



NEWSLETTER

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Director's Message / निदेशक का संदेश

At the outset, I wish you all a VERY HAPPY AND PROSPEROUS NEW YEAR-2021. Through this issue, I wish to present brief highlights of the achievements made by NAARM during the year 2020. We organized about 61 programmes (mostly online) which included two batches (110th & 111th) of FOCARS, Leadership development programme, Faculty development programme, off-campus programmes, MOOC, Entrepreneurial skill development programme for students, customized programme for 71 IFS Probationers, programme for agribusiness professionals of Coromandel International, and several Conference/Workshops/ Seminars. Total 7,122 participants attended these programmes.



With the unprecedented circumstances due to Covid-19 pandemic, we swiftly adjusted to the new normal. All our programmes (classes, meetings, trainings, etc.) were conducted in online mode. The Academy continued to work with full strength duly following the SOPs prescribed by ICAR/Govt of India from time to time. The Academy took several measures to combat the prevailing COVID-19 pandemic situation. Sanitization of all buildings in the office premises on regular basis, frequent cleaning of all the touch materials, arrangement of foot-operated hand sanitizers at the entrance of all the office buildings, compulsory face-mask and maintaining social distance were the regular practices in the campus. Besides, NAARM provided support to the Telangana state government by providing Corona Quarantine Facility with 200 beds for international travellers from COVID-19 affected countries for isolation and quarantine.

The educational programmes are also going on smoothly. All the students of 10th batch of PGDM (Agri-Business Management) have been placed successfully in 12 reputed agribusiness companies. The admission process for the 12th batch was conducted in online format, and finally 54 selected students from 12 different states joined the programme. The contact classes for two distance education programmes viz. PGDTMA and PGDETM were also conducted online.

The Academy celebrated its 45th Foundation Day, which was graced by Padma Vibhushan Dr. RS Paroda, Former Secretary, DARE & DG, ICAR as the Chief Guest. Annual Awards of NAARM were given for the best performing employees in scientific, technical, administrative and supporting staff categories. Eleven farmers representing different agro-climatic zones of the country were also felicitated during the ceremony for their innovative farming practices.

On research front, our faculty published 51 Research papers in peer reviewed national and international journals; 5 Books, 8 Technical reports/bulletins, 4 widely acclaimed Policy Briefs and several Book chapters. We conducted two IRCs and one meeting of newly constituted RAC in virtual mode. As per the recommendation of 8th RAC and

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commitments made under the XII Plan EFC, efforts have been initiated towards setting up of an exclusive Technology Demonstration Park in the Academy. Currently, we have 20 in-house and 10 extramural ongoing projects which include projects of NAHEP, NASF, KRISHI, Farmers FIRST, Bioinformatics project of DBT, UNDP-BCIL and others.

Under NAHEP, the Academy signed MoUs with six State Agricultural Universities for establishment of Career Development Centres (CDCs) and Faculty Development Centre (FDC). ICAR's data centre '*Krishi Megh*', and '**Data Recovery Centre**' (DRC) were established at NAARM which was virtually launched by the Hon'ble Union Minister of Agriculture & Farmers' Welfare Shri Narendra Singh Tomar.

a-IDEA, TBI of NAARM signed an MoU with NABARD and obtained Rs. 6.4 crore scaling-up grant to the entrepreneurial development project. A-IDEA organized several Start-Up – FPO Immersion programmes and training programme for ABI units. It has launched Nidhi Prayas inviting innovators working in the field of agriculture and allied sectors to apply for grant up to Rs. 10 Lakhs. It has organized series of webinars on various topics from sector specific to AMA (Ask Me Anything) sessions for startups, finance and legal issues.

As far as the awards are concerned, the Academy won four prestigious ICAR Awards including the coveted **Rafi Ahmed Kidwai Award for Outstanding Research** in Agricultural Sciences, **Swami Sahajanand Saraswati Outstanding Extension Scientist Award** along with two Cash Awards in Administrative and Skilled Support Staff categories. Our NAARM Faculty has been conferred with Fellow of NAAS. The initiative of ICAR Research Data Management under the KRISHI Project has been chosen as the **Winner of Open Data Championship Category of Digital India Awards 2020**, in which ICAR-NAARM is the partner. The Academy bagged 'Best Landscaping Institute Award' (under central government institutions category) and 'Best Gardens Maintained Award' (under educational institute category) from the Department of Horticulture, Government of Telangana. The Academy celebrated International Women's Day, International Yoga Day by maintaining physical distance, *Mahila Kisan Diwas*, Vigilance Awareness Week, *Rashtriya Ekta Diwas*, Constitution Day, World Soil Day and *Kisan Diwas*. The Academy celebrated 150th Birth Anniversary of Mahatma Gandhi with greater enthusiasm and participation.

I am sure, the Academy will continue to scale greater heights in future serving the large community of NARES, the farmers, young entrepreneurs and the students with much more commitment in the new year.

Once again, I wish you all a safe and healthy prosperous New Year 2021.

सबसे पहले मैं आप सभी को एक समृद्ध नया साल -2021 की शुभकामनाएं देता हूँ। इस उपलक्ष में मैं वर्ष 2020 के दौरान NAARM द्वारा की गई उपलब्धियों का संक्षिप्त विवरण प्रस्तुत करना चाहता हूँ। हमने लगभग 61 कार्यक्रमों (ज्यादातर ऑनलाइन) का आयोजन किया जिसमें FOCARS के दो बैच (110वें और 111वें), नेतृत्व विकास कार्यक्रम (Leadership development programme), संकाय कार्यक्रम शामिल (Faculty development programme) हैं। ऑफ-कैंपस कार्यक्रम, एमओओसी (MOOC), छात्रों के लिए उद्यमशीलता कौशल विकास कार्यक्रम, 71 आईएफएस प्रोबेशनर्स के लिए अनुकूलित कार्यक्रम, कोरोमंडल इंटरनेशनल के एग्रीबिजनेस पेशेवरों के लिए कार्यक्रम और कई सम्मेलन / कार्यशालाएं / सेमिनार। इन कार्यक्रमों में कुल 7,122 प्रतिभागियों ने भाग लिया।

कोविड -19 महामारी के कारण अभूतपूर्व परिस्थितियों के साथ, हम तेजी से नए सामान्य में समायोजित हो गए। हमारे सभी कार्यक्रम (कक्षाएं, बैठकें, प्रशिक्षण आदि) ऑनलाइन मोड में आयोजित किए गए थे। अकादमी ने समय-समय पर ICAR / भारत सरकार द्वारा निर्धारित SOPs का पूरी मजबूती के साथ काम करना जारी रखा। अकादमी ने प्रचलित COVID-19 महामारी की स्थिति से निपटने के लिए कई उपाय किए। कार्यालय परिसर में सभी भवनों का नियमित रूप से उपयोग, सभी स्पर्श सामग्री की लगातार सफाई, सभी कार्यालय भवनों के प्रवेश द्वार पर पैर से संचालित हैंड सैनिटाइज़र की व्यवस्था, अनिवार्य फेस-मास्क और सामाजिक दूरी बनाए रखना नियमित कार्य थे। इसके अलावा NAARM ने तेलंगाना राज्य सरकार को अलगाव और संगरोध (Isolation and quarantine) के लिए COVID 19 प्रभावित देशों के अंतर्राष्ट्रीय यात्रियों के लिए 200 बिस्तरों के साथ कोरोना कारंटेन सुविधा प्रदान करके सहायता प्रदान की।

शैक्षिक कार्यक्रम भी सुचारू रूप से चल रहे हैं। पीजीडीएम (एग्री-बिजनेस मैनेजमेंट) के 10वीं बैच के सभी छात्रों को 12 प्रतिष्ठित कृषि व्यवसाय कंपनियों में सफलतापूर्वक रोजगार मिल गया है। 12वीं बैच के लिए प्रवेश प्रक्रिया ऑनलाइन प्रारूप में आयोजित की गई और अंत में 12 विभिन्न राज्यों के 54 चयनित छात्र कार्यक्रम में शामिल हुए। दो दूरस्थ शिक्षा कार्यक्रमों-PGDTMA और PGDETM के लिए संपर्क कक्षाएं भी ऑनलाइन आयोजित किए गए।

अकादमी ने अपना 45वां स्थापना दिवस मनाया, जिसमें पद्म विभूषण डॉ॰ आर॰एस॰ परोदा, पूर्व सचिव, डेयर एंड डीजी, आईसीएआर मुख्य अतिथि थे। NAARM के फ़ाउंडेशन डे (Foundation Day) में वैज्ञानिक, तकनीकी, प्रशासनिक और सहायक कर्मचारी श्रेणियों में सर्वश्रेष्ठ प्रदर्शन करने वाले कर्मचारियों को वार्षिक पुरस्कार दिए गए थे। समारोह के दौरान देश के विभिन्न कृषि-जलवायु क्षेत्रों का प्रतिनिधित्व करने वाले ग्यारह किसानों को उनकी नवीन कृषि पद्धतियों के लिए सम्मानित किया गया।

अनुसंधान के मोर्चे पर, हमारे संकाय ने राष्ट्रीय और अंतर्राष्ट्रीय पत्रिकाओं की समीक्षा की, संकाय ने 51 शोध पत्र प्रकाशित किए; 5 पुस्तकें, 8 तकनीकी रिपोर्ट / बुलेटिन, 4 व्यापक रूप से प्रशंसित पॉलिसी ब्रीफ़ (Policy Brief) और कई पुस्तक अध्याय सम्मिलित हैं। हमने ऑनलाइन मोड में दो आईआरसी (IRC) और नव गठित आरएसी (RAC) की एक बैठक आयोजित की। 8वीं आरएसी की सिफारिश और बारहवीं योजना ईएफसी के तहत प्रतिबद्धताओं के अनुसार, अकादमी में एक विशेष प्रौद्योगिकी प्रदर्शन पार्क स्थापित करने की दिशा में प्रयास शुरू किए गए हैं। वर्तमान में, हमारे पास 20-इन-हाउस और 10 एक्स्ट्रामुरल प्रोजेक्ट्स चल रहे हैं जिनमें NAHEP, NASF, KRISHI, FARMERS FIRST, DBT की जैव सूचना विज्ञान परियोजना, UNDP-BCIL और अन्य शामिल हैं।

NAHEP के तहत, अकादमी ने कैरियर विकास केंद्रों (CDCs) और संकाय विकास केंद्र (FDC) की स्थापना के लिए छह राज्य कृषि विश्वविद्यालयों के साथ समझौता ज्ञापनों पर हस्ताक्षर किए। ICAR का डेटा सेंटर 'कृषि मेघ', और 'डेटा रिकवरी सेंटर' (DRC) NAARM में स्थापित किया गया जिसे माननीय केंद्रीय कृषि और किसान कल्याण मंत्री श्री नरेंद्र सिंह तोमर द्वारा लॉन्च किया गया था।

a-IDEA ने NABARD के साथ एक समझौता ज्ञापन पर हस्ताक्षर किए और उद्यमी विकास परियोजना के लिए 6.4 करोड़ स्केलिंग-अप अनुदान प्राप्त किया। A-IDEA ने ABI इकाइयों के लिए कई स्टार्ट-अप - FPO विसर्जन कार्यक्रम और प्रशिक्षण कार्यक्रम का आयोजन किया। इसने कृषि और संबद्ध क्षेत्रों में काम करने वाले नवप्रवर्तकों को 10 लाख रु तक अनुदान देने के लिए आवेदन करने के लिए निधि प्रक्रिया शुरू की है। इसने स्टार्टअप, वित्त और कानूनी मुद्दों के लिए सेक्टर विशिष्ट से एएमए (आस्क मी एनीथिंग) सत्रों के विभिन्न विषयों पर श्रृंखलाओं का आयोजन किया है।

