



ICAR-NAARM



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Director's Message / निदेशक का संदेश

I am happy to present the January-March issue of the Academy's Newsletter with the readers. There were 21 training and capacity building programmes organized during the quarter. Out of these, seven training programmes were organized off-campus in in-person mode. We reviewed the progress of all the research projects and also attracted grants for new project during this period. The Academy organized 24th Annual Conference of Society of Statistics, Computer & Applications (RASTA-2022) during the quarter. The students of PGDM-ABM 2020-22 successfully completed their programme and each one of them got placed in reputed agribusiness companies through campus placement. Similarly, all the students of PGDM-ABM 2021-23 got Summer Placement for 6-8 weeks in different agribusiness firms, which they will be starting from mid-April onward. The admission process for next batch has also started. The incubator centre of the Academy, a-IDEA has signed MOU with ICAR-Indian Institute of Rice Research (IIRR), Hyderabad; Crescent Innovation and Incubation Council, Chennai; RR Animal Health Care, Hyderabad; Atal Innovation Center, NITTE Incubation Center, Karnataka; and Atal Innovation Center-Mahamana Foundation for Innovation and Entrepreneurship-IM-BHU, Varanasi.



I am very confident that reader will find the complete activities of the Academy for the quarter ending March in this issue of ICAR-NAARM Newsletter informative.

मैं पाठकों के साथ अकादमी के न्यूज़लेटर के जनवरी-मार्च अंक साझा करते हुए बहुत खुश हूँ। तिमाही के दौरान 21 प्रशिक्षण और क्षमता निर्माण कार्यक्रम आयोजित किए गए थे। इनमें से, सात प्रशिक्षण कार्यक्रम भौतिक मोड में ऑफ-कैंपस आयोजित किए गए थे। हमने सभी अनुसंधान परियोजनाओं की प्रगति की समीक्षा की और इस अवधि के दौरान नई परियोजनाओं के लिए अनुदान भी आकर्षित किया। अकादमी ने तिमाही के दौरान सोसाइटी ऑफ स्टैटिस्टिक्स, कंप्यूटर एंड एप्लीकेशन्स (RASTA-2022) के 24 वें वार्षिक सम्मेलन का आयोजन किया। सभी पीजीडीएम-एबीएम 2020-22 बैच के छात्रों ने सफलतापूर्वक अपने कार्यक्रम को पूरा किया एवं सभी छात्रों को कैंपस प्लेसमेंट के माध्यम से प्रतिष्ठित कृषि व्यवसाय कंपनियों में सफलतापूर्वक नौकरी मिल गयी है। एआईडीए ने आईसीएआर-भारतीय चावल अनुसंधान संस्थान (आईआईआरआर), हैदराबाद; क्रिसेंट इनोवेशन एंड इनक्यूबेशन काउंसिल, चेन्नई; आरआर पशु स्वास्थ्य देखभाल, हैदराबाद; अटल इनोवेशन सेंटर, NITTE इनक्यूबेशन सेंटर, कर्नाटक; और अटल इनोवेशन सेंटर-महामना फाउंडेशन फॉर इनोवेशन एंड एंटरप्रेन्योरशिप-आईएम-

बीएचयू, वाराणसी के साथ समझौता ज्ञापन पर हस्ताक्षर किए हैं।

मुझे बहुत विश्वास है कि पाठक ICAR-NAARM न्यूज़लेटर के इस अंक में अकादमी की जनवरी मार्च तिमाही अकादमी की पूरी गतिविधियां मिल जाएंगी।

सीएच श्रीनिवास राव

(सीएच श्रीनिवास राव)

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Scientific Meetings

Virtual Review meeting of CDCs and FDC

A virtual review meeting to discuss the progress, budget utilization and action plan of five Career Development Centres (CDC) and one Faculty Development center (FDC) was held on Jan 7, 2022. The nodal officers/coordinators of CDCs/FDC under National Agricultural Higher Education Project (NAHEP) Component 2 participated in the program. The progress of all CDCs and FDC was reviewed during this meeting.

(Program Coordinators: Drs N Srinivasa Rao, Alok Kumar & D Thammi Raju)



Fourth NAHEP External Advisory Panel Meeting

A meeting with Dr JC Katyal Member, External Advisory Panel was conducted on Feb 19, 2022 under the chairmanship of Dr Ch. Srinivasa Rao, Director-ICAR-NAARM. This meeting was organized to discuss the various activities and progress of the project Investments in Indian Council of Agricultural Research Leadership in Agricultural Higher Education, NAHEP Component-2.

(Program Coordinators: Drs SK Soam & D Thammi Raju)



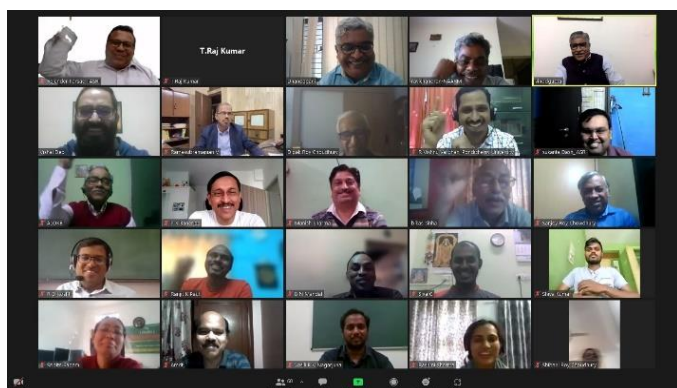
24th Annual Conference of Society of Statistics, Computer & Applications (RASTA-2022)

The 24th Annual Conference of Society of Statistics, Computer and Applications (SSCA), Recent Advances in Statistical Theory and Applications – RASTA 2022 was organized by the Academy during Feb 23-27, 2022. The conference aimed at bringing statisticians, economists, computer scientists, and researchers from other disciplines to a common platform and discuss the advances made and emerging issues and learn from one another. Dr RC Agrawal, DDG (Education) while inaugurating the conference and later giving a special lecture on the landscape of Agricultural Education, informed the gathering that popularity of Agricultural

Education is rising and the Council is committed to improve the quality of Agricultural Universities as well as increase the intake to meet the growing requirements of graduates from agricultural sciences.

Dr Ch. Srinivasa Rao, Director, ICAR-NAARM and Chief-Patron of the conference emphasized the emerging issues in Agricultural sciences particularly climate change challenges and India's commitments to reduce greenhouse gases. He urged the statistical community to rise to provide solutions. Dr VK Gupta, former National Professor, ICAR and the president of SSCA, in his remarks, urged the young researchers to work harder and explore the new avenues.

During the conference, 51 invited talk sessions, 68 Young Researchers' invited Talk/contributory talks, 4 endowment lectures, one special session on Financial Statistics, one keynote address, one Memorial lecture in the name of late Prof. MN Das and two memorial sessions in the names of late Dr Hukum Chandra and late Dr Lal Mohan Bhar. Some of the key issues deliberated in the conference include, "Noval Differential Abundance Analysis of Gut Microbiota" by Dr Shyamal Peddada, "Alternatives to Global Index" by Prof. Arun Kumar



Nigam, "Inequalities among Agricultural Households" by Dr K.J.S. Satyasai, advances in the area of Bayesian Data Analysis, Survival Analysis etc. A young researcher, Dr SM Patil from Shivaji University, Kolhapur, Maharashtra won the prestigious Prof. MN Memorial Young Scientist Award. More than 160 researchers, students, experts from

different parts of the country registered for the conference. The conference was convened by Dr G. Venkateshwarlu, Joint Director of the Academy and Dr A. Dhandapani and Dr S. Ravichandran of ICAR-NAARM were the organizing Secretary and Co-Organizing Secretary of the conference, respectively.

Interaction Meeting with PWC for Assessment of Human Resources Requirement in Agriculture and Allied Sector for Next 20 Years

As part of NAHEP, a study 'Assessment of human resources requirement in agriculture and allied sector for next 20 years' has been taken up under the leadership of National Director, NAHEP and DDG (Agricultural Education). The Pricewaterhouse Coopers (PWC), a multinational consultancy firm has been appointed as consultant to assess the human resource requirement in agriculture and allied sector in India. In this connection, the team from PWC, Delhi visited the Academy and interacted with Joint Director and Heads of the Departments on Feb 02, 2022. During the interaction meeting, discussions were held on major driving & limiting factors of change in coming 5/10/20 years in agriculture & allied sector, entrepreneurship / startups,



competency level of faculties; current growth rate and expected growth in next 10 years and 20 years in different agriculture and allied sectors.

(Program Coordinator: Dr D Thammi Raju)

Mainstreaming of Agricultural Higher Education by Private Universities in India

Under NAHEP Component-2, a dialogue on mainstreaming of agricultural higher education by private universities has been initiated and a National Workshop on "Agricultural Education in Private Universities in India: Let's Listen to Stakeholders" has been planned. As first step, a Pre-Workshop Meeting was organized on Mar 25, 2022 at Krishi Anusandhan Bhavan –II, New Delhi

under the Chairmanship of Dr RC Agrawal, National Director, NAHEP & DDG (Agricultural Education), ICAR, New Delhi. Dr Ch Srinivasa Rao, Director, ICAR-NAARM; Dr Rajender Parsad, Director, ICAR-IASRI; and Dr Prabhat Kumar, National Coordinator, NAHEP component-2 participated in the deliberations. The Vice-Chancellors and Deans of Shobith University, Lovely Professional University, Malla Reddy University, IFTM University, GLA University, Quantum University and Anurag University also participated. Dr PS Pandey and Dr Seema Jaggi, ADGs from Education Division, and other senior officials of ICAR and NAHEP participated in the meeting.

(Program Coordinators: Drs SK Soam, D Thammi Raju & Alok Kumar)



Review meeting of NASF Project

A project review meeting of NASF funded project on Farmer Led Innovations in Plantation Sector was organized at IIPM, Bengaluru on Jan 6-7, 2022. During the meeting, methodologies for Agribusiness Climate

Analysis, Market Potential Analysis, Performance Efficiency Assessment and SWOT analysis of Innovations in plantation sector were designed.

