Chancellor welcomed the Consul General of Israel and the Israel delegates and expressed interest to collaborate with Israel in the areas of mutual interest. The Consul General of Israel and the team visited different centres and interacted with scientists of the University. The Consul General expressed interest to undertake a joint research project on biological waste water treatment in TNAU.

Extension

Interface Meet on Accelerating Agricultural Exports

TNAU and Agricultural and Processed Food Products Export Development Authority (APEDA)

organized an Interface meet on 'Accelerating Agricultural Exports in Southern Districts of



Tamil Nadu' on 22.10.2021 at Agricultural College and Research Institute (AC&RI), Killikulam. Dr K. Eraivan Arutkani Aiyathan, Dean, AC&RI, Killikulam welcomed the gathering. Dr N. Kumar, Vice-Chancellor, TNAU, Coimbatore delivered the presidential address. Dr M. Angamuthu, IAS, Chairman and APEDA, New Delhi delivered the special address. The interactive session was moderated by Dr S. D. Sivakumar, Director, ABD, Directorate of Agribusiness Development (DABD), TNAU, Coimbatore, Mr R. Ravindra, DGM, APEDA and Ms Shobana Kumar, Region in-charge, APEDA, Tamil Nadu. Around 400 participants including FPOs, Farmers, Agripreneurs and District level officials from Agriculture Departments, NABARD, Banks, TNAU scientists and other export oriented organizations attended the meeting.

State Level Training on Scientific Beekeeping

'State Level Training on Scientific Beekeeping' sponsored by National Bee Board, Ministry of Agriculture and Farmers Welfare, Government



of India, New Delhi was organized during 16-22nd December, 2021 at the Department of Agricultural Entomology, TNAU, Coimbatore. Around 25 farmers / beekeepers from different parts of Tamil Nadu were selected with the help of KVKs, participated.

AWARDS & RECOGNITION

Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana

Dr Inderjeet Singh, Vice Chancellor Elected as the President of Indian Society for Buffalo Development

- Dr. Inderjeet Singh, Vice-Chancellor, GADVASU has been elected as the President of the Indian Society for Buffalo Development (ISBD) in the General Body Meeting of the society. The outgoing President Dr S. S. Dahiya congratulated the new executive committee and put across his faith in the able leadership of Dr Singh to carry forward the good work of ISBD.



- In the same meeting, Dr SPS Ghuman, Dean, College of Veterinary Science, GADVASU was elected as the Secretary of the Indian Society for Buffalo Development (ISBD).



GADVASU Biotechnologist Recognised for his Scientific Contributions

- Dr Yashpal Singh Malik, Dean, College of Animal Biotechnology was inducted as a member of the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) of the Central Government published in the official Gazette of India for the period of 2021-2023.
- Dr Malik was awarded with 'Certificate of Excellence in Academics and Research' by the Indian Veterinary Association during the Annual Conference-cum-Seminar held at Bihar Veterinary College, Patna for his outstanding contribution to the Veterinary Profession.



Fellow of Indian Association of Veterinary Pathologists (FIAVP)

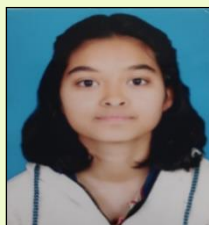
Dr Kuldeep Gupta, Professor was conferred as 'Fellow of Indian Association of Veterinary Pathologists (FIAVP)' for the year 2021 for his contribution to the advancement of Veterinary Pathology in the Virtual International Veterinary Pathology Conference-2021 organized by the Department of Veterinary Pathology, Rajasthan University of Veterinary and Animal Sciences, Bikaner.



G.B. Pant University of Agriculture & Technology, Pantnagar

Ms Padmini Joshi Received Second Prize in National Elocution Contest

Ms Padmini Joshi, a third-year student of B.Sc. Community Science received second prize in the National Elocution contest of National Agricultural Science Congress organized by the National Academy of



Agricultural Sciences (NAAS) held at Banaras Hindu University, Varanasi, Uttar Pradesh from 13-16 November 2021.

Earlier she qualified as runner up of Zone V-Student Elocution Contest held on 26 October 2021 on the theme "Energy and Agriculture: Challenges in 21 Century" and was recommended for National Student Elocution contest.