जहां तक पुरस्कारों की बात है, अकादमी ने प्रतिष्ठित रफी अहमद किदवई अवार्ड फॉर एग्रीकल्चरल साइंसेज, स्वामी सहजानंद सरस्वती आउटस्टैंडिंग एक्सटेंशन साइंटिस्ट अवार्ड के साथ चार प्रतिष्ठित आईसीएआर अवार्ड जीते, साथ ही प्रशासनिक और कुशल सहायता स्टाफ श्रेणियों में दो कैश अवार्ड भी प्राप्त किए। NAARM फैकल्टी को NAAS के फैलो (NAAS FELLOW) से सम्मानित किया गया है। KRISHI प्रोजेक्ट के तहत ICAR रिसर्च डेटा मैनेजमेंट की पहल को डिजिटल इंडिया अवार्ड्स 2020 के ओपन डेटा चैम्पियनशिप कैटेगरी का विजेता चुना गया है, जिसमें ICAR-NAARM भागीदार है। अकादमी ने लैंडस्केपिंग इंस्टीट्यूट अवार्ड (केंद्रीय सरकारी संस्थानों की श्रेणी के तहत) और बेस्ट बागवानी इंस्टीट्यूट (शैक्षणिक इंस्टीट्यूट श्रेणी के तहत) तेलंगाना सरकार के बागवानी विभाग से जीता। अकादमी ने अंतर्राष्ट्रीय महिला दिवस, अंतर्राष्ट्रीय योग दिवस को शारीरिक दूरी बनाए रखने के लिए मनाया, महिला किसान दिवस, सतर्कता जागरूकता सप्ताह, राष्ट्रीय एकता दिवस, संविधान दिवस, विश्व मृदा दिवस और किसान दिवस भी मनाया गया। अकादमी ने महात्मा गांधी की 150वीं जयंती को अधिक उत्साह और भागीदारी के साथ मनाया।

मुझे यकीन है, अकादमी भविष्य में NARES के बड़े समुदाय, किसानों, युवा उद्यमियों और छात्रों को नए साल में बहुत अधिक प्रतिबद्धता के साथ सेवा प्रदान करने के लिए अधिक से अधिक ऊंचाइयों को जारी रखेगी।

एक बार फिर, मैं आप सभी को एक सुरक्षित स्वस्थ एवं समृद्ध नववर्ष 2021 की शुभकामनाएं देता हूं।

सीएच श्रीनिवास राव

(सीएच श्रीनिवास राव)

111th Foundation Course for Agricultural Research Service (FOCARS)

The Foundation Course for the Agriculture Research (FOCARS) is the flagship program of the Academy wherein the newly recruited agricultural researchers acquire necessary knowledge, develop relevant skills and build right perception and attitude to meet the contemporary challenges faced by the sector. The 111th batch of the FOCARS comprised of 37 ARS Probationers including 17 women, representing 15 different disciplines and 17 States / 2 Union Territories from across India including the North-Eastern States, Jammu and Ladakh. It was conducted in-person under a unique circumstance and the pandemic-imposed challenges were successfully overcome. While the restrictions linked to pandemic in



terms of physical movements, social interactions, etc were complied with, care was taken that the probationers were not impacted by the same. The digital and virtual modes of interactions were effectively leveraged to connect the probationers with globally renowned experts from various walks of life during the specially designed slots for *Knowledge Quests* and *evening interactions*. Many eminent researchers, serving and retired VCs, DDGs,



Directors and Senior Officers from Development Departments interacted with the participants.

The Course was inaugurated by Prof. Rattan Lal, World Food Laureate & Director, Carbon Management and Sequestration Center, The Ohio State University, U.S.A. Dr. Trilochan Mohapatra, Secretary (DARE) & Director General (ICAR) while interacting with the scientist-probationers highlighted the need for building their core competencies in preparing competitive project proposals, science communication, nurturing agri-entrepreneurs, developing start-ups and using frontier tools like IoT, AI and block chain technology in the agricultural value chain during their foundation course at NAARM. Prof. A.K. Mishra, Chairman, Agricultural Scientists Recruitment Board (ASRB), New Delhi called upon the probationers to think imaginatively to reduce the time lag in reaching the benefits of research findings to the end users.

(FOCARS Coordinators: Drs. M Balakrishnan, VV Sumanth Kumar & P Krishnan)



Scientific Meetings

24th Institute Research Council Meeting

The 24th Institute Research Council meeting was held virtually for one day on 16 December 2020. Chairman of the IRC, Dr. Ch. Srinivasa Rao, Director ICAR-NAARM addressed the members of the IRC and appreciated the faculty for their contribution to various capacity building programmes, academic and research activities as per the mandate of the Academy even during the pandemic situation. He emphasized on improving the Project: Scientist ratio from the current 0.97 to above 1. During this IRC, a total of 20 ongoing in-house; 10 extra-mural and three new in-house projects were discussed in seven technical sessions including the plenary, each headed by the chair and co-chair with rapporteur support. Approved decisions taken or suggestions made during each technical session were presented by the respective session



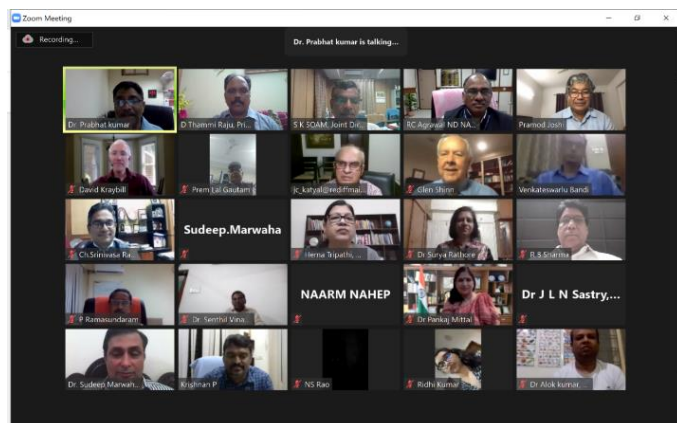
co-chair during the plenary. The project duration of three projects has been extended (two in-house and one extra mural) during the IRC period in order to accomplish the project objectives.

First Meeting of NAHEP External Advisory Panel

The Academy organised the first meeting of the External Advisory Panel constituted under NAHEP to provide the ICAR/NAHEP with knowledge, strategic thinking and innovative approaches for higher education, in the long and short term higher education. The panel comprised renowned education and agricultural experts – six from India, three from USA and one from Australia.

The online meeting was chaired by Dr. RC Agrawal, National Director and DDG (Education). The members were appraised about the progress of NAHEP by Dr. P Ramasundaram, Dr. RB Sharma, Dr. Prabhat Kumar and Dr. Hema Tripathi, the National Coordinators of NAHEP. During the meeting, Dr. RC Agrawal, while highlighting the success of NAHEP on different fronts and its preparedness for new educational policy, flagged important issues for improving the quality and relevance of agricultural education and sought guidance from Dr. PL Gautam, Dr. JC Katyal, Dr. PK Joshi, Dr. B Venkateswarlu from NARES and Dr. Pankaj Mittal of Association of Indian Universities and Dr. JLN Sastry of Ministry of Ayush, GOI and Dr. Ch Srinivasa Rao, Director, ICAR-NAARM.

Dr. Glen C Shinn of Texas A&M University, USA and Dr. David Kraybill of Ohio State University, USA, External Advisory Members also participated and provided inputs for overall strengthening of NAHEP.



Brainstorming meeting on Building Synergies & Strengthening Partnership between IGNTA & NAARM



The Academy organized a virtual Exploration-cum-Brainstorming Meeting with Indra Gandhi National

Forest Academy (IGNFA), Dehradun on 20 October 2020 to deliberate on the potential areas of partnership between ICAR-NAARM and IGNTA, as a part of Memorandum of Understanding (MoU) signed between the Academies. The meeting was attended by the Director and senior faculty members from both the Academies. The initiatives undertaken by IGNTA to internalize Integrated Government Online Training (iGOT) platform in its

capacity building programs. The programs implemented under the Neighbourhood First Policy of Government of India were briefed by the IGNFA team. Subsequently, the experiences of NAARM in establishing the state-of-the-art technology-enhanced laboratory and agri-innovation centre were presented, highlighting the major activities undertaken by both units.

Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM, in his remarks, highlighted the close linkages between the agricultural and forestry sectors and the benefits that

would flow to the sectors because of the partnership. Shri. Bharat Jothi, IFS, Director, IGNFA outlined potential areas of partnership and highlighted that innovation and digital education as key areas for joint action in short term and indicated that IGNFA shall establish a Forestry and Agro-forestry Business and Technology Incubation Centre with the guidance of NAARM.

(Programme coordinator: Dr. P. Krishnan, Nodal Officer, NAARM-IGNFA Partnership)

1st meeting of External Advisory Panel for NASF Funded Project

The first advisory committee meeting of the project on “Entrepreneurship Development through Farmer Led Innovations (FLIs)–A Case Study in Plantation Sector” under NASF was organized by ICAR-NAARM on 9 December 2020. Dr. S Senthil Vinayagam, PI of the project welcomed the Advisory Committee Members, CIs and CCPCIs of partnering institutions namely CPCRI, Kasaragod and IIPM, Bangalore.

The performance of the project output since April 2019 was reviewed by the committee and suggested few activities namely, coordination with various developmental agencies, preparing EDP strategies,



emphasis on record keeping by the innovators etc. are to be included in the project period.

Research Projects

Framework for Mainstreaming Biodiversity Conservation in Agricultural Development Schemes in India



The framework for mainstreaming biodiversity conservation in the development schemes of agricultural sector in India was prepared based on detailed assessment of the implementation status of biodiversity relevant public schemes of agriculture sector. The report recommended

reforms in identified public schemes to ensure enhanced biodiversity outcomes for agro-biodiversity conservation and identified key entry points. It also calls for creation of a separate Mission on Agro-biodiversity focused on Plant Genetic Resources as a Sub-mission of National Mission on Sustainable Agriculture (NMSA) under National Action Plan on Climate change (NAPCC). The project was implemented by Dr. Ch. Srinivasa Rao (Project Leader), P. Krishnan (PI), Dr. K. Kareemulla, Dr. I. Sekar, Dr. S.K. Soam, Dr. H. Umesh and Dr. M. Ramesh Nayak from ICAR-NAARM and Dr. V. Rajagopalan, IAS (Retd.), Former Secretary, Ministry of Environment, Forest and Climate Change (MoEFCC), New Delhi.

BIOFIN Regional Dialogue on Finance for Nature – Europe, Asia and the Pacific

The Academy had developed a framework for mainstreaming biodiversity conservation in the development schemes of agricultural sector in India based on detailed assessment of the implementation status of biodiversity relevant public schemes of agriculture sector. Agrobiodiversity relevant components are spread across

various development schemes and it was observed that diverse agro-ecosystems impact the extent of relevance of different development schemes spatially. Further, the extent of implementation of different development schemes also depended on the structure of the scheme components. The report recommended reforms in

identified public schemes to ensure enhanced biodiversity outcomes for agro-biodiversity conservation through



public finance and identified key entry points and called for creation of a separate Mission on Agro-biodiversity focused on Plant Genetic Resources as a Sub-mission of National Mission on Sustainable Agriculture (NMSA) under National Action Plan on Climate change (NAPCC). The salient recommendations were presented in Eurasia-Pacific Virtual Dialogue of BIOFIN on Finance for Nature on 12 Nov 2020 attended by representatives from various countries and senior officials from UNDP and National Biodiversity Authority (NBA), MoEFCC, GoI. Subsequently, it was presented in the GoI-BIOFIN Steering Committee meeting chaired by Additional Secretary, MoEFCC on 20 Nov 2020 for needful action.

ICAR-KRISHI Project Wins “Open Data Champion Awards”

KRISHI-Knowledge based Resources Information Systems Hub for Innovations in Agriculture, is an initiative of ICAR. ICAR-KRISHI has been conferred “Digital India Award” under open data champion category by Hon’ble President of India, Shri Ram Nath Kovind in a virtual ceremony. Dr. RC Agrawal, DDG (Agri. Edu.); Dr. SK Choudhury, DDG(NRM) and Dr. Rajender Parsad, Director-IASRI & Principal Investigator of KRISHI project received the award on 30 December 2020. ICAR-NAARM is the collaborative partner of this project Dr. A Dhandapani is PI and Dr. SK Soam is Co-PI of the Project at NAARM.



Training Programme

Communication and Management Skills for Extension Professionals

The Academy organized 21-days online training programme on “Communication and Management Skills for Extension Professionals” during 1-21 October, 2020. The programme was inaugurated by Dr. RK Samanta and the chief guest of the valedictory programme was Dr. P Chandrasekara. Both the dignitaries emphasized on the critical importance of communication and management skills for effective and efficient extension and advisory service delivery. They also stressed on the changing perspectives in the noble profession of agricultural extension and urged the participants to put in their best efforts to reach out to farming communities for fostering inclusive and sustainable livelihood security.