Research Projects

Entrepreneurship Development through Farmer Led Innovations – A Case Study in Plantation Sector

The research project on Entrepreneurship Development through Farmer Led Innovations – A Case Study in Plantation Sector funded by NASF has been completed on Mar 31, 2022 and the final report is under preparation. Few of the output from the project are:

- Four Case studies – Three case studies on machines and one case study on crop variety - were developed with a view to study the features/ characteristics of the innovation, reasons behind coming up with the innovation, advantages of the innovation, commercialization aspects, challenges/ limitations of

the innovations, awards and publications, value chain, opinions of the adopters of the innovation along with field observations.

- Agribusiness Climate Analysis for 19 innovations was carried out – 7 under crop production area, 11 under machinery and 1 under crop protection. Agribusiness Climate Analysis depicts the Existing Innovation system for the specific innovations as compared to the Expected Innovation system for the specific innovations
- Developed FLIP Mobile App.



Tractor Operated Farm Waste Shredder



Ginger and Turmeric Planter



Arecanut Polishing Machine

Human Wildlife Conflict Mitigation for Agriculture Sector

The Academy organized a virtual launch workshop on Jan 24, 2022 for the multi-institutional, transdisciplinary project on “Developing and Pilot Testing Specialized Knowledge Products on Human Wildlife Conflict Mitigation for Agriculture and Veterinary Sector in India” implemented in technical collaboration with GIZ, German Agency for International Cooperation. The project is targeted to develop and pilot test knowledge products including policy briefs, training materials and research survey reports to facilitate cross-sector cooperation on human-wildlife conflict mitigation between forest and agriculture sector in India.

Dr Ch. Srinivasa Rao, Director, in his presidential address, explained the functional networks of the Academy with diverse stakeholders that enhances the reach of the knowledge products developed under this project. Dr Neeraj Khara, Team Leader- Human Wildlife Conflict Mitigation Project, GIZ-India explained the progress already made under the national project and the specific outcomes expected from the ICAR-NAARM-GIZ study component. Dr G Venkateshwarlu, Joint Director,



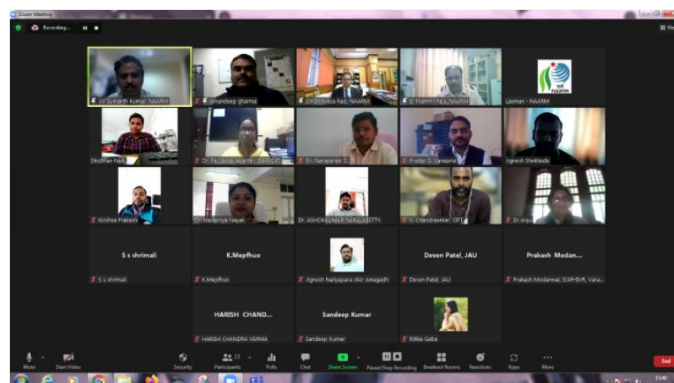
expressed hope that this project will serve as a platform to demonstrate the spirit of collaboration among diverse stakeholders. Dr SB Barbuddhe, Director, ICAR-NRC-Meat pointed out the importance of one health being under taken under this project.

Capacity Building Programs

Impactful ICT Applications and Technologies in Agriculture

The Academy conducted an online training program on Impactful ICT Applications and Technologies in Agriculture during Jan 03-07, 2022. The program covered concepts of ICTs, Artificial Intelligence, Machine Learning, Deep Learning & IoT; Presentation by various Startups explaining about their digital platforms that are currently implemented for various stakeholders. All the resources required for the program were shared in online mode, which includes ecosystem of digital resources required for hands-on practical session as well. The participants represent 13 states and belongs to 12 agricultural disciplines.

In his address during valedictory program, Dr Ch Srinivasa Rao, Director, highlighted the importance of ICT/AI methodologies in the current scenario, where more than 100 billion devices are connected to web and generates a lot of data. He urged the participants to implement the learnings in the domain of agriculture through possible collaborations. He also highlighted the



importance of capacity building on ICT/AI tools in the NARES and explained about various initiatives by start-ups of a-IDEA. He also emphasized the need of innovative AI apps and informed these AI innovations can possibly emerge at the intersection of Agriculture, Finance, IT, IOT and BI.

(Program Director: Dr VV Sumanth Kumar)

Doubling Farmers Income with Integrated Farming System

The Academy organized a training program on Doubling Farmers Income with Integrated Farming Systems (IFS) under SCSP during Jan 4-6 and 10-12, 2022. The program was carried out in collaboration with National Academy of Agricultural Sciences (NAAS), Hyderabad Chapter and Professor Jayashankar Telangana State Agricultural University at Krishi Vigyan Kendra, Palem, Nagarkurnool



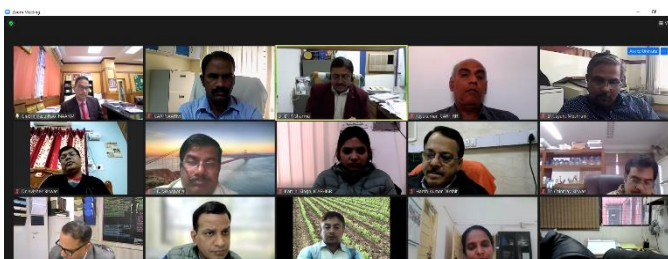
for the farmers of Vanguronipally, Kulmulonipally and Agrapharam potlapilly villages from two districts i.e Mahbubnagar and Nagarkurnool of Telangana State. Total 90 farmers were trained on the aspects related to Integrated Farming System for doublings the farmers' income. In view of the pandemic situation, the program was conducted in blended mode consisting both online and in-person sessions.

Dr Ch Srinivasa Rao, Director participated as a Chief Guest and lucidly explained the farmers on how to double the income by using different Integrated Farming System Technologies based on the availability of resources with the farmers. The farmers were also informed on the opportunities for natural farming and stressed the farmers to make use of this training program.

(Program Director: Dr M Ramesh Naik)

MDP on Intellectual Property Valuation and Technology Management

The Academy, in association with a-IDEA (TBI of ICAR-NAARM) conducted an online Management Development Program on Intellectual Property Valuation and Technology Management during Jan 18-22, 2022. The participants included 20 scientists/ faculty from ICAR institutes and State Agriculture Universities. The training program covered various aspects of IPRs, IP valuation and technology management viz., entrepreneurship and grass



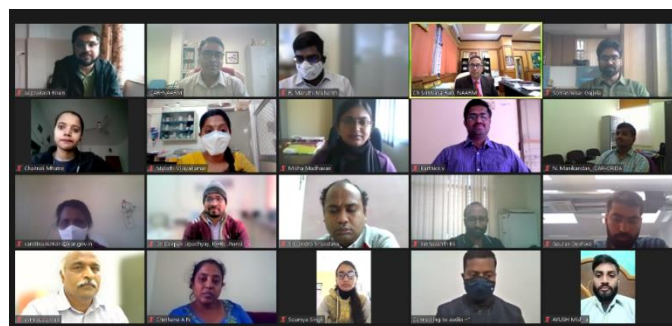
root innovations, technology management strategies, risk assessment, business planning etc., including current practices of innovation management in ICAR system. The training also dealt with the other aspects of Intellectual Property like copyright issues in academic research, IP informatics, valuation of Intellectual Property, potentials of Geographical Indications, etc.

Data Visualization in Agribusiness and Agricultural Research

A 6-days online training programme on Data Visualization in Agribusiness and Agricultural Research was organized during Jan 17-22, 2022. There were 32 participants including 10 female participants from various ICAR institutes and State Agricultural Universities. The programme covered various visualization tools and techniques which can be used for presenting data in research reports, other publications as well as presentations. It was a hands-on training in which participants were exposed to two popular software, namely, R and Tableau Public for generating graphic visuals. Speaking on the occasion, Dr Ch Srinivasa Rao, Director shared the importance of data as well as data visualization and how best these can be used to solve

Dr Ch. Srinivasa Rao, Director, while addressing in the valedictory function, highlighted on the importance of innovations and technology management in research organizations and impressed upon the participants to disseminate and implement the learnings from this training.

(Program Director: Dr Umesh Hudedamani)

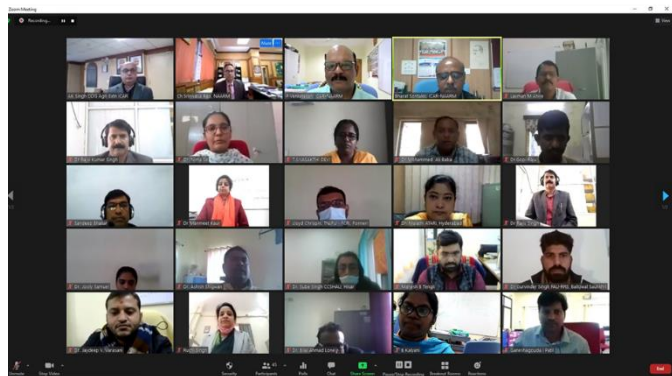


many issues of agricultural science as well as for decision making.

(Program Director: Dr Sanjiv Kumar)

Advances in Social Science Research and Evaluation

A 21-days online Winter School on Advances in Social Science Research and Evaluation was organized by the



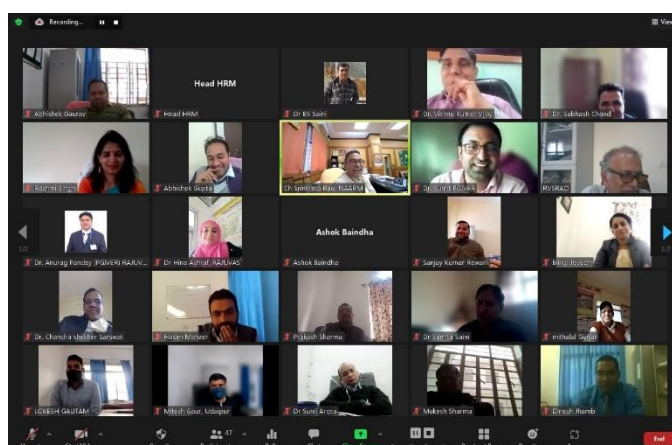
Academy during Jan 25 – Feb 14, 2022. This program was sponsored by the Education Division of ICAR, New Delhi. Dr Ashok Kumar Singh, Deputy Director General (Agricultural Extension), ICAR, New Delhi inaugurated the program on Jan 25, 2022. This program was organized with the core objective of imparting advanced knowledge and skills in conducting impact-oriented research and evaluation in social sciences in general and agricultural extension in particular. Forty-two participants representing NARS institutions from 15 States and one Union Territory participated.