Professor Jayashankar Telangana State Agricultural University, Rajendranagar

12th Agriculture Leadership Awards 2021



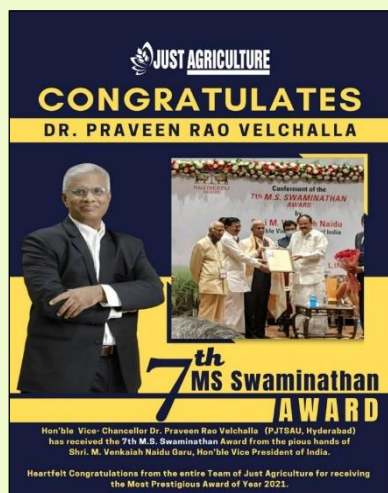
Dr. V. Praveen Rao, Vice Chancellor, PJTSAU receiving Academic Leadership Award from Shri Narendra Singh Tomar

Dr V Praveen Rao, Vice- Chancellor, PJTSAU, was bestowed with the Academic Leadership Award-2021 by Agriculture Today Group. Union Minister of Agriculture & Farmers' Welfare, Shri Narendra Singh Tomar ji presented the award on 21 October 2021 at New Delhi. Policy leadership award for the State of Telangana was also received by Dr V. Praveen Rao on the behalf of the Government. of Telangana.

7th M.S. Swaminathan Award

Dr V. Praveen Rao, Vice- Chancellor, PJTSAU received the prestigious 7th M. S. Swaminathan Award instituted by the Retired ICAR Employees Association (RICAREA) and sponsored by M/s Nuziveedu Seeds (P) Ltd,

which was presented on 8 December 2021 by Vice President of India, Sri M. Venkaiah Naidu. The award ceremony was graced by the Minister for Agriculture, Telangana Sri S. Niranjan Reddy and other important personalities of the agricultural fraternity.



Indian Society of Agronomy felicitated Dr Praveen Rao PJTSAU on 17 December 2021 in view of being honoured with 7th M. S. Swaminathan award.

Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu

- Dr Mahital Jamwal, Deputy Director in the Directorate of Research of SKUAST-Jammu, awarded Dr B.P. Pal Memorial Award-2021 during 12th International Conference on Agriculture, Horticulture and Food Sciences, organized by The Society of Tropical Agriculture, New Delhi-110002, at Shimla (Himachal Pradesh) on 29-30 December 2021.
- NAAS Fellow 2021: Dr J.P. Sharma, Vice-Chancellor, SKUAST Jammu.
- “SAAR Distinguished Teacher Award – Animal Sciences” by Society of Agriculture and Allied Research to Dr. Jonali Devi, Professor and Head, Division of VPB, FVSc & AH, SKUAST-Jammu.

Tamil Nadu Agricultural University, Coimbatore

Soil Scientist Conferred with National Fellow

Dr R. Santhi, Director, Directorate of Natural Resource Management, TNAU, Coimbatore was conferred with Fellow of

Indian Society of Soil Science (ISSS), New Delhi in the 85th Annual Convention of



ISSS held at Visva - Bharati, Sriniketan, West Bengal on 16.11.2021. This honour was bestowed in recognition of her outstanding contribution in Soil Test Crop Response and Integrated Plant Nutrition System (STCR-IPNS) research for over 25 years. She released DSSIFER 2010 & 2020 updated computer software for providing soil test and yield target based fertilizer prescriptions to various crops. As a Team Leader, she made strenuous efforts in preparation of GPS and GIS based Soil Fertility Maps and Nutrient plan for 11 districts of Tamil Nadu.

ISA Fellow Award to Dr A. Velayutham

Indian Society of Agronomy organized 5th International Agronomist Conference at Hyderabad, Telangana state in which Dr A. Velayutham,

Dean, Agricultural College, Thanjavur, a constituent college of TNAU, was



awarded with the prestigious ISA Fellow-2018 owing to his accomplishments and findings in the field of Agronomy.

Ph.D. Scholars Won Prime Minister Fellowship

The Prime Minister Fellowships are awarded to scholars who pursue their Doctoral programmes in the cutting-edge technologies involving industries and academia so as to provide dual benefit to emerging scientists in the educational institutes. This year, two Ph.D. Scholars Mr D. Pradeep and Ms S. Shanmugapriya from the Department of Nano Science & Technology, TNAU, Coimbatore were awarded with the prestigious PM Fellowship.