Dr. Ch. Srinivasa Rao highlighted the intricate interface between communication and management skills and categorically stressed on the need to continuously improve these critical competencies for the success of extension efforts. The programme was attended by 53 (38 males and 15 females) participants representing KVK, Agricultural Universities and other institutions from 16

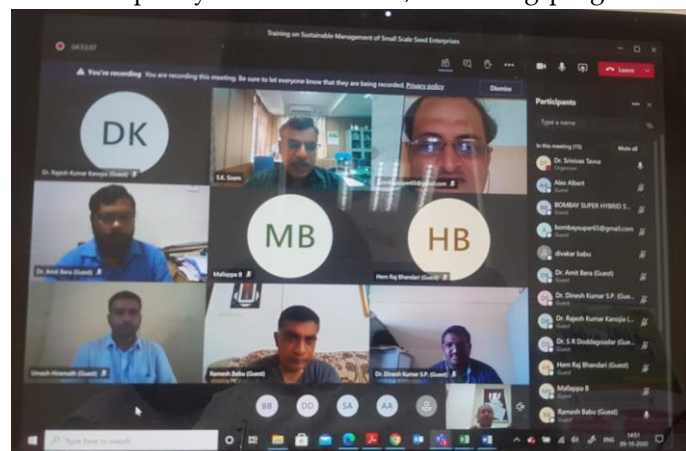


states and one union territory across India. Conceptual understanding and practical exercises, structured experiences and individual and group exercises were implemented towards achieving the programme objectives. This training programme came out with an innovation of compendium on profile directory of the participants and group photo of the participants.

(Programme Directors: Drs. Bharat S Sontakki, P Venkatesan & Surya Rathore)

Sustainable Management of Small Scale Seed Enterprises

To address the training needs of the small scale seed enterprises which have an important role in making available quality seed to farmers, a training programme



on Sustainable Management of Small Scale Seed Enterprises was conducted by the Academy during 5-9 October, 2020 in online mode. A total of 13 participants representing Private Seed Industry, Krishi Vigyan Kendras (KVKs), State Agriculture Universities (SAUs) and Institutes of ICAR and others from seven states participated in the training programme. The online training programme included sessions. The training included interactive sessions, hands-on exercises, case studies and experience sharing. During the valedictory session, Dr. SK Soam, Joint Director, NAARM highlighted the importance of the small scale seed enterprises in the seed sector of India in its roadmap to attain the Sustainable Development Goals.

(Programme Directors: Drs. Tavva Srinivas & K Kareemulla)

E-Resources, E-learning and IoT

An online inaugural program on E-Resources, E-learning and IoT for students of UAS, Raichur was conducted on 05 October, 2020 which was graced by Dr. MG Patil, Director of Education, UAS, Raichur. The program had touched various contemporary aspects of Education, technologies and digital resources that every students needs to be updated about. There were 14 sessions of 75 minute duration which were spread over five days. Everyday, an assignment was given to seek the reflections of the participants about the session/topic delivered. The assignment was submitted through WhatsApp. The feedback on the program-related aspects and the lectures, resource persons was sought through Google Forms at the end of the program. The analysis of the feedback suggested that the participants were very much satisfied with the program. The participants also ranked overall assessment parameters like course content, coordinator's skill and support, relevance, overall learning. With regard

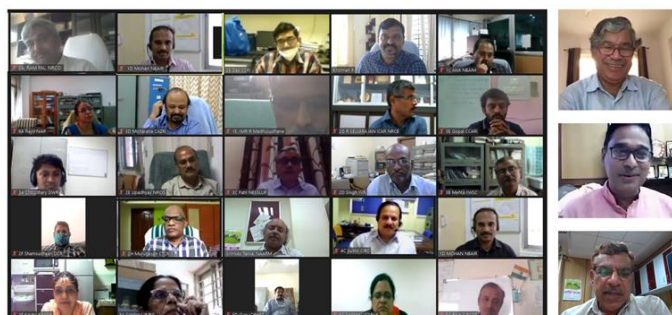


to the assessment of the program, most of the learners felt that the knowledge gained in the program can be used in their future.

(Programme Directors: Drs. S Senthil Vinayagam, D Thammi Raju & GRK Murthy from ICAR-NAARM; Dr. DM Chandargi from UAS, Raichur)

8th MDP on Priority Setting, Monitoring and Evaluation

The 8th MDP on "priority setting, monitoring and evaluation of agricultural research projects" for the in-charges of PME Cell of ICAR institutions was organized by the Academy during 12-17 October, 2020. The in-



charges and members of PME cells from 32 ICAR institutions, representing 8 subject matter divisions, nominated by the Director General of ICAR, participated in the program. The online MDP comprised of modules on principles of priority setting, monitoring, evaluation and impact assessment of agricultural research projects. They were sensitized on the various metrics and tools used for measuring individual and institutional research performance, global and national frameworks for measuring research efficiency and ICAR guidelines pertaining to the various functions of PME Cell like managing research publications, consultancy services, contract research, IP and technology management. The

training included interactive sessions, hands-on exercises, case studies and experience sharing. The participants were sensitized on various online tools and applications for research review, project proposal preparation, checking plagiarism and choosing appropriate journals for research communication. Dr. PK Joshi, Former

Design of Experiments for Researchers of UPL Ltd.

The Academy conducted an online training Programme on “Design of Experiments” for researchers of UPL Ltd. during 02-07 November, 2020. This programme was designed considering the requirement of the research staff of the company. The objectives of the training were to impart knowledge and skill in laying out different research designs, collecting data and analysis of the data using Bluesky statistics, a free and open source software which is readily available. The participants, 25 in numbers, comprised of researchers working in the areas of field experimentation and quality testing.

The modules covered includes hands on with Bluesky Statistics, Tests of significance, Design and analysis of experimental designs viz. CRD, RBD, LSD, Factorial

Recent Innovations in Educational Technology

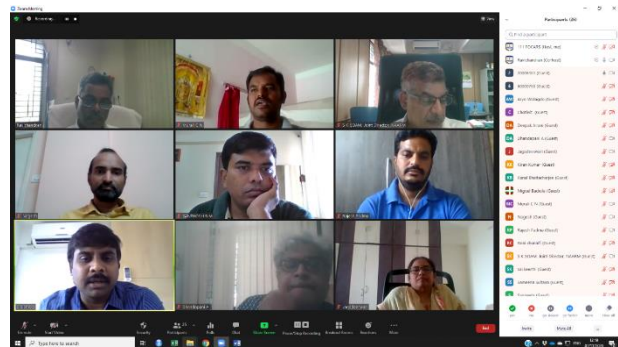
An online training program on “Recent Innovations in Educational Technology” was conducted during November 05-10, 2020 for 31 participants by ICAR-NAARM. About 13 sessions were organized covering both theory and practical. More emphasis was given on hands on training on Digital Content Editing and LMS. Additional knowledge was given on application of Education Technology in Medical Science to enable them to develop similar module in agriculture/veterinary science. The feedback of the trainees is the content of the training was very much apt for present Covid-19 situation and useful for better teaching requirement. Trainees requested to enhance the duration up to 12 days and to include additional content on Blog Writing, Webpage development and Tips for improvement in PPTs. During the valedictory programme, Dr. Ch. Srinivasa Rao, Director, NAARM appreciated the feedback provided by

Marketing Officers’ Resurgence and Excellence (MORE) for Agribusiness Professionals of Coromandel International Limited

An online training programme for Marketing Officers’ Resurgence and Excellence for Agribusiness Professionals (MORE) of Coromandel International Limited was organized by the Academy for 52 professionals including 4 female participants of Coromandel International Limited during November 16-20, 2020. The objective of the program was to expose the participants with advances

Director, ICAR-NAARM & ICAR-NIAP graced the valedictory function. The participants were urged to institutionalize the learnings in their day-to-day activities and were assured all support from NAARM in their endeavours.

(Programme Directors: Drs. P Krishnan & Tavva Srinivas)



Experiments, Spilt and split-split plot and correlation and Regression analysis.

(Programme Directors: Drs. S Ravichandran, Dhandapani & N. Sivaramane from ICAR-NAARM; Mr. Kiran from UPL Ltd)



the participants and he addressed motivational speech to adopt the learning in their educational environment.

(Programme Directors: Drs. S Senthil Vinayagam & GRK Murthy)

in agriculture technologies, soil health and nutrition management and to provide knowledge in Coromandel product portfolio and to bring attitudinal & behavioural changes to enhance Business management skills to make them ready to take higher responsibilities. The topics covered include advances in agronomic practices of major crops, climate change and balanced nutrition landscape,

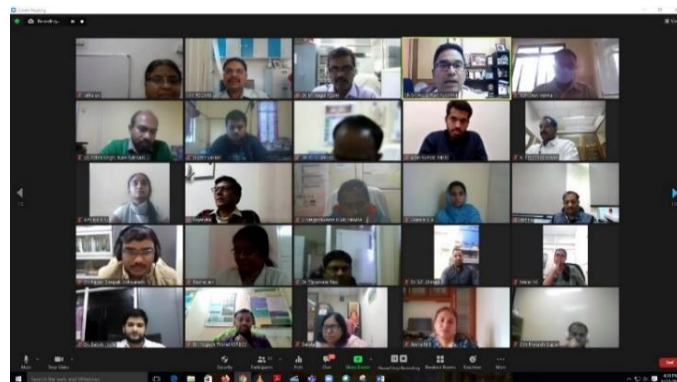
farmer producer’s organizations (FPOs), data analytics & forecasting. agribusiness management skill development sessions on business model canvas, marketing plan and brand management & promotion strategies organized. the soft skills on relationship management, negotiation and

conflict management also covered during training programme.

(Programme Directors: Drs. KH Rao, Ranjit Kumar and N Sivaramane)

Advanced Bioinformatics tools and its Applications in Agriculture

The Online Training Programme on “Advanced Bioinformatics tools and its Applications in Agriculture” was organized by the Academy during 7-11 December, 2020. Bioinformatics is an innovative developing field that helps in collecting, linking, and manipulating different types of biological information to discover new biological insights. This specific genetic knowledge could then be used to produce stronger, more drought resistant, disease resistant, insect resistant and more productive crops. The participants of the programme were provided insight about the enormous potential and application of advanced Bioinformatics Tools in the domain of agriculture. They were also provided with the theory and hands-on-practical sessions on various Bioinformatics softwares and tools on the different topics related to the emerging requirements of Bioinformatics Tools in the agriculture and allied sectors. About 39 agricultural



researchers, including 12 women, representing 17 agricultural research disciplines from 20 ICAR Institutions and 8 Agricultural Universities participated in the programme from all over India.

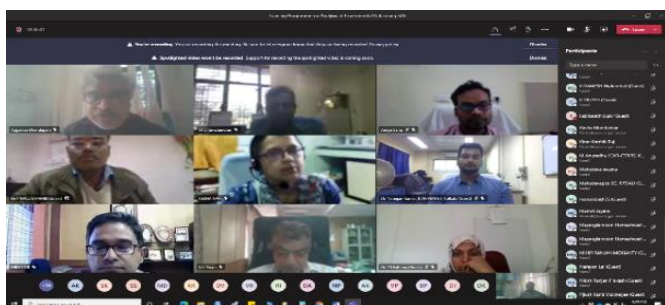
(Programme Directors: Drs. M Balakrishnan, SK Soam and P Supriya)

Analysis of Experimental Data using SAS

A six-day online training programme on “Analysis of Experimental Data using Statistical Analysis System

(SAS)” was conducted by the Academy during 9-17, November, 2020. A total of 110 participants including 37 women participants from ICAR institutes, SAUs and other Central/State Govt. Institutes attended the training programme. The topics covered during the programme included basic and advanced designs of experiment, correlation and regression analysis, multivariate analysis. The hands-on sessions were held using the SAS University Edition.

(Programme Directors: Drs. S Ravichandran, A Dhandapani & BS Yashavanth)



Online MDP on Leadership Development (a pre-RMP Programme)

The Academy organized two weeks virtual Management Development Programme on “Leadership Development” (Pre – RMP) during 8-19 December, 2020. A total of 43 participants including 6 women represented the ICAR & State Agricultural Universities from sixteen states virtually participated in this training programme. Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM, in his address urged to explore the leadership challenges and core competencies needed in present-day context; and to adapt ideas of diverse skills for sharpening capacities to effectively execute various roles in the organization. The programme provided an opportunity for the pre-RMPs, who are in the “middle zone”, to develop smooth and



gradual transformation to step into future leadership position. The major objectives of the programme are-

help participants understand their own personality dimensions; to explore the leadership challenges and core competencies needed in present day context; to develop understanding and skills in research and technology management, Information and knowledge management, and administration and finance management; and to adapt ideas of diverse skills for sharpening capacities to effectively execute various roles in the organization. The

programme covered the areas of Leadership and personality development; Research and technology management; Information and knowledge management; and Administration, finance, vigilance management & lessons from epics.