(Program Directors: Drs P Venkatesan, Bharat S Sontakki & N Sivaramane)

Faculty Development Program

An Online Faculty Development Program was conducted by the Academy for the Faculty Members of RAJUVAS, Bikaner during Feb 4-11, 2022. A total of 60 participants including 1 Professor and 59 Assistant Professors participated in the program. This program provided in-depth understanding of Enhancing competencies of the faculty. The program consisted a blend of lectures, self-exploration instruments, experiential learning, and group discussion. The program provided an excellent opportunities for mutual interaction and information sharing among the participants.

(Program Director: Dr RVS Rao)



Livelihood Enhancing Skill Development Training for Rural Women

The Academy organized ten-days skill development training program on Eco Friendly Bag making under SCSP in collaboration with Krishi Vigyan Kendra (KVK), Yagantipalle for SC women during Feb 7-18, 2022. A total of 20 women from two villages viz., Yanakandla, Yagantipalle of Bethamcherla mandal of Kurnool district, Andhra Pradesh were trained on the aspects of bag stitching using materials such as jute and cloth, as well as a business plan for starting a bag-making enterprise. During the program, the participants acquired technical training in the stitching and designing of 18 different types and sizes of bags. Dr Ch Srinivasa Rao, Director participated virtually in the inaugural program as the Chief Guest and briefed the participants on the harmful effects of plastic usage and environmental pollution. He emphasized the importance and necessity of using eco-friendly bags as a viable alternative to plastic bags. The



participants were advised to utilize the skill-training program in order to increase their income generation. In the valedictory program, various bags designed and stitched by the participants during training were exhibited and the input materials for bag making were distributed to the participants.

(Program Director: Dr P Supriya)

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

A 5-days online training programme for marketing officers of Coromandel International was organized during Feb 14-18, 2022. The objective of the program was to expose the participants with advances in agriculture technologies, soil health and nutrition management and to provide knowledge in Coromandel product portfolio and to bring attitudinal & behavioral 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 Producers 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

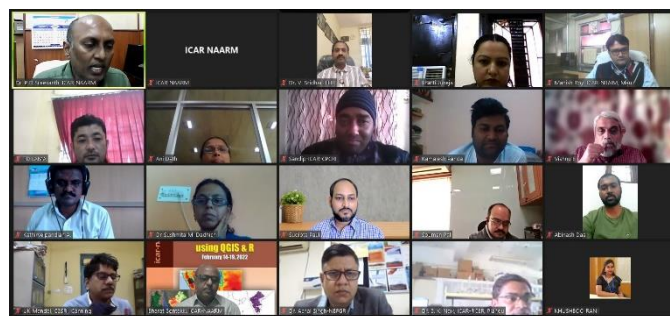


Management, Negotiation and Conflict Management also covered during training programme.

(Program Director: Dr PC Meena)

Geo-Spatial Analysis using QGIS & R

The Academy organized a virtual training program on Geo-spatial Analysis using QGIS & R during Feb 14-19, 2022. Delivering the valedictory address, Dr Bharat S Sontakki highlighted the importance of geospatial analysis in agriculture. He opined that GIS and remote sensing in agriculture helps farmers to achieve increased production and reduced costs by enabling better management of land resources. The importance of developing the special decision support system that would help in suitable policy planning was also underlined by him.



During the program, the participants were provided with the various advanced geo-spatial analytical techniques and hands-on training for the analysis of both spatial and

attribute data using open source software like QGIS, SAGA-GIS and R. The program was aimed at orienting the researchers with the twin goals of understanding and applying geospatial technologies and developing a decision support framework for managing agricultural production system for sustainability using open source

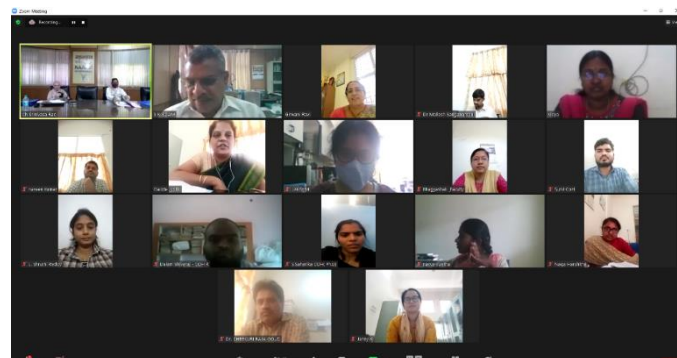
Design Thinking in Research and Education

The Academy conducted an online training on Design Thinking in Research and Education during Feb 15-19, 2022. The program was sponsored by College of Horticulture, Sri Konda Laxman Telangana State Horticultural University, Hyderabad. Fifteen young faculty members and research scholars of the college participated in the program. The major objectives of the program were to build design thinking perspectives among the researchers and educators, and develop competency for implementation of research idea and delivery of education with empathy, involving clients and key stakeholders.

In his valedictory address, Dr JC Katyal, Former DDG (Education), ICAR threw light on various aspects of design thinking to translate innovation to action with validation through active participation of stakeholders. Dr

data and software. A total of 45 participants including 12 female participants from various ICAR Institutes, State Agricultural Universities and Krishi Vigyan Kendras participated in this program.

(Program Director: Dr PD Sreekanth)



Ch. Srinivasa Rao, Director, in his presidential address during valedictory session, spoke on the efforts of ICAR-NAARM in enhancing the quality research and education. He asked participants to take career as opportunity to serve farming.

(Program Director: Dr SK Soam)

Bakery (Cakes, Muffins & bread) as Enterprise for Rural Women

The Academy organized a training program on Bakery (Cakes, Muffins & bread) as Enterprise under SCSP in collaboration with Professor Jayashankar Telangana State

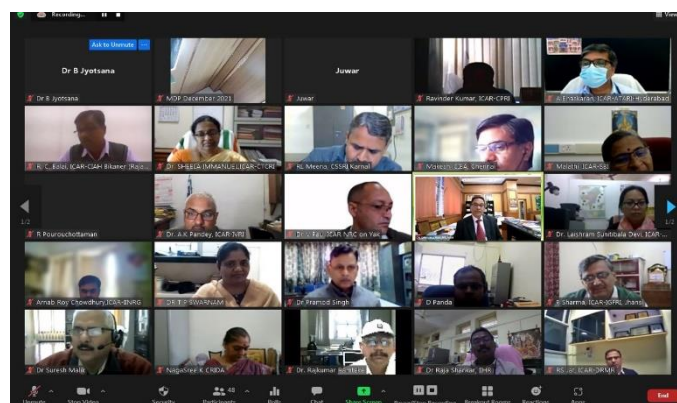


Agricultural University (PJTSU) at Rythu Vedika, Amrabad, Nagarkurnool for the rural women/ girls of Vanguronipally and Kulmulonipally villages during Feb 17-19, 2022. A total of 40 women/ girls farmers were trained on the aspects related to Bakery (Cakes, Muffins & bread) as Enterprise. Dr M Balakrishnan, Chairman, Sub-Plan Committee, ICAR-NAARM, during his inaugural speech, briefed the rural women about SC Sub-Plan Program and importance of training on bakery products for their livelihood. The program was successfully completed under the guidance of Dr T. Supraja, Professor, Head of Department (Foods & Nutrition), PGRC, PJTSU.

(Program Directors: Dr Laxman M Ahire & Mr D Murahari)

Competency Enhancement program for Effective Implementation of Training Functions by HRD Nodal Officers of ICAR

The Academy organized a virtual competency enhancement program for Effective Implementation of Training Functions by HRD Nodal Officers of ICAR during Feb 21-23, 2022. A total of 63 participants (06 female) participated in this program. The HR Activities of the institutes under ICAR are handled by HR Nodal Officers who handle HR Activities including that of training function. ICAR plans for competency enhancement of the training nodal officers in the process of training starting for training need analysis to training



impact assessment, to enable them to handle training function effectively and efficiently and to provide an opportunity for the HRD Nodal Officers, who are in the ICAR. The main purpose of the training program was to identify the competencies and competency framework of scientific cadre for agricultural research and extension who are engaged in agricultural research and education

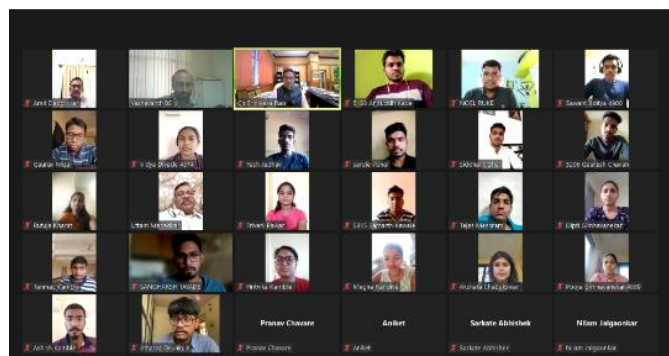
(including extension education) whether in physical, statistical, biological, engineering, technological or social sciences. This cadre also include persons engaged in planning, programming and management of scientific research.

(Program Director: Dr RVS Rao)

Soft Skills and Entrepreneurship Development

The Academy organised a virtual training program on Soft Skills and Entrepreneurship Development during Feb 21-26, 2022 for the students of College of Agriculture, Dr Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli.

Delivering the valedictory address, Dr Ch. Srinivasa Rao, Director, ICAR-NAARM, Hyderabad highlighted the importance of soft skills in becoming successful entrepreneurs. He opined that there is a large scope for entrepreneurs to help the farmers by value addition of agricultural products. He also highlighted the efforts of the Academy in developing interest among students towards entrepreneurship through series of sensitization programs. Dr Uttam Mahadkar, Associate Dean, CoA, Dr BSKKV and Er. Amit Deogirikar, Assistant Professor, Dr BSKVV were also present during the event.