TNAU Ranked Fourth Position among SAUs by ICAR

On the occasion of Agricultural Education Day celebrated by Indian Council of Agricultural Research (ICAR) on 03.12.2021 at Krishi



Bhawan, New Delhi. Shri Narendra Singh Tomar, the Union Minister for Agriculture and Farmers Welfare released the ICAR Ranking for the year 2020. TNAU attained 8th rank among the 67 Agricultural Institutes, 4th among the State Agricultural Universities and 2nd among the Southern Agricultural Universities. This could be achieved due to major efforts taken in imparting quality education, transforming the outlook of students on a holistic perspective, attracting more external agency funded schemes besides quantitative increase of quality publications. Dr A. S. Krishnamoorthy, Acting Vice-Chancellor and Registrar along with Dr J. Venkata Pirabu, Director, Planning and Monitoring and other University Officers witnessed the declaration of ranking by the ICAR.

University of Agricultural Sciences, Dharwad

Honorary Fellowship to Vice-Chancellor UAS, Dharwad

The Vice-Chancellor, UAS, Dharwad Dr Mahadev B. Chetti, was honored with prestigious Honorary Fellowship of Karnataka Science and Technology Academy, a Unit of Department of Science and Technology, Government of Karnataka, in recognition of his contributions to



Dr Mahadev B. Chetti

Science, Technology, Agriculture, Engineering & Medicine (STEAM), in pursuance of the decision of the Executive Committee at its XIV Meeting held on 29 October 2021. The Honorary Fellowship, apart from invitations to all programmes of the Academy, entitles to nominate scientists, technologists and science communicators of repute of Karnataka origin, to the Awards, Honorary Fellowships and Fellowships, in the twelve Domains of the Academy (two per domain per year), on an annual basis.

MoUs

G.B. Pant University of Agriculture & Technology, Pantnagar

University Signed MoU with Uttarakhand State Disaster Management Authority

In the presence of Vice-Chancellor, Dr. Tej Pratap Dean, College of Technology, Dr Alaknanda Ashok and Chief Executive Officer, State Disaster Management Authority, Mr Savin Bansal signed an MoU on 4 October 2021 to establish centers in the university. Two

regional level 'Technical Demonstration Unit' will be established under the National Seismic Risk Mitigation programme under the leadership of National Disaster Management Authority (NDMA), Government of India in the College of Technology of the University, where students will be provided training on various topics related to disaster management.



Agreement Signed with FMC India Pvt. Ltd.

The agreement was signed between the College of Post-graduate Studies of GBPUA&T, Pantnagar, and FMC India Pvt. Ltd, Mumbai on 1 December 2021 at the University Center for



supporting postgraduate students in conducting quality research work and to provide scholarships to selected students. This agreement will ensure the contribution of agriculture in nation-building by providing scholarships to 4 postgraduate students of the university during the period of their degree and to other selected students, according to the needs of industrial units and farmers through research work. The chief guest of the programme, Vice-Chancellor, Dr Tej Partap described this agreement as very beneficial for the students of the university.

Navsari Agricultural University, Navsari

The University inked three ToT MoUs with following private parties for the commercial

scale production and marketing of NOVEL organic liquid nutrients:

- KTD Agro Bio-Technologies Pvt. Ltd, Khamgain, Buldana, Maharashtra (ToT for NOVEL organic liquid nutrient production and sale on 12 October 2021)
- GHK Organic Pvt. Ltd, Zagadia, Bharuch, Gujarat (ToT for NOVEL organic liquid nutrient production and sale on 13 October 2021)
- Mangalam Kalpataru, Burhanpur, Madhya Pradesh (ToT for NOVEL organic liquid nutrient production and sale on 16 October 2021)

The University has also signed 02 MoUs with National Institutes and university for training and research purposes as given below:

- ICAR - NRCB, Trichy (Technology Inventor), AICRP-PC Fruits-ICAR-IIHR, Bengaluru (technology facilitator) for "Macro-propagation Technology of Banana" to the various farmers/Nurserymen (Individual/group having interests in own purpose/commercialization) on 8 October 2021.
- Uka Tarsadia University, Bardoli, Gujarat for Promoting Cooperation in Project and Scientific Research of Undergraduate and Post-Graduate Students of Engineering, Agriculture and Allied Sciences on 27 December 2021.

Professor Jayashankar Telangana State Agricultural University, Rajendranagar

MoU signed with Saharsa Crop Science Pvt. Ltd

MoU was signed between Saharsa Crop Science

Pvt Ltd, Hyderabad and PJTSAU on 22 October, 2021 for joint research, faculty and student exchange in the disciplines Biotechnology, Nano technology and Biochemistry.

The MoU intends to also achieve collaboration among both the parties in terms of supplementation of resources, facilities on matters pertaining to the development of agriculture with focus on capacity building, training and skill development of stakeholders.



Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu

The University signed MoUs with following organizations/individuals:

- ICAR-IARI RS, Shimla on 10.10.2021 (Open)
- S. Bhopinder Singh S/o Harnam Singh R/o Hanjana Thakra, Nowshera, Rajouri on 07.10.2021 (Open)
- IIP, Mumbai for 3 years from 10.10.2021 to 09.10.2024
- BIOVED, Prayagraj (UP) for 10 years from 10.10.2021 to 09.10.2031
- IHBT, Palampur for 5 years from 16.10.2021 to 15.10.2026
- IIIM, Jammu for 5 years from 05.11.2021 to 04.11.2026

Tamil Nadu Agricultural University, Coimbatore

MoU Signed to Commercialize Neera Technology

TNAU's Coconut Neera Preservation technology was developed at Center for Post-Harvest

Technology, Agricultural Engineering College and Research Institute (AEC & RI), TNAU, Coimbatore using anti fermenting solution and thermal preservation techniques.

An MoU was signed on 01.10.2021 between TNAU and Siruvani Farmer Producer Company (SFPC) Ltd, Coimbatore for commercializing TNAU's technology for Enhancing the shelf life of Neera.



MoU Signed with iMAHILA Enterprises

The signing of MoU between the Directorate of Open and Distance Learning, TNAU and iMAHILA

Enterprises Pvt. Ltd, Chennai for the extension of the collaborative project on

'Digital transformation programme to empower women self help groups' was held on 25.11.2021 at TNAU, Coimbatore in the presence of Dr A. S. Krishnamoorthy, Acting Vice-Chancellor.



MoU Signed with KVIC

The Department of Food Process Engineering, Agricultural Engineering College and Research Institute (AEC&RI), Coimbatore and Khadi

Village Industries Commission (KVIC), Mumbai signed MoU on 22.12.2021 for the technical



guidance to be provided by Department of Food Process Engineering, AEC&RI, TNAU, Coimbatore on processing and value addition of food resources available in the village industries associated with KVIC, Tamil Nadu for the development of agro process machineries and for the establishment of pilot plant at KVIC units. The MoU was signed by Dr A. S. Krishnamoorthy, Registrar and Acting Vice-Chancellor, TNAU in the presence of Shri R. Rajesh, State Director, KVIC, Chennai.

TECHNOLOGY COMMERCIALIZED

Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu

- First technology by SKUAST-JAMMU commercialized "Commercialization of Condensed Tannins Enriched Multi-Nutrient Block (MNB-CT)" Technology, on 04/10/2021.

FUTURE PROGRAMMES/ IMPORTANT EVENTS

Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu

One week vocational course on "Application of Computer and IT tools in improving Learning and Research Efficacy of Students" is going to be held w.e.f. 01-07 February 2022.

Tamil Nadu Agricultural University, Coimbatore

7th National Youth Convention will be held in Hybrid (Offline & Online) mode at Tamil

Nadu Agricultural University, Coimbatore during **March 24-25, 2022**. This convention revolves around the theme "**Food Security to Nutritional Security: Youth Perspective**" plans to bring youth in the forefront, scientists, academicians, farmers, industry representatives, planners and law makers together for generating and sharing ideas.

NEW VICE CHANCELLOR

Banda University of Agriculture and Technology, Banda

DR NARENDRA PRATAP SINGH

Dr Narendra Pratap Singh joined on 01 November 2021 as Vice-Chancellor, Banda University of Agriculture and Technology, Banda (Uttar Pradesh). He has more than 33 years of experience in agricultural research



and management with laudable contributions including strengthening and coordination of Agricultural Research, Education and Extension Activities. He obtained his Ph.D. degree in Genetics from Indian Agricultural Research Institute, New Delhi and acquired advanced training in early days of his career in the area of molecular biology and genetic transformation from some of the leading biotechnology laboratories in India and abroad. He also served as visiting scientist at WA Biotechnology Centre, Murdoch University, Perth, Australia, and at the Plant Biotechnology Institute, NRC, Saskatoon, Canada. He is pioneer in integrating tools of biotechnology in Pulses Research in India as a result of which several transgenic events (Bt gene) have been developed in chickpea and pigeon pea exhibiting high level of resistance to *Helicoverpa armigera*. He has also developed 63