(Programme Directors: Drs. RVS Rao, Alok Kumar & KH Rao)

Online National Seminar on “Big Data Analytics in Agriculture”

An online national seminar on the topic “Big Data Analytics in Agriculture” was conducted by the Academy during 10-11 December, 2020. The programme focused on policy discussions on data science and big data applications with special reference to agriculture. This is an online programme. The seminar included Big Data Applications in Crop Improvement, Big Data Tools and Techniques, Drone Based Sensing for Agriculture, Cloud Computing, Spatio-temporal Big-data for Agriculture and scope for potential Interventions and Modernizing the application of advanced analytics in agriculture: Building & Delivering insights using SAS Viya AI / ML Platform and Big Data Initiatives in ICAR were delivered by Academicians and Software experts. Experience sharing by various faculty was done. Finally, a panel discussion on identifying Potential Thematic Areas, opportunities, bottlenecks & policy issues in Animal sciences, Fisheries, Natural Resources Management, Artificial intelligence in



Agriculture, Computing, Training and other Policy Issues was held with experts from different domains. There were 80 participants in the programme including 12 women participants.

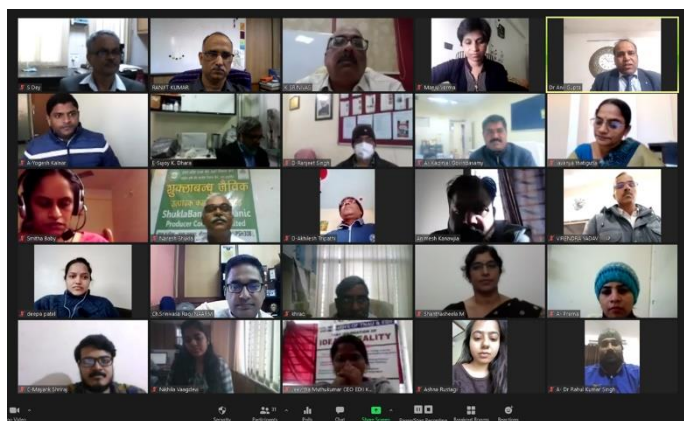
(Programme Directors: Drs. S Ravichandran, A Dhandapani & BS Yashavanth)

Business Plan Development and Accelerating FPOs/FPCs

ICAR-NAARM organized online MDP on “Business Plan Development and Accelerating FPOs/FPCs” during Dec 14-19, 2020. Total 34 participants attended the training, out of which 13 were from different ICAR institutes, 4 from State Agriculture Universities, 5 from KVKs, 6 represented FPOs, and 4 were individual or NGOs who were working with FPOs. One third of participants were women. The programme covered all the aspects of FPO,

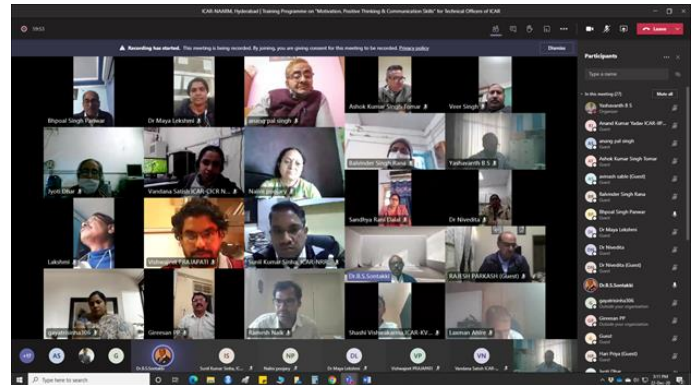
right from mobilization of farmers, FPO formation, and all aspects of business plan development for FPOs, like business model canvass (BMC), market research, marketing plan, etc. Apart from that other business management tools like management of supply chain, finances, networking with start-ups, digital and e-markets. We also invited several resource persons, including NABARD representative, value chain financing company, Sammunati; supply chain company, Waycool. The founder of two successful federated FPOs- Sahaydri Farms and Sahaja Aharam also shared their experiences with the participants. Detailed legal and regulatory compliances and other operational challenges were discussed in detail. The participants were grouped in 6 different teams and they practiced and prepared their own business plan for one FPO. This was done by creating six groups which were working on the platform simultaneously.

(Programme Directors: Drs. K. Srinivas & Ranjit Kumar)



Motivation, Positive Thinking and Communication Skills

An online training programme on “Motivation, Positive Thinking and Communication Skills” for technical officers of ICAR was conducted by the Academy during 17-22 December, 2020. This training programme was intended to improve skills and efficiency of Technical Officers in discharging functions and providing constructive technical support in meeting the organizational goals and targets. The programme consisted of a blend of lectures, and case analysis. Sessions on motivation, positive thinking, team work, time management, online communication, communication in mainstream media, data visualization etc. Twenty-three officers participated in the programme including 8 female participants.



(Programme Directors: Drs. BS Yashavanth, Laxman Maharuru Ahire & Mude Ramesh Naik)

Academic News

PGDM-ABM course

The classes of II & V Trimesters for the batches 19-21 and 20-22 were conducted online. For the final year students, project work was offered along with an elective course. Some of the students were associated with agribusiness companies as interns with working from home option and pursuing their project work. During this quarter, a grand annual business meet “Sankalp-20” was conducted during 3-4 October, 2020 by the students. An interactive meeting to review the preparedness of PGDM-ABM programme in view of Covid pandemic was also held on 21 October 2020. Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM, officials and students of the Academy were present in the meeting. About 110 participants have taken part in the meeting in which the safety precautions followed in the mess, hostels and classes were discussed in detail.



PGDETM online contact classes

Online contact classes for PGDETM candidates were organized during 18-25 November, 2020. Forty candidates attended from 2019 & 2020 batches from respective places. All the seven courses of the PGDETM Programme were covered by various resource persons. Besides contact classes, internal assessment was also organized from December 01-10, 2020 for both the batches.



Events

Celebration of 150th Birth Anniversary of Mahatma Gandhi

The 150th Birth Anniversary of Mahatma Gandhi was celebrated at the Academy on 2 October, 2020. Several activities/ competitions such as quiz competition on Life of Mahatma Gandhi, online programme depicting writes-ups/pictures etc. relating to Gandhian philosophy/ thoughts among the youngsters were conducted during the celebrations. An online Swachhata Pledge was also taken by staff members of the Academy. An online lecture on life & philosophy of Mahatma Gandhi was delivered by Dr. A Raghu Kumar, Advocate, Telangana State High Court during on occasion.

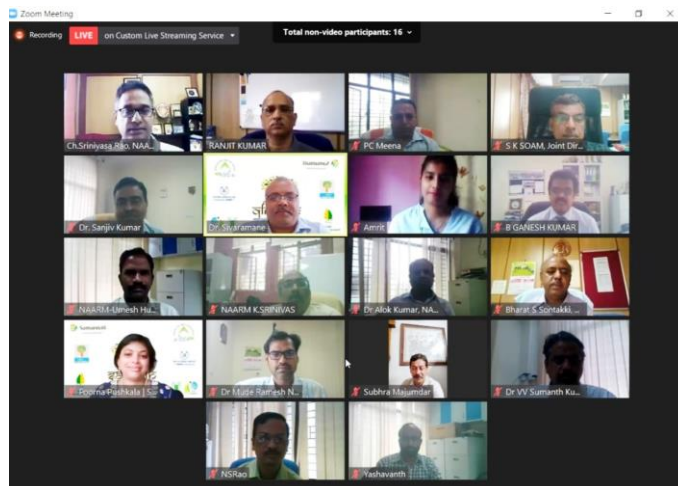
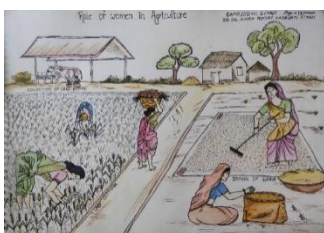


Sankalp 2020: National Business Festival

A two-day national level Business-Fest (Sankalp-2020) was organized by the Post Graduate Diploma-Agribusiness Management (PGD-ABM) students of the Academy during 4-5 October, 2020. NAAS-Hyderabad Chapter co-sponsored the event along with Sammunati Financial Services, Tata Rallis India Limited, SAVE Foundation and a-IDEA of NAARM. Due to the pandemic situation, the annual B-Fest was organized online. The event attracted 5004 registrations from 40 institutes including several IIMs and leading Management colleges in India. Started with an idea of 3 C's - Compete, Collaborate and Connect, Sankalp has reached its 5th edition this year. The Business-Fest comprised of four competitions namely, Adhishtatha (Best business manager competition), Samadhaan (Case study competition), Advitiya (Business plan competition), Flashgun (Photography competition), Darpan (Business quiz competition), and Ideas-360 (Content creation competition). Mr. Subhra Majumdar, General Manager from Tata Rallis India Ltd was the Chief Guest and Mrs. Poorna Pushkala, Head HR, Samunnati Financial Services and Intermediation Pvt. Ltd. was Guest of Honour during inaugural programme. Mr. Satyanarayana Vaddi, Senior Advisor, SAVe Foundation was the Chief Guest during valedictory function. Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM and Convener, NAAS-Hyderabad Chapter presided over the inaugural and valedictory

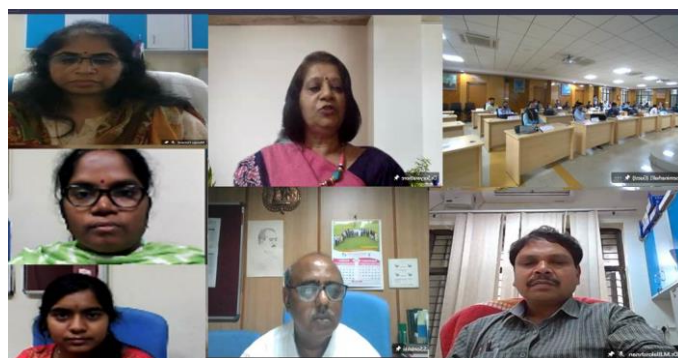
Mahila Kisan Diwas celebrations

The Academy organized "Mahila Kisan Diwas" virtually on 15 October, 2020. Emphasizing the importance of this day with the theme, "Empowering Farm Women with Extension and Research interventions", Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM, stressed on the need for quality research on farm women. During the panel discussion, Dr. BS Sontakki provided inputs regarding various extension strategies for empowering the farm women and emphasizing their role in agriculture and Dr. Surya Rathore talked about the various facets of women empowerment i.e. economic, social, psychological, nutritional, technological and legal and how to achieve them through gender mainstreaming. Dr. Manju Gerard was also one of the panelists who laid emphasis that airing one's voice is the only key to empowerment. If women will not open up



functions. He appreciated the innovative organization of annual business festival by the students of agribusiness management of the Academy. He said that Sankalp is an event that helps improvise skills, think innovatively and to inspire and ignite young minds. He also spoke about how Agri-business management can help to improve agriculture sector in India and the livelihoods of Indian farmers. He also mentioned the critical role of Public Private Partnership (PPP) in research, technology and innovations and overall agriculture development in India. He congratulated to all the winners of various competitions of Sankalp'20.

(Event coordinators: Dr. Ranjit Kumar)



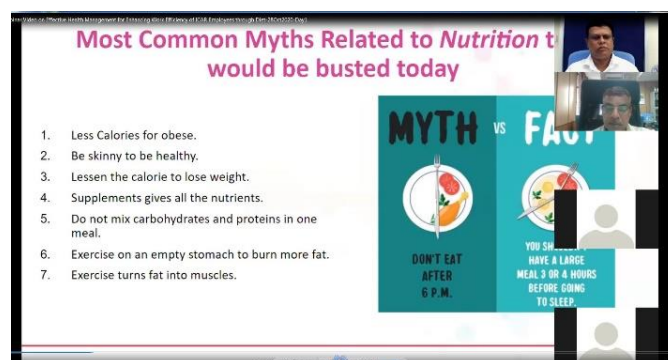
and remain in veils, nobody can help them. They will have to come out of their shells.