During the program, the participants were given insights on improving different soft skills and entrepreneurial abilities through series of lectures and interactions. A total of 90 participants including 48 female students participated in this program.

(Program Director: Dr Yashavanth BS)

Recent Advances in Organic Farming Research

The Academy organized a virtual training program on Recent Advances in Organic Farming Research during Feb 22-26, 2022. A total of 49 Assistant Professors, Associate Professors, Subject Matter Specialists, Scientists of SAUs, ICAR Institutes and KVKs from different States across the country including 15 women participated in the training program.

Delivering the inaugural address, Dr Ch Srinivasa Rao, Director apprised the participants about the harmful effects of synthetic fertilizers & pesticides and its effects on soil health and as well as environmental pollution. He also lucidly explained the present scenario of organic agriculture and various government schemes initiated for promoting the organic and natural farming towards sustainable agriculture in India.

Padmashree Shri Yadlapalli Venkateswa Rao, Founder, Rhythunastam (Farmer friend), Pasunestam (Cattle friend) and Prakruti Nestham (Nature's friend) Magazine



graced the valedictory program as chief guest and highlighted the role of farmers and scientists in the nation building and sensitized the participants about organic production system for higher profitability and sustainability.

(Program Director: Dr M Ramesh Naik)

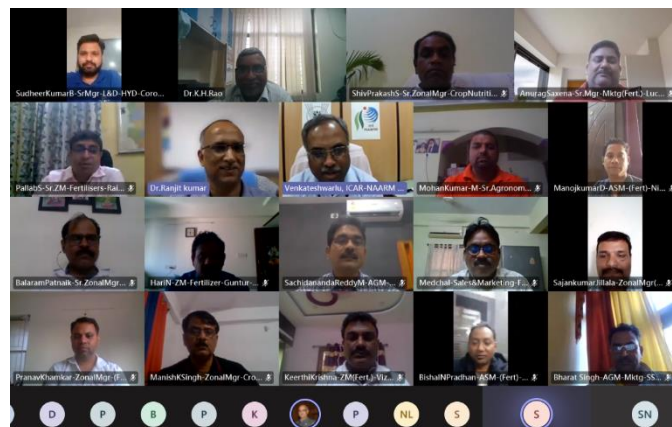
Collaborative Capability Program on Zonal Managers Excellence for Agri Leadership

The Academy conducted 3-day online collaborative capability program on Zonal Managers Excellence for Agri Leadership (ZEAL) for Coromandel International Ltd. during Feb 23-25, 2022. The purpose of the training

was to update the senior management professionals of agri-input industry about the latest development in agricultural sector, climate change, nutrient management, risk management, digital applications as well as soft skills.

The training was attended by 30 zonal managers of the company who are in charge of the business in different regions in the country.

In this collaborative training program, resource persons were invited from NAARM as well as Coromandel International. The participants exchanged their rich field experiences in each session, while resource person shared their knowledge and experiences on the respective subjects. During the inaugural session, Dr Ch Srinivasa Rao, Director emphasised on the need of balanced nutrient application in agriculture. He also emphasised that Indian agriculture is passing through unique phase, wherein we are having climate change scenario, while with the concerted efforts of smallholder farmers, the country is having record level of food production.



(Program Director: Dr Ranjit Kumar)

Value addition to Fruit products

The Academy conducted training program on Value addition to Fruit products for women farmers from the ICAR-NAARM adopted villages under sub-plan in collaboration with College of Community Science, PJTSAU during Feb 24-26, 2022 and Mar 09-11, 2022 at KVK- Palem and KVK-Adilabad, respectively. Dr Ch Srinivasa Rao, Director participated (On-line mode) as a Chief Guest and lucidly explained the farmers on how to double the income by using different horticultural crops based on the availability of resources with the farmers. The farmers were also informed on the opportunities for natural farming and stressed the farmers to make use of this training program.



(Program Director: Dr M Ramesh Naik)

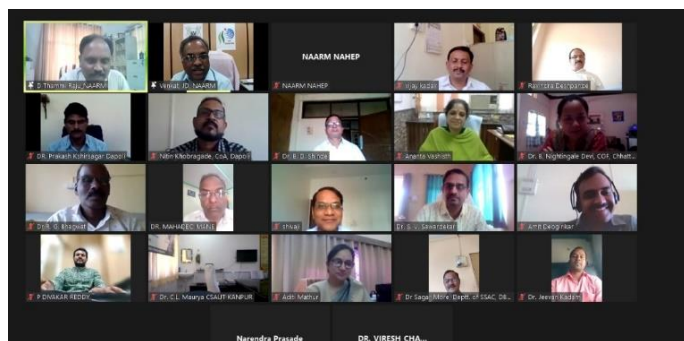
Enhancement of Teaching Competencies of Agri Faculty

The Academy organized an online training program on Enhancement of Teaching Competencies of Agri Faculty during Mar 1-5, 2022 for 20 participants representing 5 State Agricultural Universities and 1 Deemed University. Major emphasis of the program was to enhance faculty

teaching competencies for quality education with emphasis on National Education Policy-2020. The competencies related to teaching management, communication, micro teaching, e-learning, teaching with technology, students' engagement, classroom management etc were built on the basics of teaching and learning process.

During the valedictory function, Dr G Venkateshwarlu, Joint Director highlighted the importance of teaching competencies and pedagogy. He opined that combining both research and teaching can yield better results and advised participants to follow the learner-centric teaching practices.

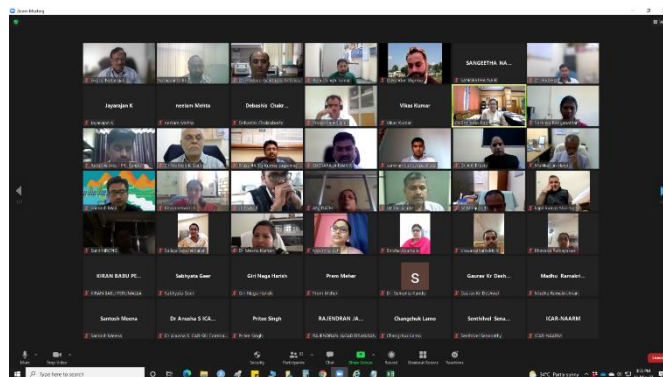
(Program Director: Dr D Thammi Raju)



Data Visualization using R

The Academy organized a 3-day virtual training workshop on Data Visualization using R during Mar 9-11, 2022. Delivering the valedictory address, Dr Ch Srinivasa Rao, Director, ICAR-NAARM, Hyderabad highlighted the importance of data visualization in science communication. He opined that the Indian scientific fraternity needs to spend more time on analysing the data obtained from carrying out different agricultural experiments for reaching appropriate conclusions and publishing in high impact journals.

The workshop consisted hands-on sessions on using R (a statistical programming language) for visualization of different kinds data viz., panel data, spatial data & text data. A total of 101 participants including 25 female



participants belonging to different ICAR institutes and SAUs participated in this workshop.

(Program Director: Dr Yashavanth BS)

Entrepreneurial Skill Development for Agricultural Graduates

The Academy conducted a training program on Entrepreneurial Skill Development for Agricultural Graduates under SCSP, for the students Bidhan Chandra Krishi Viswavidyalaya during Mar 11-13, 2022 in which a total of 100 students including 47 girl students were participated.

Delivering the inaugural address as chief guest, Dr Ch. Srinivasa Rao, Director apprised the participants about the role of students in the nation building and sensitized them for higher education besides motivating them to pursue higher education. Prof BS Mahapatra, Vice-Chancellor, BCKV, Mohanpur, West Bengal presided over the inaugural program and highlighted the need for developing skills to become an successful entrepreneur. The training program sensitized the students regarding the career opportunities, prospects in agricultural education and agri-preneurship. Dr S Goswami, Dean,



Faculty of Agriculture, participated as a Guest of Honour and stressed the students to make use of the training to help them pursue their future career avenues. The students were also imparted training on business plan preparation, design thinking and personality development.

(Program Directors: Dr M Ramesh Naik, ICAR- NAARM & Dr Gautam Saha, BCKV)

Skill Development Program on Backyard Poultry Farming

The Academy organized a training program on Backyard Poultry Farming under SCSP in collaboration with Krishi Vigyan Kendra (KVK), Yagantipalle, AP for SC women during Mar 14-16, 2022. The objective of the program was to enhance the livelihood through income generation by



having a self-employment activity to women. Forty women from three villages viz., Vemulapadu, Kalugotla, Meerapuram of Kurnool district, Andhra Pradesh were trained. The participants were given both theoretical & practical experience on poultry management in the backyards, diseases commonly observed in poultry and their management. To start the Backyard Poultry Farming by the trainees to each trainee 30 Rajashri chicks were distributed.

Delivering the valedictory address Dr M Balakrishnan, Chairman, Sub-Plan Committee, ICAR-NAARM, briefed the participants about SC Sub plan program and its implementation and enlightened the trainees towards adopting the Backyard Poultry Farming successfully as an

income generation activity. Smt. Dhanalakshmi, Senior Scientist & Head KVK, in her address, highlighted that the backyard poultry farming can boost up family income as

it involves low cost investment but gives higher economic returns.

(Program Director: Dr M Balakrishnan)

Teaching Competency Enhancement through Innovative Methods

The Academy organized a Faculty Development Programme on Teaching Competency Enhancement through Innovative Methods during March 15-19, 2022 in in-person mode. The programme was designed into 3 sections of 2,2 & 1 day each covering Concepts of Teaching/Learning and Micro Teaching, Electronic learning and Learning Management System, and Sessions related to policies. The programme was attended by 48 participants (24 female) belonging to 10 disciplines. All the resources required for the programme were shared in digital mode, which includes a digital learning platform at naarm-ysrhu.in which used for hands-on practical session as well.