pulses varieties and first draft chickpea genome sequence, which is regarded as a landmark research in history of Pulses Research in India. Developed marker assisted breeding (MAB) product Samriddhi (IPCMB 19-3) for *Fusarium* wilt and IPCMAS-1 for drought tolerance in chickpea that has helped in improving our own popular mega varieties of chickpea. Development of extra-large seeded kabuli chickpea varieties (which transformed the country from net importer to net exporter of premier quality product), development of extra short duration (52-55 days maturity) mungbean (which brought substantial area of mungbean under summer fallows in Indo-Gangetic plains), biofortified (Zn and Fe) lentil variety 'IPL 220' for nutritional security, and application of molybdenum in soybean-chickpea system (for sustainability of system by enhancing biological nitrogen fixation in Central India including Maharashtra) are few bright examples.

Dr Singh guided 5 Ph.D. and 14 M. Sc. Students as major guide and handled 9 International and 15 National mega Projects. Served as President of Indian Society of Pulse Research and Development (ISPRD) from 2013-2020 and President of Indian Society of Arid Legumes (2020-till date). He is also member of ICAR Governing Body since 2019 and also served as Visitor Nominee of Dr RPCAU, Pusa, Bihar (2018-20). Recently his idea of enhancing chickpea production in south Asia has been funded by Bill & Gates Foundation, USA. Other praiseworthy R & D contributions include opening of 150 seed hubs under KVKs and AICRP centers, enhancing production of existing breeder seeds in pulses following additional 12 BSP centres. All these efforts lead pulse revolution in India and guided country towards self-sufficiency.

He has published more than 180 research papers (112 is >6 NAAS rating) and 27 high level review articles; authored 19 books and edited 41 books; made 15 International and 20 National Scholarly Presentation in

Conferences besides, 17 International and > 55 National Plenary lecture/ Invited talks. Awarded with Bioved merit award, 1993; IIPR Rajbhasa Puraskar, 2006; Bioved Agri - Innovation Award, 2015; International Coordinator (Translational Research), International Chickpea Genetics and Genomics Consortium (ICGGC), 2009; PPV&FRA Recognition Award, 2016; UPAAS Life Time Achievement Award, 2016; ICAR Choudhary Devi Lal Best AICRP Award, 2017; Sardar Patel Outstanding ICAR Institute Award 2017; ISPRD Gold Medal / Excellence Award 2017; Bioved Honorary Fellowship award 2018. He is also fellow of National Academy of Agricultural Sciences, New Delhi, Indian Society of Pulses Research & Development, Kanpur; Indian Society of Agricultural Biochemists, Kanpur and Indian Society of Genetics & Plant Breeding, New Delhi.

Sher-e-Kashmir University of Agricultural Sciences & Technology, Kashmir

PROF. NAZIR A. GANAI

Prof. Nazir A. Ganai (Born -12 May 1965) joined as 8th Vice Chancellor of SKUAST-Kashmir on 16 December 2021. An Alumnus of NDRI Karnal Prof. Ganai holds a doctorate in Animal Breeding & Genetics and a post-doctorate from Wageningen University, Netherlands. He joined SKUAST-K in 1993 and has an illustrious career spanning about 30 years. Before joining as Vice-Chancellor, he has held important scientific and management positions including Associate Director Research and Director Planning & Monitoring. During his illustrious career, he has been an ardent teacher and researcher and has been an inspirational teacher and mentor and helped



many students accomplish scientific excellence. Prof. Ganai is a recipient of prestigious INSA Teacher Award and has been a proactive researcher in the area of animal breeding. His research efforts led to development of world's first Pashmina sheep clone "NOORI" followed by the development of complete draft genome sequence of pashmina goat. Prof. Ganai is a widely published science communicator and has published in leading peer reviewed journals of international repute. Prof. Ganai has brought huge inflow of funds under various research and development schemes that led to establishment of state-of-the-art facilities for research, including the NAHEP-IDP project. He was instrumental in the establishment of Division of Biotechnology, Star College in the university, upgraded to Star Status, Innovation and Entrepreneurship centre, AI & ML Centre and Bioinformatics centre. Prof. Ganai has mentored students for getting two IIGP grants by Tata-Lockheed Martin Foundation as well as five BIRAC BIG Grants. Prof. Ganai is a strong advocate of reforms in education system and has helped university frame landmark policy frameworks towards implementation of national education and skill development policies. Under his visionary leadership, SKUAST-K has entered the elite club of SAUs being 6th best SAU and a Brand Excellent Awardee in Atal Innovation Ranking.

GLIMPSES OF 45TH VCs' CONVENTION