Apart from the panel discussion, drawing and painting competition depicting the theme was also organized. Dr. Surya Rathore in panel discussion at MANAGE addressed women FPO executives and members. In all, 69 farm women, scientists and extension personnel were participated in the programme.

(Event coordinators: Drs. Surya Rathore & Bharat S. Sontakki)

Webinar on “Effective Health Management for Enhancing Work Efficiency of ICAR Employees”

The Academy conducted a two-day online webinar on “Effective Health Management for Enhancing Work Efficiency of ICAR Employees” during 28-29 October, 2020. The motive of the webinar was to equip participants with information to manage their health such that they are able to discharge their duties effectively in these pandemic times. Two faculties from Dr Reddy's Lab Health foundation, Ms. Aanchal Garg, Nutritionist and Ms. Sowjanaya Pasala, Nutritionist were invited to speak on the topic, both in English and Telugu. Around 60-70 people attended the programme.



(Event Coordinator: Dr. KR Ghanshyam)

Vigilance Awareness Week

Vigilance Awareness Week was celebrated during 27 Oct – 02 Nov, 2020 with the theme “Satark Bharat, Samridhd Bharat” (Vigilant India, Prosperous India) along with Integrity Pledge on 27 October, 2020 through virtual mode. More than 100 employees including FOCARS probationers took the pledge and were also encouraged to take e-pledge. During the week, activities such as display of banners, e-posters display in meeting hall and LED



display in hostels and other places, integrity pledge by all employees, essay competition among faculty/officers/staff members, session on vigilance management by Shri. Sandeep Mukherjee, Former Deputy Director (Vigilance), ISTM, DoPT, were carried out as per the CVC guidelines besides elocution competition among PGDMA students. On the closing day, Dr. S. Senthil Vinayagam, Vigilance Officer of the Academy presented the report on activities organized during Vigilance Awareness Week. Dr. SK Soam, Joint Director addressed about importance of vigilance in government organizations and to sensitize every citizen on vigilance. In his presidential address, Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM stressed upon strict adherence of conduct rules, procurement rules, recruitment process and other organizational activities by all the employees of the Academy.

Celebration of 120th Birth Anniversary of Acharya Shri N.G. Ranga

The Academy and N.G. Ranga Trust celebrated the 120th Birth Anniversary of Padma Vibhushan Shri Acharya N.G. Ranga, freedom fighter and farmers’ welfare worker on 7 November, 2020. the Hon’ble Vice-President of India, Shri M. Venkaiah Naidu briefed the outstanding contributions of the respected freedom fighter-cum-longest served parliamentarian (1952-1991), Shri Acharya N.G. Ranga towards agricultural development in the country during and after independence. The Vice-President highlighted agriculture’s importance in the Indian economy, current challenges and opportunities in the farming sector. He also emphasized on the stakeholders’ and government’s crucial role to drive agricultural production sustainable and profitable through new technology towards income security of the farming community. Shri Govinda Rajulu Chintala,

Chairman, NABARD; Dr. Ancha Srinivasan, Climate Change Advisor, South East Asia, Asian Development Bank; Shri K Venkata Rosaih, MLA, Ponnuru, Andhra Pradesh; Dr. G Muniratnam, Founder General Secretary, Rashtriya Seva Samithi, Andhra Pradesh along with other dignitaries also virtually participated in the event. Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM delivered the welcome address. Shri R. Kishore Babu, Chairman, Shri N.G. Ranga Trust proposed the vote of thanks.



Kisan Diwas (Farmers' Day) celebrations

The Academy celebrated *Kisan Diwas* (Farmers' Day) on 23 December, 2020 by listening to the perspectives of innovative farmers, besides felicitating them. Speaking on the occasion, Dr. Ch. Srinivasa Rao, Director of the Academy hailed the selfless contributions of farmers of the country in achieving record agricultural production amidst the serious challenges imposed by COVID-19 pandemic and other natural calamities. He specifically called upon the ARS Probationers who were undergoing 111th FOCARS at the Academy to rededicate their services for the welfare of farming communities. Six innovative farmers namely Sh. Ch. Suresh Kumar Reddy, Smt. Padma, Sh. Vijay Kumar, Sh. P Venkatesh, Smt. KV Lavanya and Sh. KV Ramana Reddy from the Academy adopted villages were felicitated on this occasion. These farmers spoke on the need for improving natural resource management, market linkages, better pricing and other issues that need attention of researchers and policy makers. Elocution, Essay writing and singing competitions on the theme of 'Farmers and Farming' were specially organized for the students and trainees of the Academy.



(Event coordinators: Drs. Bharat S. Sontakki & Dr. P Venkatesan)

Essay writing competition on Balanced animal protein consumption for improved nutrition and implications on human health in India

In collaboration with National Academy of Agricultural Sciences (NAAS), Hyderabad chapter and ICAR-National Research Centre on Meat, Hyderabad, the Academy conducted scientific essay writing competition on "Balanced animal protein consumption for improved nutrition and implications on human health in India" among UG, PG/Ph.D students of State Agricultural/Veterinary Universities in Telangana and Andhra Pradesh in the month November, 2020. In response, a total of 31 essay write-ups were received from different Universities. Essays were evaluated by the expert committee members based on language, clarity of

presentation, scientific reasoning and overall interpretation. The winners were:

- I Prize: Dr. L. Darshitha, SVVU, Tirupati
- II Prize: Ms. Cherukumilli Susmitha, ANGRAU, Bapatla
- III Prize: Dr. G.K. Yasoda, SVVU, Tirupati.

ESSAY WRITING COMPETITION
Balanced animal protein consumption for improved nutrition and implications on human health in India

The livestock sector in India contributes to the Nation's development through national security, economy and livelihood opportunities. Meat, poultry and eggs represent the contribution of milk for sustainable and profitable livestock production in India. However, there are overabundant and considerable attached to consumption of meat, poultry and eggs in India.

National Academy of Agricultural Sciences (NAAS), Hyderabad chapter in collaboration with ICAR-National Research Centre on Meat, Hyderabad and ICAR-National Academy of Agricultural Research & Management, Hyderabad is pleased to announce "Scientific Essay Writing Competition" among UG, PG/Ph.D students of State Agricultural/Veterinary Universities in Telangana and Andhra Pradesh.

Are you willing to participate in the competition and show your scientific passion????

Please read below:-

- Maximum length of essay: 1000 words (including title, affiliation and references)
- Last date for the receipt of soft copy is on only: 30th November, 2020

• **Eligibility:** UG and PG students of your University/Institute and last year candidates

All the submissions will be checked for plagiarism, correct citation of sources and the suitable essays will be evaluated by the expert committee for their novelty, articulation of the topic, scientific content, grammar and concluding statements.

(Note: Three essays will be awarded with certificate (soft copy) and cash prize. The first prize winning essay will be published in NAAS, Hyderabad chapter News Letter. All other students will receive participation certificate.)

1st Prize-Rs. 5,000; 2nd Prize-Rs. 3,000; 3rd Prize-Rs. 1,000

Please send your details to: Dr. NARENDRA, N.M. (e-mail: mailto:narendra.nm@naas.org.in)

Dr. Ch. Srinivasa Rao, Director, NAAS, Hyderabad Chapter & Director, ICAR Institute
 Dr. NARENDRA, N.M., NAAS, Hyderabad Chapter & ICAR Institute
 Dr. S. R. Subrahmanya, Director, ICAR Institute

Rapid Antigen Covid Test for the Trainees, Students & Staffs

As a precautionary measure and as per the decision of the competent authority of NAARM, Rapid Antigen Covid Tests were conducted periodically in the Academy for ARS probationers of 111th FOCARS, staff members, PGDM-ABM students and other staff including contractual workers. This activity was conducted with the support and Cooperation of District Health and Medical Officer, Ranga Reddy.



Other Events



Valedictory function of celebration of 70 years of adoption of Indian constitution



Reading preamble of the Constitution of India on 19 November, 2020



Pledge being taken on Rashtriya Ekta Diwas (National Unity Day) in the commemoration of Birth Anniversary of Sardar Ballabh Bhai Patel



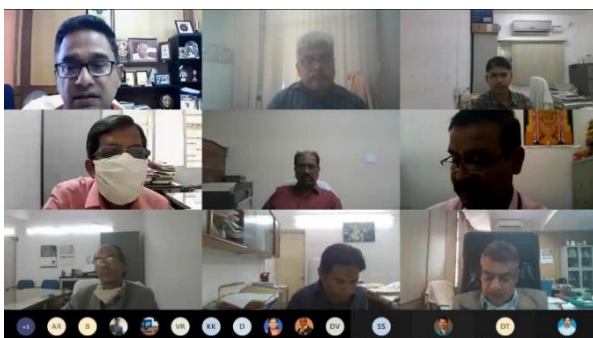
Dr T. Mohapatra, Director General, ICAR interacting with Scientist Probationers of 11th FOCARS through Video Conferencing



Dr. Ch. Srinivasa Rao participating in Hon'ble Prime Minister of India addressing the farmers and releasing PM Kisan money to farmers.



Academic Committee Meetings



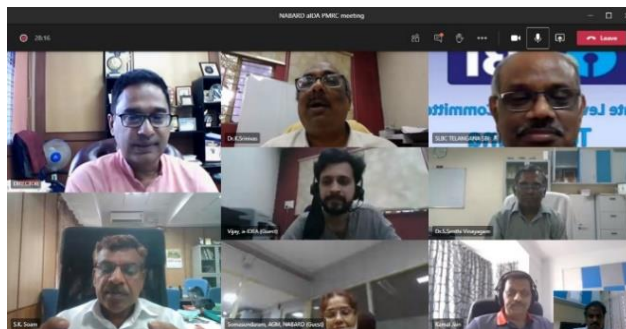
Senior Officers' Committee Meetings



IJSC Meeting



Pension Adalat



First PMRC Meeting of NABARD-NAARM a-IDEA Joint Programme



XXV Meeting of ICAR Regional Committee No. II comprising the States of West Bengal, Odisha, Telangana, Andhra Pradesh and the Union Territory of Andaman & Nicobar Islands organized on 8th October 2020



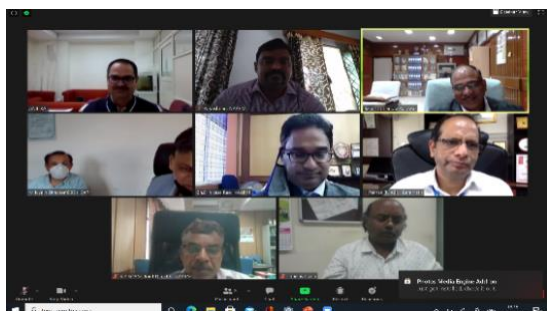
Virtual Workshop and Annual Review Meeting of ABIs/ ZTMCs/ ITMUs under ICAR Institutes of Crop Science Division - National Agricultural Innovation Fund (NAIF) Scheme held during 09-10 October, 2020



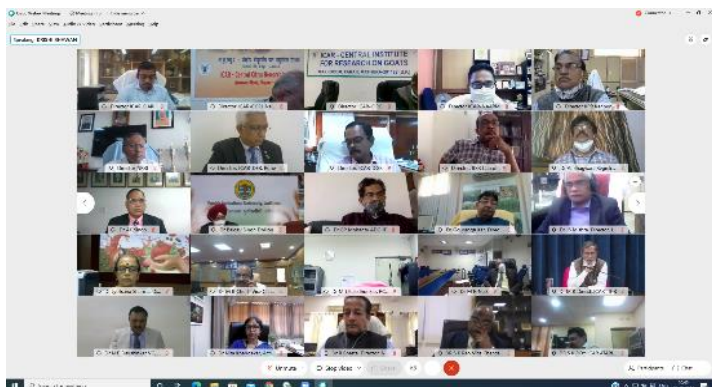
23rd Board of Management Meeting of PJTSAU on 9th October, 2020



Dr Ch. Srinivasa Rao, Director, ICAR-NAARM participated in NAAS Brainstorming Session on 'Transforming Higher Agricultural Education in India under the convenorship of Dr. R.B. Singh, Former President, NAAS held on October 20, 2020.



Dr Ch. Srinivasa Rao, Director, ICAR-NAARM making presentation about the proposed changes in the existing Annual Performance Appraisal Reports in the meeting of Committee to review filling APAR held virtually on November 18, 2020.