During the valedictory session, Dr G Venkateshwarlu, Joint Director underscored the importance of awareness about various policies like National Education Policy among the faculty of NARES. The Chief Guest of the event and VC of Dr YSR Horticultural University informed various initiatives of the university and urged faculty to implement the learnings when they back to university. In his address, Dr. Ch. Srinivasa Rao, Director highlighted



the importance of Teaching Learning methodologies in the current scenario, where more than 100 billion devices are connected to web and generates a lot of data. He urged the participants to extend the learnings resources even for holistic education of farmers apart from students. An MoU was signed between the Academy and Dr YSR Horticultural University for possible collaboration in the areas of Research and Capacity development programmes.

(Program Director: Dr VV Sumanth Kumar)

Enhancing Livelihood of Women Farmers with Skill based training on Jute bag making

The Academy, in association with NAAS-Hyderabad Chapter organized a training program on Enhancing Livelihood of Women Farmers with Skill based training on Jute bag making under SCSP during Mar 16-20, 2022. The program was carried out in collaboration with Krishi Vigyan Kendra, Ghantasala, Krishna (Dist), Andhra Pradesh for the farmers of Kuchhikayalapudi, Ramanapudi, Ghantasala and Thadepalli villages from Krishna districts. Total 32 women farmers were trained on the aspects related to jute bag making.

Dr K Jhansi, Program Coordinator, KVK, Ghantasala highlighted the role of women farmers in the nation building and sensitized them towards uses of jute fiber



bags instead of plastic bags. Shri V Asha Kiran, IMC and RAC member, ICAR-NAARM, graced the program as guest of honour, appreciating the efforts of the Academy, stressed the farmers to make use of this training program.

Delivering the inaugural address as a Chief Guest, Dr Ch Srinivasa Rao, Director and Convener, NAAS-Hyderabad Chapter lucidly explained about the harmful effects of usage of plastic bags and plastic materials, its effects on soil health, human health and as well as environmental pollution. Delivering the valedictory address as Chief Guest, Dr T Neeraja, Dean of Community science, enlightened the trainees towards making different kinds of jute gunny bags as an income generation activity apart from their regular agricultural activity. Dr G Venkateshwarlu, Joint Director presided over the valedictory program and spoke on the remarkable progress made in agriculture by women farmers and also the need to preserve the natural resources by using all the biodegradable materials. He also highlighted that jute bag making can boost up family income as it involves low cost investment but gives higher economic returns.

(Program Director: Dr M Ramesh Naik)

Massive Open Online Course (MOOC) on Digital Teaching Techniques

Keeping in view the surge in demand for online learning and to use technology in education, a MOOC on Digital Teaching Techniques was organised by the Academy during Dec 1-31, 2021. The evaluation and certification were completed in February 2022. The course was offered through e-learning portal of the Academy with 9 online digital modules with associated activities like assignments, discussion and quiz. The program touched upon the aspects of exploring and using digital techniques and resources for enhancing quality of pedagogy and learning. The program was registered by 1870 participants from the entire country. Out of these, 1469 participants actively participated in the course of whom 801 participants successfully completed the course for certification.



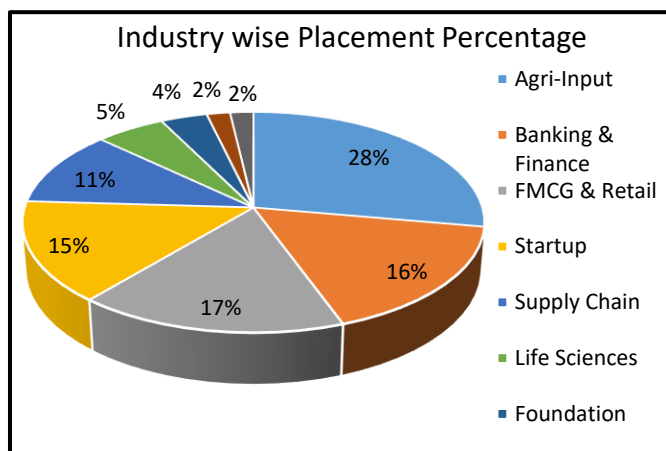
(Program Director: Dr GRK Murthy)

Academic News

Post-Graduate Diploma in Management (Agri-Business Management) PGDM-ABM

Placement of 2020-22 Batch Students

All the students of PGDM-ABM 2020-22 batch were placed in various agri-industry and agri-business companies through campus placement.. They were placed in different sectors, viz. Agri-Input, Banking & Microfinance, FMCG & Retail, Supply Chain, Startup, Life Sciences, Social enterprises, Commodity and Consultancy. This year 7 new companies visited the campus for placement of the students. Furthermore, 6 students got pre-placement offer (PPO) based on their excellent performance during their Summer training. The average package of this batch was Rs. 8.32 lakh per annum and the maximum being Rs. 12.56 per annum secured by a girl student.



Educational Tour-cum-Industrial Visit of PGDM-ABM Students

An Educational Tour-cum-Industrial Visit was organized for the students of PGDM-ABM 2020-22 Batch during



Mar 16-22, 2022. The purpose of the tour was to expose the students to different academic & research institutions, and agribusiness companies in the states of Karnataka, Kerala and Tamil Nadu to understand the farm/agribusiness practices and commercialization of agricultural technologies. The organizations/agri-industries visited during the tour were: NSL Sugars Ltd., Srirangapatna, Mysore; Aloor Tea Factory, Vythri at Wayanad; ICAR-Indian Institute of Spices Research, Calicut; Kuttanad area in Aleppey; Outgrow Agricultural Research Station of WayCool Industries Pvt. Ltd., Padalur; etc.

Farewell Ceremony of PGDM-ABM 2020-22 Batch

The PGDM-ABM 2020-22 batch completed their 2-years programme. On this occasion a farewell ceremony was organized for the students on Apr 02, 2022. The outgoing students shared their journey of 2 years at NAARM. They also gave some valuable feedbacks for further improving the standard and reputation of the programme. Some of the senior NAARM faculty also wished them for their bright future. Speaking on the occasion, Dr. Ranjit Kumar, Head ABM Division congratulated the students for successfully completing the programme and leaving the campus with job offer with them. He advised the students to always work



honestly and sincerely, and help the Almamater in pushing forward the brand PGDM-ABM@NAARM.

Summer Internship of PGDM-ABM 2021-23 Batch Students

The 57 students of 13th Batch have completed the academic courses of first year and proceeded for 6-8 weeks of Summer Internship. This year, 22 companies are hosting the PGDM students of the Academy for the Summer.

Broadly, the students will be working in the domain of farm surveys, market research & analytics and supply chain supervision.

Admission of PGDM-ABM 2022-24 Batch

The online application for admission into PGDM-ABM 2022-24 closed on 21st March 2022. The short-listed candidates will be called for Online/Offline interview

during 3rd/ 4th week of May 2022 (tentatively), depending upon the declaration of results of CMAT 2022 by NTA/AICTE.

Diploma programmes

Diploma in Technology Management in Agriculture (DTMA)

The contact classes of the DTMA - 2021 Batch of 29 students started in online mode. They also submitted the assignments and appeared in the term-end examinations. Evaluation of the semester exams and the project reports have been completed based on the procedures of the University of Hyderabad, in whose collaboration the program is being offered.

In DTMA-2022 Batch, 20 students have been admitted.



Diploma in Education Technology Management (DETM)

Admission notification for DETM-2022 has been announced. The programme has received a total of 50 applications through online/offline mode.

a-IDEA News

Memoranda of Agreement

The a-IDEA, TBI of ICAR-NAARM signed Memorandum of Agreement with ICAR-Indian Institute of Rice Research (IIRR), Hyderabad; Crescent Innovation and Incubation Council, Chennai; RR Animal Health Care, Hyderabad; Atal Innovation Center, NITTE Incubation Center, Karnataka; and Atal Innovation Center-Mahamana Foundation for Innovation and Entrepreneurship-IM-BHU, Varanasi on Feb 24, 2022 at the Academy. The agreement is aimed to support startups by organizing joint events, extending lab facilities, co-networking etc. Dr Ch. Srinivasa Rao, Director; Dr RM Sundaram, Director, ICAR-IIRR; Dr M Parvez Alam, CEO & Director, CIIC and Dr Debashis Dutta, Director, RR Animal Health Care Limited; Mr. Paritosh Tripathi, CEO, AIC-IM-BHU; Mr. Puneet Rai, Incubation Manager, AIC NITTE Karnataka signed the MoA on behalf of their respective organizations.

On this occasion, all the organizations expressed their readiness to extend the existing facilities and technologies

Webinar on Startups

a-IDEA, the incubation centre of the Academy organized Webinar on “Who are startups, what they do and how to get funded” in collaboration with ICAR-

Entrepreneurship Education & Pedagogy Training in Agriculture

The a-IDEA, TBI of ICAR-NAARM organized Entrepreneurship Education and Pedagogy Training in Agriculture for the students of the University of Agricultural Sciences, Raichur on Feb 26, 2022. The Program was organized as a part of the “Bharat Ka Amrut Mahotsav” to commemorate 75 Years of India’s Independence which saw a registered participation by about 150 Students.

Dr Ch Srinivasa Rao, Director, in his presidential remarks, emphasized the importance of working collectively by small and marginal farmers through FPOs. He highlighted the importance of waste reduction through efficient recycling and underlined the need for more storage facilities to reduce food loss. Dr MG Patil, Director (Education), University of Agricultural Sciences, Raichur, and Guest of Honour for the program, mentioned the significance of transforming agriculture into agribusiness. He also stressed the need to take agriculture and allied sectors in the lines of entrepreneurship.

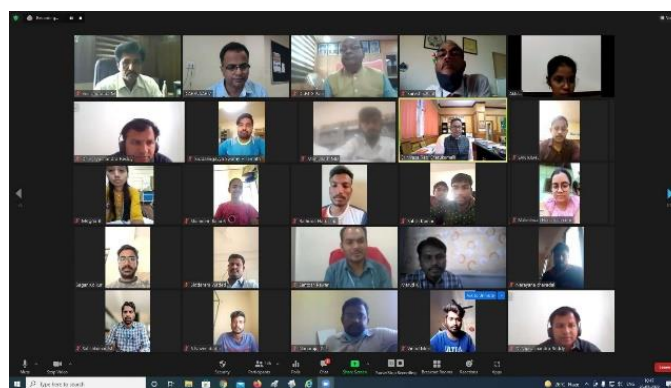
Dr NA Vijay Avinashilingam, Addtl. CEO, a-IDEA explained about the startups and reiterated the need to encourage the startup industry in India to reduce the



available with them in agriculture and allied sector for promoting the startup eco-system. Dr G Venkateshwarlu, Joint Director highlighted that the MoA provides overarching framework for collaboration in various project activities such as capacity building, workshops, providing lab facilities and technical support for incubates on mutual interest. Dr Ch Srinivasa Rao, Director highlighted the activities of a-IDEA and its support to more than 100 startups in agriculture and allied sectors.