Annual Conference of Vice Chancellors of Agricultural Universities and Directors of ICAR Institutes held on December 5, 2020 (through video conferencing)



Dr Ch. Srinivasa Rao, Director, ICAR-NAARM participated in Virtual Workshop and Annual Review Meeting of ZTMCs/ ITMUs/ ABIs under ICAR Institutes of NRM; Agricultural Engineering.; and Agricultural Education Divisions organized by ICAR during November 23

Faculty Achievements

Honours, Awards and Recognitions

Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM is nominated as member of the committee to review the Career Advancement Scheme of scientists of ICAR.

Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM is nominated as member of the committee to revise and explore the possibility of filing APAR online.

Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM is nominated as member of chief advisory committee for preparation of Integrated Horticulture Development Perspective Plan, Dept. of Horticulture and Sericulture, Govt. of Telangana.

Dr. Ranjit Kumar is nominated by Hon'ble Vice Chancellor, PJTSAU and was invited as Eminent Scientist in PG Faculty Board Meeting of PJTSAU, Hyderabad for expert guidance on Dec 10, 2020.

Dr. P. Krishnan was conferred Fellowship from National Academy of Agricultural Sciences (NAAS), New Delhi.

Dr. GR Ramakrishna Murthy is nominated as Academic council member for ANGRAU for 2 years w.e.f December 28, 2020

Dr. P. Supriya received 'First best Oral Presentation Award' in International e-conference on 'Advances and Future Outlook in Biotechnology and Crop Improvement for Sustainable Productivity' organized by University of Horticultural Sciences, Bagalkot during Nov 24th-27th, 2020.



Dr. P Krishnan

Publications

Research Articles

Ahire L, Basith M, Venkatesan P, Balakrishnan, M. (2020). Management of field and Horticultural Crops Under Changing Climatic Scenario, *European Science Review*. 7-8: 34-41. <https://doi.org/10.29013/ESR-20-7.8-34-41>.

Anand A, Krishnan P, Suryavanshi AS, Choudhury SB, Kantharajan G, Srinivasarao Ch, Manjulatha C, Babu DE. (2020). Identification of Suitable Aquaculture Sites Using Large-Scale Land Use and Land Cover Maps Factoring the Prevailing Regulatory Frameworks: A Case Study from India. *Journal of the Indian Society of Remote Sensing*. <https://doi.org/10.1007/s12524-020-01211-7>.

Bhoomaiah D, Krishnan P, Kantharajan G, Rajendran KV, Ponniah AG, Srinivasarao Ch. (2020). Scientometric assessment of research publications from fisheries institutes under Indian Council of Agricultural Research (ICAR) during 2009-2018. *Indian J. Fish.* 67(4): 1-12.

Chopperla R, Mangrauthia SK, Bhaskar Rao T, Balakrishnan M, Balachandran SM, Prakasam V, and Channappa G. (2020). A Comprehensive Analysis of MicroRNAs Expressed in Susceptible and Resistant Rice Cultivars during *Rhizoctonia solani* AG1-IA Infection Causing Sheath Blight Disease. *Int. J. Mol. Sci.* 2020, 21, 7974. <https://doi.org/10.3390/ijms21217974>.

- Ranjit Kumar, Aditya Pandey, Sanjiv Kumar and Sivaramane N. (2020). Identifying Key Performance Indicators (KPIs) for farmer producer companies in India. *Indian Journal of Economics and Development*. 16 (4): 591-597.
- Rathore S, Ravichandran S, Kaur M and Poonam. (2020). Going Digital in the New Normal: Are Our SAUs Ready? *Indian Journal of Extension Education*, 46 (2): 49-56.
- Ravikishore M, Supriya P & Narayana Swamy G. (2020). Commercialisation of Farmer Innovations-Prospects and Retrospects. *Journal of Community Mobilization and Sustainable Development*. 15(3): 536-542.
- Ravikishore M, Swamy GN & Supriya P (2020). Attitude of rainfed farmers towards agri-entrepreneurship. *Multilogic in Science*. 10 (34): 1018-1022.
- Srinivasa Rao Ch, Prasad JVNS, Choudhari SK and Ashok K Singh. (2020). Mainstreaming Climate Resilient Villages in National Programmes towards Sustainability of Agriculture and Environment in India. *Climate Change and Environmental Sustainability*. 8 (2): 116-133.
- Srinivasarao Ch, Kundu S, Yashavanth BS, Rakesh S, Akbari KN, Sutaria GS, Vora VD, Hirpara DS, Gopinath KA, Chary GR, Prasad JVNS, Bolan NS. and Venkateswarlu B. (2020). Influence of 16 years of fertilization and manuring on carbon sequestration and agronomic productivity of groundnut in vertisol of semi-arid tropics of Western India, *Carbon Management*. pp1-12. <https://doi.org/10.1080/17583004.2020.1858681>.
- Vinayagam SS, Akhila K and Mahesh A. (2020). Evaluation of Learning Process in Distance Education. *International Journal of Education & Management*, 10 (3): 308-311.
- Yadav RK, Chatrath A, Tripathi K, Gerard M, Ahmed A, Mishra V and Abraham G. (2020). Salinity tolerance mechanism in the aquatic nitrogen fixing pteridophyte *Azolla*: a review, *Symbiosis*. doi 10.1007/s13199-020-00736-2.

Books

- Padala VK, Kumar N, RVS Rao and Srinivasa Rao N (2020). Impact of climate change on pests and their management options with emphasis on identification of adaptation strategies. ICAR-NAARM, Hyderabad, India.
- Sontakki BS, Venkatesan P and Rathore S. (2020). Compendium on Written Communication, Online Training programme on Communication and Management Skills for Extension Professionals from Oct. 1-21, 2020, ICAR – National Academy of Agricultural Research Management, Hyderabad, 47p. (e-book).

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- Sreekanth PD, Soam SK, Srinivasa Rao Ch. (2020). Delineating surface water area using remote sensing imagery. ICAR-NAARM, Regn. No. SW-13411/2020.
- Venkatesh G, Gopinath KA, Sammi Reddy K, Sanjeeva Reddy B, Prasad JVNS, Rajeshwar Rao G, Pratibha G, Srinivasa Rao Ch, Ravindra Chary G, Prabhakar M, Visha Kumari, V, Arun K Shankar, Venkateswarlu B. Biochar Production and its use in Rainfed Agriculture: Experiences from CRIDA. ICAR-CRIDA, Regn. No. L-94261/2020.

Technical Reports/ Project Reports

- Krishnan P, Kareemulla K, Sekar I, Soam SK, Umesh H, Ramesh Nayak M and Srinivasarao Ch. (2020). Framework for Mainstreaming Biodiversity Conservation in Agricultural Development Schemes in India, ICAR-NAARM, Hyderabad, UNDP and MoEFCC, New Delhi, p232.

Book Chapters/ Chapters in Conference Proceedings

- Akshay D, Spana N, Shbana B, Sanchita N, Salam JD, Himanshu SC, Dilip K, Ritika, Soam SK, Srinivasa Rao N, Alka A, Sreekanth PD and Sumathkumar VV. 2020. Role of Artificial Intelligence (AI) and Internet of Things (IoT) in mitigating climate change. In: Ch. Srinivasarao et al., (Eds). *Climate Change and Indian Agriculture: Challenges*

and Adaptation Strategies, ICAR-National Academy of Agricultural Research Management, Hyderabad, Telangana, India. Pp-465-472.

Chandan KD, A Subeesh, Samarth G, AK Pradhan, Neelish K, Ashraful H, Madhu, Soam SK, Srinivasa Rao N, Ravi Sankar H, Sreekanth PD and Sumathkumar VV. 2020. Recent Advancements in Artificial Intelligence (AI) and Internet of Things (IoT) for Efficient Water Management in Agriculture. In: Ch. Srinivasarao et al., (Eds). Climate Change and Indian Agriculture: Challenges and Adaptation Strategies, ICAR-National Academy of Agricultural Research Management, Hyderabad, Telangana, India. Pp-473-484.

Jeet P, Kumar Alok and Sundaran PK. (2020). Interlinking of River: Issues and Challenges [Online First], IntechOpen, DOI: 10.5772/intechopen.93594. Available from: <https://www.intechopen.com/online-first/interlinking-of-river-issues-and-challenges>.

Rathore S. (2020). Towards gender mainstreaming in Agriculture: Strategies and issues. In Singh et. al. (Ed.) Gender issues and Atmanirbhar Bharat in Agriculture (pp. 42-47). Imphal: Central Agricultural University.

Sanjiv Kumar, Ranjit-Kumar & Srinivas K. (2020). Agritech start-ups in Agricultural Value Chain in India. 28th Annual Conference of Agricultural Economics Research Association (AERA) during 16-18 December 2020. University of Agricultural Sciences (UAS), Bengaluru.

Soam SK, Kumar Alok, Srinivasa Rao N, Thammi Raju D, Sudeep Marwaha, Prabhat Kumar and Srinivasa Rao Ch. (2020). Guidelines for Establishment of Model Career Development Centres (CDCs). ICAR – National Academy of Agricultural Research Management, Rajendranagar, Hyderabad-500 030, Telangana, India. pp 30.

Soam SK, Prabhat Kumar and Srinivasa Rao Ch (2020). Krishi-Udyamita Dvaara Atmanirbhar Bharat: Chhaatropayogee Gyaan Evam Kaushal Vikaas. ICAR-National Academy of Agricultural Research Management, Hyderabad 156 Pages ISBN: 978-81-943090-8-6.

Supriya P and Bhat KV (Nov 24-27, 2020). Whole Genome Bisulfite Sequencing Analysis in Sesame (*Sesamum indicum* L.) [Abstract presentation]. International e-conference on Advances and Future Outlook in Biotechnology and Crop Improvement for Sustainable Productivity, University of Horticultural Sciences, Bagalkot.

Vinayagam SS (2020). “Competency Enhancement for Digital Teaching” and “E-Learning and OER” for Over All Personality Development of Teachers to Meet the Emerging Academic Demands organized by Musuri Institute of Technology, Trichy.

Vinayagam SS (2020). “Recent Innovations in Educational Technology” for Compendium on Next Generation Extension Tools and Techniques for Upcoming Agricultural Professionals for the training organized by JAU, Gujarat.

Vinayagam SS (2020, December 27-30). Participation of Youth in Agriculture – A Macro Level Perspective [Lead paper presentation] during International Extension Education Conference on Role of NGOs in Extension Services Opportunities and Challenges organized by Department of Extension Education, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi.

Popular article

Rathore, S, Soam, SK and Raghuvanshi R. (2020). Agripreneurship Development Programmes for Graduates: Striding towards Atmanirbhar Bharat Abhiyan University News. 58 (49): 16-19.

Singh, K.V and Rathore S. (2020). Genetically Modified Crops (GMCs): A Necessary Evil. *Agrobios Newsletter*.19 (5):60-61.

Other Publications

Sontakki BS, Venkatesan P and Rathore, S. (2020) Participants’ Directory, Online Training programme on Communication and Management Skills for Extension Professionals from Oct. 1-21, 2020, ICAR – National Academy of Agricultural Research Management, Hyderabad, 60p.

Radio/ TV talk/ Video talk/ Press Release

TV Talk- Topic/ Event

News coverage about Inauguration of 111th Foundation Course for the Agricultural Research Service (FOCARS) Probationers by Prof. Rattan Lal, World Food Prize Laureate and Director, Carbon Management and Sequestration Center, The Ohio State University, USA on 05 October 2020. Dr. S.K. Chaudhari, DDG (NRM), ICAR and Dr. R.C. Agrawal, DDG (Education), ICAR graced the occasion as Guests of Honour and they illustrated the significance of the Foundation Course for the agricultural researchers, all through their professional service in ICAR. Prof. Ratan Lal, during his inaugural address emphasized the need for the structural changes in agricultural education to align with our culture and ethos for steering sustainable development.

The 111th Foundation Course for the Agricultural Research Service (FOCARS) Probationers was inaugurated by Prof. Rattan Lal, World Food Prize Laureate and Director, Carbon Management and Sequestration Center, The Ohio State University, USA

120th Birth Celebrations of Shri Acharya N.G. Ranga, Padma Vibhushan Awardee was organized by NAARM, Hyderabad in virtual mode. Hon'ble Vice President of India, Shri Muppavarapu Venkaiah Naidu garu gave Presidential Address on the occasion. Keynote address was given by Shri Govinda Rajulu Chintala, Chairman, NABARD. Dr Ancha Srinivasan, Climate Change Advisor, South East Asia, Asian Development Bank, Thailand was Guest of Honour.

Channel and program

Eenadu dated October 6, 2020.

ETV Telugu dated October 05,2020.

<https://www.etvbharat.com/telugu/telangana/sate/hyderabad/world-food-prizewinner-dr-ratan-lal-on-agriculture/ts20201006092537607>

<https://youtu.be/asQfl6-1v9A>

November 7, 2020

<https://www.youtube.com/watch?v=RKDD3apyZY>

Media coverage



Faculty / Staff Participation in Online Scientific Events

Programme Name	Date	Scientist Name
Inaugural session of Global Summit on Responsible AI for Social Empowerment (RAISE 2020) by Hon'ble Prime Minister of India, Shri Narendra Modi Ji	Oct 05, 2020	Dr. Ch. Srinivasa Rao
ICAR SOC Meeting	Oct 05, 2020, Nov 05, 2020 & Dec 11, 2020	
48th EEI Management Committee Meeting	Oct 07, 2020	

Programme Name	Date	Scientist Name
XXV Meeting of ICAR Regional Committee No. II comprising the states of West Bengal, Odisha, Telangana, Andhra Pradesh and the Union Territory of Andaman & Nicobar Islands	Oct 08, 2020	Dr. Ch. Srinivasa Rao
Virtual Workshop and Annual Review Meeting of ABIs/ ZTMCs/ITMUs under ICAR Institutes of Crop Science Division [National Agricultural Innovation Fund (NAIF) Scheme]	Oct 09,2020 & Oct 10, 2020	
23 rd Board of Management Meeting of PJTSAU through Video Conference	Oct 09, 2020	
Brainstorming Session on "Agriculture and Food Policy for the Five Trillion Dollar Economy" organised by NAAS under the Convenorship of Dr. Suresh Pal, Director, ICAR-NIAP	Oct 14, 2020	
खाद्य और कृषि संगठन (एफओ) की 75 वीं वर्षगांठ और विश्व खाद्य दिवस के अवसर पर स्मारक सिक्का - माननीय प्रधानमंत्री के साथ वीडियो सम्मेलन आधारित बातचीत	Oct 16, 2020	
Brainstorming Session on "Transforming Higher Agricultural Education in India" organized by NAAS under the convenorship of Dr. R.B. Singh, Former President, NAAS	Oct 20, 2020	
Meeting with Dr Rattan Lal, World Food Laureate, & Distinguished University Professor, Ohio State University, USA to discuss on Soil Conservation and Management: Challenges and strategies	Oct 27, 2020	
Meeting of AUs and ICAR Institutes with DDG and ADGs of Agriculture Education, ICAR regarding the Performance Evaluation of Schemes	Nov 02, 2020	
UNFCCC 4 th Koronivia Dialogue (Three Sessions), organized by UN Secretariat	Nov 02, 2020, Nov 04, 2020 & Nov 06, 2020	
114 th Meeting of the Executive Council of National Academy of Agricultural Sciences	Nov 12, 2020	
Presentation about the proposed changes in the existing APARs in the meeting of Committee to review filling APAR Online	Nov 18, 2020	
UNFCCC Climate Change Dialogues -Preparatory Meeting	Nov 19, 2020	
Virtual Workshop and Annual Review Meeting of ZTMCs/ ITMUs/ ABIs under ICAR Institutes of NRM; Agril. Engg. and Agril. Edn. Divisions of ICAR	Nov 23, 2020 & Nov 24, 2020	
UNFCCC Climate Change Dialogues (Climate Dialogues) - online by UN Secretariat	Nov 23-24,2020, Nov 26, 2020, Nov 30, 2020 & Dec 1-4, 2020	
Annual Conference of VCs of SAUs/CAUs and Directors of ICAR Institutes	Dec 5, 2020	
24 th meeting of Board of Management of PJTSAU	Dec 7, 2020	
UNFCCC Feedback Session of "Koronivia workshop on socioeconomic and food security dimensions of climate change in the agricultural sector" Online by UNFCCC Secretariat	Dec 7, 2020	

Programme Name	Date	Scientist Name
National Review Workshop of ICAR- National Professor, National Fellow, Emeritus Scientist and Emeritus Professor programmes through virtual mode to give valuable inputs/suggestions and evaluate the progress of the programmes being undertaken by the awardees (as Member of Selection-cum-Standing Committee)	Dec 10, 2020, Dec 11, 2020 & Dec 22, 2020	
NAAS Task Force meeting to review the progress of the “Compendium on Impact of Agricultural Research”	Dec 17, 2020	
Meeting of the ICAR Committee for revision and filing of APAR online	Dec 17, .2020	
Meeting of Programme Committee of NAAS	Dec 22, 2020	
First meeting of ICT Steering Committee under Chairmanship of Secretary, DARE & DG, ICAR	Dec 24, 2020	
Virtual event of Hon’ble Prime Minister of India addressing the farmers and releasing PM Kisan money to farmers	Dec 25, 2020	
115 th meeting of the Executive Council of National Academy of Agricultural Sciences through video conferencing	Dec 26, 2020	
105 th Academic Council Meeting of ANGRAU	Dec 28, 2020	
Ordinary Meeting of the General Body of NASI	Dec 29, 2020	
Workshop on ‘Swachhta Abhiyan’ under the chairmanship of Secy., DARE & DG, ICAR	Dec 30, 2020	
Inaugural function of 10-days NAHEP online Training Program on "Climate Risk Assessment and its Management through Agrometeorological Approaches" organised by Dryland Agriculture Research Station (DARS), SKUAST-K, Srinagar (as guest honor)	Oct 21, 2020	
Session on “Reinventing Rice Production System to achieve the SDGs” in the 1st Indian Rice Congress-2020 - ‘Rice Research and Development for Achieving Sustainable Development Goals’ organised by Association of Rice Research Workers, Cuttack, Odisha in collaboration with ICAR, ICAR-NRRI, ICAR-IIRR, ICAR-IARI, OUAT, Society for Advancement of Rice Research and IRRI South Asia Regional Centre, Varanasi (as panellist)	Dec 08, 2020	
DST-CII India & Portugal Technology Summit on Strengthen Bilateral / Multilateral Trade & Investments, Driven by Science Technology & Innovation	Dec 07-09, 2020	Dr. SK Soam
Inaugural session of the Faculty Development Programme on ‘Pedagogy of Online Teaching: Philosophy and Methods’ organized by Faculty Development Center, GBPUAT, Pantnagar (as guest of honour)	23 October 2020	
Institute Management Committee meeting of National Institute of Agricultural Economics & Policy Research (NIAP), New Delhi as nominated member by ICAR	Oct 9, 2020	
Online brainstorming session on ‘Agriculture and Food Policy for Five Trillion Dollar Economy’, organized by NAAS, New Delhi, Presided by Dr. Ramesh Chand, member, NITI Ayog, and Chaired by Dr T. Mohapatra, DG, ICAR.	Oct 14, 2020	
Inaugural session of the Faculty Development Programme on ‘Pedagogy of Online Teaching: Philosophy and Methods’ organized by Faculty Development Center, GBPUAT, Pantnagar (as guest of honour)	Oct 23, 2020	

Programme Name	Date	Scientist Name	
Virtual Meeting on 'Third Party Evaluation of Schemes' held on 2-11-2020, held under the chairmanship of Dr RC Agrawal, DDG (Edn)	Nov 2, 2020		
ICAR Directors' Conference (through video conferencing)	Dec 5, 2020		
Virtual Expert Workshop on Foresight Study "AgroEco 2050" organized by RySS-CIRAD-FAO (online)	Oct 15, 2020 & Nov 26, 2020	Dr. Ranjit Kumar	
Sub-committee meeting on Agri-processing & Agri Infra Development in Bihar organized by Bihar Industries Association, Patna (online)	Nov 07, 2020		
International Webinar on 'Scaling Pre-Monsoon Dry Sowing with Natural Farming' organized by RySS, Guntur (online)	Dec 03, 2020		
Virtual Policy Seminar on 'Food and Agricultural Trade in the New Policy Environment' organized by IFPRI (online)	Dec 17, 2020		
Brainstorming Session on 'Recent Agricultural Market Reforms' organized by NAAS (online)	Dec 18, 2020		
Expert Member to evaluate business proposals submitted under BIG scheme of BIRAC	Dec 15-30, 2020		
NAHEP External Advisory Panel meeting	Oct 13, 2020		Dr. Senthil Vinayagam
NIDHI PRAYAS PMC Meeting (NIDHI PRAYAS Pitching Round Evaluation) of a-Idea through online and final shortlisting of project	Oct 15-17 & 31, 2020		
First PMRC Meeting of NABARD-NAARM a-IDEA Joint Programme through online	Oct 19, 2020		
NAAS Brainstorming Session on Transforming Higher Agricultural Education in India through online	Oct 20, 2020		
National Conferences on Vigilance and Anti-Corruption organized by CBI, New Delhi through virtual mode.	Oct, 27-29 2020		
Video Conference of Central Vigilance Commission for inclusion of 2 days Preventive Vigilance modules for the Induction and Mid-Career training programme	Nov 24, 2020		
Technical evaluation committee to evaluate the agencies on their competency to prepare a short video film on FTF ITT organized by MANAGE, Hyderabad.	Nov 25, 2020		
NAHEP External Advisory Panel Meeting organized by ICAR – NAARM	Oct 13, 2020	Dr. Surya Rathore	
World Food Prize Side Event: Home Gardens for Food & Nutritional Security. organized by Michigan State University, USA	Oct 13, 2020		
World Food Day function & release of Commemorative Coin on 76 th Anniversary of World Food Day by FAO	Oct 16, 2020		
One Day Online Workshop on Rural Entrepreneurship & Rural Engagement for Higher Education Institutions organized by Mahatma Gandhi National Council for Rural Education, Dept. of Higher Education, GOI.	Nov 5, 2020		
Workshop on Gender Sensitization to Celebrate Seventh Anniversary of Notification of Act- The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act,2013 organized by ICAR, New Delhi	Dec 15, 2020		

Programme Name	Date	Scientist Name
Online National Workshop on Gender Issues & Atmanirbhar Bharat in Agriculture organised by Central Agricultural University, Imphal under IDP – NAHEP (as Executive member, Organising Committee)	Oct 15-17, 2020	
Session on 'Issues in Gender Mainstreaming' during Online National Workshop on Gender Issues & Atmanirbhar Bharat in Agriculture organised by Central Agricultural University, Imphal under IDP – NAHEP. (as chairperson)	Oct 15-17, 2020	
Technical Session on the theme "NGOs in Agriculture and allied sectors" in International Extension Education Conference on Role of NGOs in Extension Services: Opportunities and Challenges (IEEC – BHU- 2020) organised by Banaras Hindu University, Varanasi (as co-chairperson)	Dec 27-30, 2020	
International Extension Education Conference on Role of NGOs in Extension Services: Opportunities and Challenges (IECC-BHU 2020) Organized by Banaras Hindu University, Varanasi, India (as Member, Organizing Committee)	Dec 27-30, 2020	Dr. Alok Kumar
Technical session III on New Dimension of NGO involvement during International Extension Education Conference on Role of NGOs in Extension Services: Opportunities and Challenges (IECC-BHU 2020) Organized by Banaras Hindu University, Varanasi, India (as Co-Chairman, & Convenor)	Dec 27-30, 2020	
International e-conference on 'Advances and Future Outlook in Biotechnology and Crop Improvement for Sustainable Productivity' (Online) organized by University of Horticultural Sciences, Bagalkot	Nov 24-27, 2020	Dr. P. Supriya
National Workshop on Intellectual Property Management in Agriculture (Online) organized by ICAR-Indian Institute of Agricultural Biotechnology, Ranchi	Nov 28, 2020	
Rural Development and transformation through Cillage organized by AgroVision India	Oct 29, 2020	Dr. P.Venkatesan
Manage dialogue 2020, future of Agricultural Extension and Advisory services organized by MANAGE	Nov 18-20, 2020	
Sushashan Diwas organized by PM office	Dec 25, 2020	
Eurasia-Pacific Virtual Dialogue of BIOFIN on Finance for Nature (Video Conferencing)	Nov 12, 2020	Dr. P. Krishnan
GoI-BIOFIN Steering Committee meeting chaired by Additional Secretary, MoEFCC (Video Conferencing)	Nov 25, 2020	
USAID-IFPRI co-hosted side event of FAO Tropical Agriculture Platform (TAP) Partners Assembly on Agricultural Science and Technology Indicators (ASTI): A Critical Resource for Agricultural Innovation System (AIS) Capacity Development (Video Conferencing)	Nov 20, 2020	
UKREI – ICAR Virtual Tour (Video Conferencing)	Dec 01, 2020	Dr. K. Srinivas & Dr. P. Krishnan