(Event Coordinator: Dr Senthil Vinayagam)

RCNEH, Umiam, Meghalaya on Feb 10, 2022. Total of 62 startups and two resource persons participated in the program.



growing unemployment crisis. Dr Ganesh Kumar, Principal Scientist stressed upon the need for skillsets in entrepreneurship. Further, he asked the students to be passionate and visionary while establishing the enterprises. Mr. Vikram Sreerama, CEO, Amvucube Private Limited, an entrepreneur in identifying the internal defects of paddy without dehusking shared his experiences how a-IDEA turned his life into becoming a successful entrepreneur.

(Program Director: Dr NA Avinashilingam)

Joint sensitization workshops

The a-IDEA organized following joint sensitization workshops during Jan-Mar, 2022 for the benefit of Startups, students and staff of ABIs of ICAR:

- Translating Innovation into Business Opportunities in collaboration with Agribusiness Incubation Centre, ICAR-CIRCOT, Mumbai on Feb 28, 2022.
- Start-ups and Opportunities for Funding in collaboration with Agribusiness Incubation Centre, ICAR-Research Complex for Eastern Region, Ranchi, Jharkhand on Mar 15, 2022.

FPO – Startup Immersion Program



The a-IDEA organized 3 Farmer FPO's – Startup Immersion Programs during Jan-Mar, 2022. The first program was organized on March 03, 2022 along with NABARD officials in collaboration with APART, Guwahati. Total 12 startups (4 in-person and 8 virtually on zoom) presented their offerings and demonstrated their product/service to FPO's in North East. Successful connect for transaction happened between 24 FPOs and 6 Startups. The second program was organized on Mar 04, 2022 at Nalbari, Assam along with NABARD officials in

collaboration with Nalbari Agri & Allied Processors Industry Association. During the program, 11 FPO's and 10 incubatees of a-IDEA participated virtually and gained good networking. The third program was organized on Mar 05, 2022 at Umiam, Shillong, Meghalaya along with NABARD officials in collaboration with ABI Centre, ICAR Research Complex for NEH Region, Umiam, Meghalaya wherein 43 farmers and 9 incubatees of a-IDEA participated.

Cohort Networking and Capacity Building Program

The a-IDEA organized Cohort Networking and Capacity Building Program for incubatees under Krishiboot during Mar 10-11, 2022. The objective of the program was to develop networking among startups, and train them on financial management, effective pitch making and pitching process, concept of digital marketing and branding etc.

In his inaugural address, Dr G Venkateshwarlu, Joint Director highlighted the role of different programs undertaken by a-IDEA in order to create vibrant atmosphere to strengthen startup ecosystem and expressed his views on funding support through various sources for different stages of startups. The speakers Mr. Tapan Kumar Sahoo, AGM, NABARD; Mr. Subrata Sarkar, Consultant CFO; Mr. Praveen Dorna, Co-Founder,

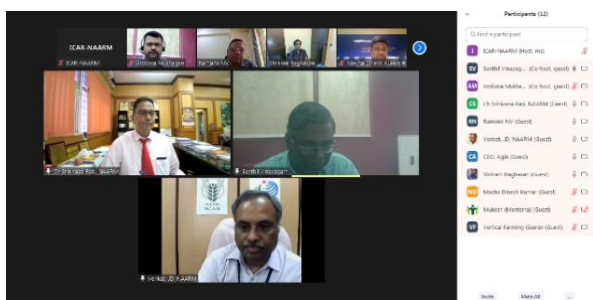


Sociohub, Startup Byte; Mr. Gaurav Patel, Founder, Pipe Bagger; and Ms. Sukriti, Founder, Avid Invent delivered the sessions.

During the valedictory session, Dr Ch Srinivasa Rao, Director highlighted the existing technical, financial and mentoring support for incubatees under Krishiboot. He also underlined the importance of Agri-Startups and their role in the entrepreneurial ecosystem.

10th General Body Meeting of a-IDEA

The 10th General Body Meeting of a-IDEA was held on Mar 14, 2022 under the Chairmanship of Dr Ch Srinivasa Rao, President, a-IDEA. Dr S Senthil Vinayagam, CEO & Principal Scientist of a-IDEA presented the progress of a-IDEA since Mar 01, 2021 to Mar 13, 2022.



Seed Support Management Committee Meeting of a-IDEA on Mar 22, 2022 under the Chairmanship of President, a-IDEA during which the progress of Seed funded startups was presented



PRAYAS Monitoring Committee (PMC) Meeting on Mar 23-24, 2022 for selection of startups under NIDHI PRAYAS during which 10 startups/ Individual innovators were selected among 21 shortlisted candidates under 3rd Call



a-IDEA participated in WORLD Organic EXPO during Feb 25-27, 2022 at New Delhi organized by NNS Media Group and received 2nd prize under the category of promoting Agri-business



Twenty-five officials of NABARD visited a-IDEA on Mar 15, 2022 to facilitate interaction with startups and acknowledge the progress of a-IDEA.

Events

Girl Child Day celebrations

As a part of Celebration of National Girl Child Day on 24th January, The Academy conducted a selfie photo contest under the theme "Selfie with Daughter". All NAARM employees, project staff, supporting staff and PGDM-ABM students actively participated in the contest. The best entries were awarded prizes on International Women's day celebrations.

(Event coordinators: Dr P Supriya, Mrs. G Aneja and Dr Surya Rathore)



Pensioners Meeting

The 11th Pensioners' meeting was organized by PAU-NAARM on Jan 12, 2022 under the Chairmanship of Director, ICAR-NAARM. A total of 57 participants including pensioners, representatives of Pensioners Association, Bank, and representatives of institutes participated in the virtual meeting. In his opening remarks, Dr Ch. Srinivasa Rao, Director thanked all the sister institutes for conducting pensioners meeting at their institute level to resolve the grievances of the pensioners. He also highlighted various steps taken by the Academy during the pandemic for the health benefits of pensioners and staff including vaccination camps, free diabetic camps, assistance in taking treatment at various hospitals at govt. rates etc. A total of 11 issues were raised by



Pensioners Association namely, RICAREA, and CPWA and other individual pensioners.

Interaction with Additional Secretary & FA, DARE/ICAR

Shri Sanjiv Kumar, Additional Secretary and Financial Advisor, DARE/ICAR interacted with Directors of Hyderabad based ICAR Institutes, Heads of Administration and Heads of Finance on Feb 9, 2022 at the Academy to review finance and administrative issues and budget utilization.

During the interaction, he expressed his deep satisfaction with the working of ICAR system and stressed the importance of knowing the working of institutes from field experience. He informed that the ICAR system is so vast that no activity of Government can happen without the research undertaken by more than 100 different institutes under ICAR, and KVKs. He appreciated the green campus of ICAR-NAARM and termed it as the ideal place for learning. He stressed that the financial resources are limited and we have to generate more and more resources internally with the expert manpower the system has. Directors informed the house about the budget utilization as well as the achievement and

activities of the respective institutes to him. He further interacted with administrative and finance heads on specific issues of the ICAR-Institutes.

In his welcome address, Dr Ch Srinivasa Rao, Director highlighted the importance of timely budget utilization and also internal resource generation and assured on behalf of all institutes that they will be utilize the 100% grants on priority activities of the Institutes.



Matrubhasha Diwas Celebrations

The Academy celebrated “Matrubhasha Diwas” in a grand manner on Feb 21, 2022. As per the guidelines received from AICTE, Ministry of Education, GoI, the celebrations marked to promote and preserve Mother Languages across the country with the objectives: Highlight the linguistic diversity of our country; Encourage usage of not only the respective mother language, but other Indian languages as well; To understand diverse cultures in India and various forms of literature, craft, performing arts, scripts and other forms of creative expression.

While speaking on the occasion, Dr G Venkateswarlu, Joint Director expressed his desire to converse in his matrubhasha i.e., Telugu after serving in other states for more than 3 decades. He urged students to learn other Indian languages too for their own benefit and reap the advantage. Respect other languages is another important aspect, he advocated. Dr Ch Srinivasa Rao, Director, in his address, elicited the advantage of conversing in matrubhasha, and shared his experiences while schooling. He advised the students to pick up the language other than matrubhasha to understand diverse cultures in India. He added, it will help to exposure of various forms crafts and arts, scripts and other forms of creative expression.

National Science Day Celebrations

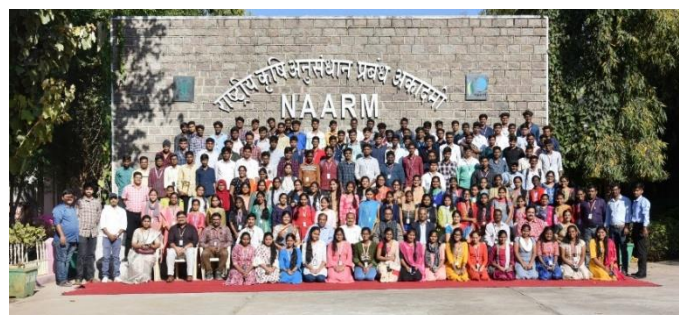
The Academy celebrated National Science Day on Feb 28, 2022 highlighting this year’s main theme of ‘Integrated Approach in Science and Technology for a Sustainable Future’. The National Science Day is celebrated to mark the remarkable discovery “the Raman Effect” by renowned Indian Scientist Sir Chandrasekhara Venkata Raman in 1928 who received the Nobel Prize in 1930. Besides, paying respectful tribute to all the scientists who have contributed significantly in enriching our scientific journey.

While speaking on the occasion, Dr Ch Srinivasa Rao, Director motivated and inspired the students by quoting eminent Indian scientists who contributed immensely in agriculture and other sectors. He explained how agricultural engineering, farm mechanization, food processing is gaining importance in the country. While highlighting the importance of the day and how the science and technology played crucial role in addressing the recent world-wide covid pandemic he elicited the example of Bharath Biotech’s journey and its vaccine. There is no life without science, hence, he requested the students to develop scientific temperament. Nutritional food requirement esp. for women, less usage of plastic, Swachh Bharath are other important aspects he touched upon while addressing the students.



The PGDM (ABM) students, around 60, participated in the event enthusiastically and expressed their experiences with other Indian languages. Many of them spoke on the occasion while narrating the story of other language learning, the dialects variation with in the language, how important and easy it is to express in the mother tongue. Some students showcased their singing talent by singing in other than their mother tongue. Other students creatively expressed their journey of student life away from their own region, and how they picked up the local language. Besides students, faculty members and staff of the Academy also participated extempore in the event with much enthusiasm and fervor.

(Event Coordinator: Mrs G Aneja)



Dr G Venkateswarlu, Joint Director told that integrated approach of science and technology is the mantra of the research worldwide and the society cannot progress unless there are collective efforts from scientific fraternity. He urged students to “learn to click; and click to learn” in science with deep interest in order to reach their career goals.

During the valedictory celebrations, around 200 undergraduate and postgraduate Science and Engineering students from Gurunanak Institute of Technology, Sardar Patel College, Bharath Institute of Technology, Sidhartha Institute of Technology and Science, J.B. Institute of Engineering and technology, Spoorthi College of Engineering, KPR Institute of Technology participated.

(Event Coordinator: Mrs G Aneja)

International Women's Day celebrations

The Academy celebrated International Women's Day on Mar 08, 2022. On this occasion, a workshop on Work-Life balance for Women was organised. Around 60 participants including faculty members, staff, students and farm women attended the program. Dr G Venkateshwarlu, Joint Director highlighted the critical role of women in the work-force and family wellbeing from ancient times to the present day. Smt Padmavathi, Prathinidhi, Kasturba Gandhi National Memorial Trust, Hyderabad, shared her journey and experiences, as well as the importance of subject on Work-Life balance. She encouraged the attendees to practice self-care and dedicate some time for themselves. She also stated that many women are able to do excellent



contribution in various professions because of strong system support available in different forms.

(Event Coordinators: Drs P Supriya and Surya Rathore)

Mentoring High School Students

As part of activities involving students, NAAS-Hyderabad Chapter in association with Madhumitha Foundation, Suryapet, Telangana, organized an interactive program with 109 high school students of 9th and 10th classes from the Zilla Parishad High School and Kodakandla Model School from Jangaon district of Telangana on Mar 10, 2022 at the Academy. Dr Ch Srinivasa Rao, Director, ICAR-NAARM and Convener, NAAS-Hyderabad Chapter interacted with students and motivated them towards pursuing science, especially agricultural sciences, and careers related to them. During the interaction, he also enlightened the students about the Swachha Bharath and need for cleanliness in villages, and how the students can help in



achieving the same. He also sensitized them about the harmful effects of usage of plastic on soil and environment.

Student Visitors

Name of the University	Date	Number
Dr YS Parmar University of Horticulture and Forestry, Solan, Himachal Pradesh (Virtual visit)	Jan 31, 2022	42
Students of class 9 th and 10 th from Thorrur and Danthalapally Govt High schools from Mahabubabad	Feb 25, 2022	106
B.Sc (Agri) students (IV th -year) from Kumaraguru Institute of Agriculture, Erode, Tamilnadu (Virtual visit)	Mar 22, 2022	54
B Sc (Agri) students (IV th -year) from JNKKV, Jabalpur (In-person visit)	Mar 28, 2022	35
Agro-based Entrepreneurship Development Program of National Institute for Micro, Small and Medium Enterprises (NI-MSME) trainees representing five Agricultural colleges under Acharya N G Ranga Agricultural University, Andhra Pradesh (In-person visit)	Mar 30, 2022	40
BSc (Hons.) students from College of Community Science, UAS, Dharwad (In-person visit)	Mar 31, 2022	70

Faculty Achievements

Honours, Awards and Recognitions

Dr Ch Srinivasa Rao, Director, ICAR-NAARM is nominated as member of the Steering Committee to prepare India's Adaptation Communication under UNFCCC, constituted by MoEF&CC, Govt. of India.

Dr Ch Srinivasa Rao, Director, ICAR-NAARM is nominated as Member of the Committee to recommend course curriculum for the Certificate Course on Agri-Logistics, constituted by NCCT, Ministry of Cooperation, Govt. of India.

Dr SK Soam was Guest of Honor at two-day online Webinar on Opportunities for Agricultural Students in Personality and Career Development organised by Indira Gandhi Krishi Vishwavidyalaya, Raipur.

Dr Ranjit Kumar is nominated as the Chairman of BSMA Committee for Social Sciences disciplines for revision of ARS syllabus by ICAR, New Delhi.

Dr Ranjit Kumar is nominated as a member of the Curriculum Committee of National Institute of Open Schooling (NIOS) for development of new course on agriculture.

Dr Ranjit Kumar is nominated as a member of Advisory Council of National Cooperative Union of India (NCUI), New Delhi.

Dr Ranjit Kumar is nominated as the External Examiner for evaluating the thesis and conducting viva-voce of PhD thesis in Business Studies of the student of Central University of Karnataka, Kalaburagi.

Dr Ranjit Kumar is nominated as an expert member for review of the research proposals of 20 students of MBA (Agribusiness Management) of PJTSAU, Hyderabad.

Publications

Research Articles

Akhila K, PV Naga Sindhuja, SS Vinayagam, M Krishnan, BS Yashavanth and Badri Narayanan G (2022). Growth, Instability and Trends in Area, Production and Productivity of Coconuts in India. *ASERC Journal of Socio-Economic Studies*, **4(2)**: 151-163.

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Bal SN, Sandeep VM, Vijaya Kumar P, Subba Rao AVM, Pramod VP, Manikandan N, Srinivasarao Ch, Singh NP & Bhaskar S (2021). Assessing impact of dry spells on the principal rainfed crops in major dryland regions of India. *Agricultural and Forest Meteorology*, **313**: 108768. <https://doi.org/10.1002/wfp2.12034>

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Media coverage

हिन्दी मिलाप
नार्म में पीजीडीएम-कृषि व्यवसाय प्रबंधन पाठ्यक्रम में प्रवेश के लिए आवेदन आमंत्रित
हिन्दी मिलाप
नार्म में पीजीडीएम-कृषि व्यवसाय प्रबंधन पाठ्यक्रम में प्रवेश के लिए आवेदन आमंत्रित

हिन्दी मिलाप
नार्म में राष्ट्रीय विज्ञान दिवस आयोजित
हिन्दी मिलाप
नार्म में राष्ट्रीय विज्ञान दिवस आयोजित

नार्म में मनाया राष्ट्रीय विज्ञान दिवस
हिन्दी मिलाप
नार्म में मनाया राष्ट्रीय विज्ञान दिवस



నార్మలో ఘనంగా నేషనల్ సైన్స్ డే వేడుకలు
రాజేంద్రనగర్, ఫిబ్రవరి 28 ప్రభావవార్త : రాజేంద్రనగర్లోని నేషనల్ అకాడమీ ఆఫ్ అగ్రికల్చరల్ రీసెర్చ్ మేనేజ్మెంట్ (నార్మ) లో సోమవారం నేషనల్ సైన్స్ డే డిస్కోవ్రీ వాన్సు ఘనంగా నిర్వహించారు. సైన్స్ శాస్త్రాన్ని సుసంపన్నం చేయడంలో గణనీయంగా కృషి చేసిన శాస్త్రవేత్తలకు నివాళులర్పించారు. ఈ సందర్భంగా నార్మ జాయింట్ డైరెక్టర్ డాక్టర్ జి.వెంకటేశ్వర్లు మాట్లాడుతూ ప్రపంచ వ్యాప్తంగా జరుగుతున్న పరిశోధనలకు శాస్త్రసాంకేతికత నమీకృత విధానమేనని అన్నారు.

ఘనంగా సైన్స్ డే

రాజేంద్రనగర్, ఫిబ్రవరి 28(ఆంధ్ర డిపి): రాజేంద్రనగర్లోని నేషనల్ అకాడమీ ఆఫ్ అగ్రికల్చరల్ రీసెర్చ్ మేనేజ్మెంట్ (నార్మ)లో సోమవారం జాతీయ సైన్స్ డేను ఘనంగా నిర్వహించారు. నార్మ డైరెక్టర్ డాక్టర్ సీహెచ్ శ్రీనివాసరావు ఆధ్వర్యంలో జరిగిన ఈ వేడుకలో అంబిగోటికల్ అట్రోప్ ఇన్ సైన్స్ అండ్ టెక్నాలజీ పర్ ఏ సస్టైనబుల్ ఫ్యూచర్ అనే అంశపై డిగ్రీ స్టూడెంట్ విద్యార్థులకు వివిధ రకాల పోటీలు నిర్వహించారు. కార్యక్రమంలో జాయింట్ డైరెక్టర్ డాక్టర్ జి.వెంకటేశ్వర్లు శాస్త్రవేత్తలు, ఉద్యోగులు పాల్గొన్నారు.