Invited as key speaker in Virtual Scientific meetings/ Webinars

Faculty	Topic	Event	Organiser	Date
Dr. Ch. Srinivasa Rao	Climate – Resilient Resource Conservation Technologies for Dryland and Rainfed Ecosystems: Challenges and Opportunities Speaker of Theme 1: Tillage and crop establishment under rainfed/dryland and irrigated ecologies	Vashwik Bhartiya Vignanik (VAIBHAV) Summit 2020 – a PMO's initiative to seek possibilities of future collaborations with leading scientists working in India and those of Indian origin placed abroad	Virtual Mode	Oct 9, 2020
Dr. Ch. Srinivasa Rao	Research and Technology Innovations for Climate Resilient Agriculture in India	Online Innovative Lecture Series-2020 on "Innovative Approaches towards Climate-Smart Agriculture"	Parbhani Chapter of Indian Society of Soil Science, Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani Virtual mode	Oct 10, 2020
	Innovations in agricultural technology for climate resilient agriculture	Webinar on "Agriculture and Food Technologies and Mechanisms of adaptation to Climate Change"	CSIR-National Botanical Research Institute, Lucknow in collaboration with Department for International Cooperation of the Russian Academy of Sciences	Nov 11, 2020
	Protecting Soil and Biodiversity for Sustainable Food Production and Climate Action in India	Webinar on 'Keep soil alive – Protect soil biodiversity" on the occasion of World Soil Day	Department of Soil Science and Agricultural Chemistry, Agricultural College, Bapatla	Dec 3, 2020
	Programmes and Policies for Improving Nutrient Use Efficiency in Indian Agriculture in Session II – Innovation in Fertilizer Management	FAI Annual Seminar 2020 : Fertiliser and Agriculture during Covid-19	FAI, New Delhi (Virtual Mode)	Dec 8, 2020
	Lead lecture on "Conservation Agriculture in Rice : Challenges and Opportunities"	1st Indian Rice Congress-2020 - Rice Research and Development for Achieving Sustainable Development Goals	Association of Rice Research Workers, Odisha in collaboration with ICAR, ICAR-NRRI, ICAR-IIRR, ICAR-IARI, OUAT, Society for Advancement of Rice Research and IRRI South Asia Regional Centre, Varanasi	Dec 9, 2020
Dr. SK Soam	Geographical Indicators and its Implications for Indian Farmers	Training Programme on 'WTO and its Implications on Indian Agriculture'	MANAGE, Hyderabad	Oct 21, 2020

Faculty	Topic	Event	Organiser	Date
Dr. SK Soam	Agriculture and Trade Related Intellectual Property Rights	Training Programme on 'WTO and its Implications on Indian Agriculture'	MANAGE, Hyderabad	Oct 21, 2020
	IPRs and GIs in the Export of Animal Husbandry Products	Training Programme on 'Promotion of Export Management'	Extension Education India, Hyderabad	Dec 08, 2020
	GI for Community Development' in the National workshop on 'Intellectual Property Management in Agriculture	Webinar	ICAR - Indian Institute of Institute Technology Management Unit , Agricultural Biotechnology, Ranchi, Jharkhand	Nov 28, 2020.
Dr. Ranjit Kumar	Writing Research Articles for High Impact Journals	Online National Workshop on Fundamental Concepts and Applications of Research Methodology	Bihar Agricultural University, Sabour	Oct 06, 2020
	Emerging Supply chains – A case of eNAM	Online training program on "Supply Chain Management of Agricultural Produce"	MANAGE, Hyderabad	Dec 11, 2020
	Entrepreneurship of Fruits & Agricultural Products	Webinar	Indian Institute of Packaging (IIP), Hyderabad Centre	Oct 14, 2020
	Opportunities in Agri-Business Management	Webinar	Rama University, Kanpur	Dec 18, 2020
Dr. Sanjiv Kumar	Digitalization and ICT applications in FPOs in Animal Husbandry	Virtual Training Program on Promotion of FPOs for Profitable Farming for the officers of Animal Husbandry Sector	Extension Education Institute, Rajendranagar	Oct 21, 2020
	FDA/AGMARK Rules and Regulations	Packaging laws and regulations for Post Graduate Diploma in Packaging	Indian Institute of Packaging, Hyderabad	Nov 19, 2020
	Entrepreneurship opportunities in Dairy Sector	Webinar	GADVASU, Ludhiana	Nov 11, 2020
Dr. RVS Rao	Change Management	Webinar	Central Training Institute, Kerala Agricultural University	Oct 23, 2020
	Team Building	Webinar	Musiri Institute of Technology, Vellalapatti, Trichy District, Tamilnadu	Dec 01, 2020
Dr. S. Senthil Vinayagam	Oral Communication	Online Training Programme on "E-Resources, E-Learning and IoT"	Students of UAS, Raichur	Oct 05, 2020
	Application of ICTs in Agriculture and Agricultural Extension" for New	New Dimensions in ICTs and Knowledge Management in	MANAGE, Hyderabad.	Oct 19, 2020

Faculty	Topic	Event	Organiser	Date
Dr. S. Senthil Vinayagam	Dimensions in ICTs and Knowledge Management in Agriculture	Agriculture for UAS Raichur		
	Innovations in Educational Technology	Online HRD training programme for the faculty members of KAU	Kerala Agricultural University, Kerala.	Oct 22, 2020
	Recent Innovations in Educational Technology	Online training programme on Next Generation Extension Tools and Techniques for Upcoming Agricultural Professionals under the aegis of NAHEP-IDP	Junagadh Agricultural University, Junagadh.	Oct 23, 2020
	Competency enhancement for Digital Teaching and “E-Learning and OER	online lecture for faculty development programme on the focal theme over all Personality Development of Teachers to Meet the Emerging Academic Demands	Musiri Institute of Technology, Trichy	Dec 3, 2020
	National Education Policy	e - Workshop on “Role of TNJFU Women professionals in Fisheries and Aquaculture Development of Tamil Nadu”	TNJFU, Tamil Nadu	Dec 05, 2020
	Competency Enhancement for Digital Extension	Online lecture for training on Extension Management	CCSHAU, Hisar	Dec 21, 2020
	Perspectives of Extension Management for Academic Leadership	Training on Extension Management	CCSHAU, Hisar	Dec 23, 2020
	Participation of Youth in Agriculture – A Macro Level Perspective	International Extension Education Conference on Role of NGOs in Extension Services Opportunities and Challenges	Department of Extension Education, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi	Dec 30, 2020
Dr. P Krishnan	Research Publications Breaking Myths & Building Right Perspectives	National e-Training on Research Ethics and Research Paper Writing Skills development	C.S. Azad University of Agriculture and Technology, Kanpur	Nov 27, 2020
	Building Right Perspectives for Winning Grants / Doing Research	e - Workshop on Role of TNJFU Women professionals in Fisheries and Aquaculture Development of Tamil Nadu	Tamilnadu J. Jayalalitha Fisheries University, Nagapattinam	Dec 03, 2020
Dr. GRK Murthy	Digital Agriculture	Training Programme on Design thinking in rural applications	IIITDM, Kurnool	Oct 19, 2020

Faculty	Topic	Event	Organiser	Date
Dr. Surya Rathore	Towards Gender Mainstreaming in Agriculture: Strategies & Issues	National Workshop on Gender Issues & Atmanirbhar Bharat in Agriculture	Central Agricultural University, Imphal under IDP – NAHEP. (Online)	Oct 17, 2020
	Empowerment of Women in Agriculture: The Roads Ahead	Webinar	MANAGE, Hyderabad	Oct 15, 2020
	Vocational Scope of Agricultural Sciences	Webinar	Central Agricultural University, Imphal	Dec 03, 2020
	Gender Analysis Tools	Webinar	Central Agricultural University, Imphal	Nov 17, 2020
Dr P. Venkatesan	Presentation Skills	Webinar	Musiri Institute of Technology, Trichy	Dec 2, 2020
	Effective Training Skills	Webinar	Central Academy for State Forest Service, Coimbatore	Dec 7, 2020
	Training need analysis	Webinar		Dec 9, 2020
	Effective Communication Skills	Webinar		Dec 11, 2020

Trainings attended by the Faculty/Staff

Dr. GRK Murthy attended 'Training Teachers for Artificial Intelligence' (online) conducted by Machine Intelligence Research Labs, USA and Bombay Teachers' Training College, Mumbai during Nov 18-21, 2020

Dr. Alok Kumar attended Faculty Development Programme on 'Principles of Management', organized by IIT Kharapur & NPTEL (Online) during September-December, 2020.

Dr. Alok Kumar attended Faculty Development Programme on 'The Essence of Leadership' organized by IIM Bangalore & NPTEL (Online) during July-October, 2020.

Dr. KH Rao attended Workshop on 'Case teaching and Case Writing' (Online) during Dec 12- 20, 2020.

Dr. Manju Gerard attended online program on 'Leadership & Organization Development for Women Scientists/Technologists' organized by The Centre for Organization Development, Hyderabad during October 12-16, 2020

Dr. Manju Gerard attended online course "IP Portfolio Management & Commercialization" organized by STEM, Hyderabad during Dec 7-14, 2020.

Dr. Ranjit Kumar attended "Successful Negotiation: Essential Strategies & Skills" organized by University of Michigan, Coursera(Online).

Dr. Surya Rathore attended training programme on 'Krishi Gyan Sindhu' organized by EBSCO Information Services & CABI, South Asia (Online) on Nov 24,2020.

Dr. P. Supriya attended One week online International Training Program On "Agriculture 4.0: Precision and Automated Ag Technologies organized by Mahatma Phule Krishi Vidyapeeth, Rahuri.

Dr. P. Supriya attended Online one-week training on "Creativity & Innovation Management in Research" organized by Engineering Staff College of India, Hyderabad.

Staff News

Retirement/ Superannuation

- Shri J.N.L. Das, Sr. Administrative Officer retired on superannuation w.e.f. 30.11.2020
- Mrs. Nazia Parveen, Skilled Support Staff retired voluntarily w.e.f. 01.12.2020 (F.N.)

Upcoming Events

Event	Date
Off-Campus Programme on Teaching Competency Enhancement of Middle and Senior Faculty of AAU under Sub-Plan at College of Veterinary Science, Khanapara, Assam	Jan 19-23, 2021
Online Training Programme on Reservation In Service including Reservation Rosters"	Jan 27-29, 2021
Training Programme on Geospatial Analysis using QGIS & R	Feb 01-06, 2021
Online training Programme on pension rules	Feb 08-12, 2021
Online Training Programme on E Resources, E-Learning and IoT for Students of UAS, Raichur	Feb 15-19, 2021
Training Programme on KOHA for Library Staff of ICAR	Feb 18-23, 2021
Data Visualization in Agribusiness and Agricultural Research (Online Mode)	Feb 22-27, 2021
23 rd Annual Conference of Society of Statistics, Computers Applications (SSCA)	Feb 24-28, 2021
National Workshop on Mainstreaming of Agricultural Higher Education : Problems and Prospects of General and Private Universities (Under NAHEP - Online)	Feb 26-27, 2021
Leadership development for women scientists (Online Mode)	Mar 08-10, 2021
National Workshop on Policy Perspective on Farm Subsidies in India vis a vis Other Countries: Issues and Way Forward	Mar 11, 2021
Training Program on Applications of Artificial Intelligence and Cloud Computing in Agriculture	Mar 15-20, 2021
National Workshop on Policy Dialogue on enhancing the Quality and Relevance of Agricultural Education through building partnerships between Academia- Industry- Governments (Under NAHEP - Online)	Mar 20, 2021



Wish you all a Very Happy New Year 2021

Editors: Dr. Sanjiv Kumar, Dr. BS Yashavanth, Dr. T. Srinivas and Dr. Ranjit Kumar

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