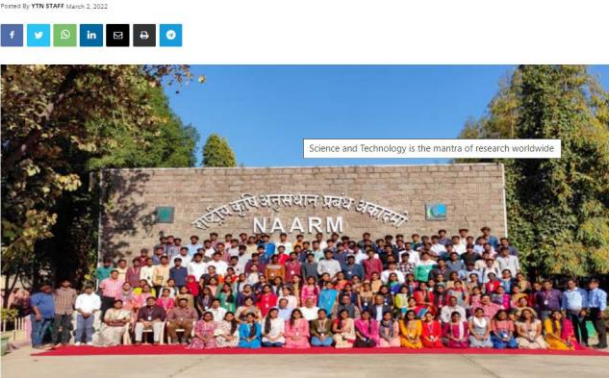


శివదాంపర్తి జిల్లా పరిషత్ ఉన్నత పాఠశాలలో జరిగిన సైన్స్ డేలో పాల్గొన్న విద్యార్థులు

నేషనల్ సైన్స్ డేలో పాఠశాల ప్రధానోపాధ్యాయులు జి.కె.ఎం., ఉపాధ్యాయులు మేనేజ్మెంట్ డి.డి. స్థానిక నాయకులు పడమటి శ్రీరేణుశ్రీ తదితరులు పాల్గొన్నారు. అలాగే పూర్వ శ్రీ వైకమ్మ హై స్కూల్లో జరిగిన సైన్స్ డేలో అలాగూ డివిజన్ కార్యకర్తలతో సహా గౌరవనీయ విద్యార్థులకు సైన్స్ ప్రాముఖ్యతను వివరించారు.

శివదాంపర్తి జిల్లా పరిషత్ ఉన్నత పాఠశాలలో నిర్వహించిన సైన్స్ ప్రదర్శనలు చేశారు. కార్యక్రమంలో విద్యార్థులు వివిధ సైన్స్ ప్రదర్శనలు చేశారు. కార్యక్రమంలో విద్యార్థులు వివిధ సైన్స్ ప్రదర్శనలు చేశారు.

Science and Technology is the mantra of research worldwide



'నార్మ'లో అగ్రి బిజినెస్
ప్రపంచంలోని వాణిజ్య-వనరుల అకాడమీ ఆఫ్ అగ్రికల్చరల్ రీసెర్చ్ మేనేజ్మెంట్ (నార్మ) 2022-2024 విద్యా సంవత్సరానికి గాను ఓపికాంబు (అగ్రి బిజినెస్ మేనేజ్మెంట్) ప్రోగ్రామ్లో ప్రవేశం చేసినందుకు గౌరవం.
నార్మలో అగ్రి బిజినెస్ మేనేజ్మెంట్ ప్రోగ్రామ్లో ప్రవేశం చేసినందుకు గౌరవం.

Faculty / Staff Participation in Scientific Events

Program Name	Date	Scientist Name
Review Meeting of Officers and Staff of ICAR Headquarters, Institutes of ICAR, ASRB and DARE under the Chairmanship of Secretary, DARE & DG, ICAR	Jan 3, 2022	Dr Ch Srinivasa Rao
28th Board of Management Meeting of PJTSAU	Jan 8, 2022	
महानिदेशक महोदय की अध्यक्षता में वर्चुअल 'विश्व हिंदी दिवस'	Jan 10, 2022	
2nd Meeting of ICT Steering Committee organised by Information and Communication Technology Unit, ICAR	Jan 12, 2022	
6th Meeting of Executive Council of NCCT	Jan 17, 2022	
123rd Meeting of the Executive Council of National Academy of Agricultural Sciences	Jan 18, 2022	
NCCT Meeting to finalize parameters for deliverable targets and outcomes to review the training activities of NCCT institutes	Jan 21, 2022	
Meeting of the Institute Performance Review Committee organised by NCCT, New Delhi	Jan 31, 2022	
7th Meeting of Executive Council of National Council for Cooperative Training, New Delhi	Feb 5, 2022	
Annual Review Meeting with the CG Centres	Feb 7, 2022	
ICAR Senior Officers Committee Meeting	Feb 8, 2022	
Presentation on Agricultural Research Management System (ARMS) organised by ICAR	Feb 8, 2022	
Panelist in the Online brainstorming meeting on "Sustaining growth in pulses" in the Session on Conservation agriculture and natural farming on the occasion of 'World Pulses Day' organized jointly by the ICAR-IIPR, Kanpur and Indian Society of Pulses Research and Development	Feb 10, 2022	
National Level Consultations prior to 36th FAO Regional Conference for Asia and the Pacific (APRC36) by Office of the Representative in India, Food and Agricultural Organisation of the United Nations	Feb 16, 2022	
Meeting with Dr H.S.K. Thangirala, Director, Institute of Cooperative Management, Hyderabad	Feb 17, 2022	
124th Executive Council Meeting of National Academy of Agricultural Sciences	Feb 18, 2022	
First Meeting of the Steering Committee as Member to prepare Adaptation communication under UNFCCC under the Chairmanship of Additional Secretary, Ministry of Environment, Forest and Climate Change, New Delhi	Feb 18, 2022	
NCCT Committee Meeting for designing of course curriculum for launching Certificate Course on Agri-Logistics	Feb 26, 2022	
FPO Summit organised by CII and NCDEX jointly in partnership with National NABARD and NABARD Consultancy Services Private Ltd	Feb 28, 2022	
Online Webinar on COP26 and the Year Ahead (communication received from Oxford Climate Policy, Oxford)	Mar 3, 2022	
303 rd Meeting of the Board of Management of ANGRAU	Mar 4, 2022	
ICAR Committee on APAR	Mar 10, 2022	
93rd Annual General Meeting of the ICAR Society as Special Invitee	Mar 26, 2022	

Program Name	Date	Scientist Name
26th Meeting of Food and Agriculture Division Council (FADC) of Bureau of Indian Standards (BIS), Govt. of India, under the Chairmanship of Secretary, DARE & DG, ICAR	Mar 30, 2022	Dr Ch Srinivasa Rao
29th Board of Management Meeting of PJTSAU, Hyderabad	Mar 30, 2022	
Annual Review Meeting by DG, ICAR	Feb 4, 2022	Dr S K Soam
Second meeting of Expert Committee for Agri-tech Initiatives by NITI Aayog	Jan 10, 2022	Dr Ranjit Kumar
Meeting of course curriculum development on Agriculture by National Institute of Open Schooling (NIOS)	Jan 24-25, 2022	
ARS syllabus revision committee meeting	Feb 02, 09 & 22, 2022	
CII NCDEX FPO Summit	Feb 28, 2022	
Sunflower Field Day and Interaction with the Farmers organized by ICAR-IIOR, Hyderabad at Chinnakodur village, Siddipet district, TS	Mar 05, 2022	Drs Ranjit Kumar & Sanjiv Kumar
BIRAC BIG online Review meeting	Jan 03, 2022	Dr S Senthil Vinayagam
BIRAC BIG Technical Evaluation Proposal meeting organized by DST, New Delhi	Jan 19-21, 2022	
BIG 19 TEP recommendations and ESC Meeting	Feb 3, 2022	
BIRAC BIG Expert Selection Committee (ESC) Meeting	Feb 10, 2022	
Introductory Meeting for EYUVA Centres and BioNEST Knowledge Partners	Feb 25, 2022	
Demo Day of Crescent Innovation & Incubation Council (CIIC), Chennai	Mar 27-28, 2022	

Served as Key Speaker/ Resource Person in Scientific Meetings/ Webinars

Faculty	Topic	Event	Organiser	Date
Dr Ch Srinivasa Rao	Positive Thinking and Personality Development	ICAR Sponsored Winter School on "Obtaining globally recognized certifications for ensuring quality and safety of milk, meat, poultry and fish and establishing food testing laboratory"	ICAR-National Research Centre on Meat, Hyderabad	Feb 24, 2022
Dr Ranjit Kumar	Importance of the business plan for the FPO	Workshop on business development for FPOs	ICAR-IIOR, Hyderabad	Feb 22, 2022
Dr S Senthil Vinayagam	Integration of AIG Linkages in Agricultural Education in align with NEP – 2020	National Conference on "NEP 2020 for Comprehensive Transformation in Agricultural Education – Initiatives, challenges and a way forward	UAS, Raichur	Mar 16, 2022
	Effective Communication Skills	Online National Training Program for the Faculty Members of RAJUVAS, Bikaner	RAJUVAS, Bikaner	Feb 5, 2022
	Competency Enhancement for Digital Teaching	Online National Training Program for the Faculty Members of RAJUVAS, Bikaner	RAJUVAS, Bikaner	Feb 8, 2022

Faculty	Topic	Event	Organiser	Date
	Lead paper on Integration of AIG Linkages in Agricultural Education in align with NEP - 2020	National Conference on NEP 2020 for Comprehensive Transformation in Agricultural Education – Initiatives, challenges and a way forward	UAS, Raichur	Mar 16, 2022
Dr M Balakrishnan	Types of network - PAN, LAN, WAN, Internet, AGRINET, AKIS, Indian National Agricultural Research database. Sharing & Networking System of Information and Challenges in the use of ICT	Online tutorial classes on ICAR NET/ARS examination	Department of Agricultural Extension & Communication, MPKV, Rahuri	Feb 23, 2022
	Bioinformatics in Agriculture	Online training program on Data Management	ICAR-IIMR, Hyderabad	Mar 3, 2022
Dr Surya Rathore	Development of Soft Skills for Agripreneurship development among graduates: Strategic interventions under NAHEP	National Seminar on Role of Agri-Entrepreneurship, FPO and Fisheries in Atmanirbhar Bharat: Issues and challenges with special reference to Andaman and Nicobar Islands	Jawaharlal Nehru Rajkeeya Mahavidhyalaya, Port Blair in association with NABARD	Mar 25, 2022
	Strategies for promoting Women Agripreneurs	International workshop on Evidence-based Gender equitable Agriculture & Food systems	MANAGE, Hyderabad	Mar 29, 2022
	Motivating Girl Child for STEMM subjects	Webinar	IARI, New Delhi	Jan 24, 2022
Dr P Venkatesan	Thematic Analysis using NVivo-12	Webinar	Agricultural College, ANGRAU, Bapatla	Feb 19, 2022
Dr Sanjiv Kumar	Linking farmers to market through FPO	Faculty Development Programme on Advances in Agriculture	School of Agriculture, MVN University, Haryana	Feb 17, 2022
	Entrepreneurial opportunities in Agricultural Sector	Short training course on Role of Agribusiness in self-reliance of India	Department of Business Management, CCS Haryana Agricultural University	Feb 22, 2022
	Digital Marketing: Emerging areas in Agribusiness marketing			Feb 24, 2022
Dr BS Yashavanth	Forecasting number of animals insured under livestock insurance scheme using Grey Model	24th Annual Conference of SSCA (online) on Recent Advances in Statistical Theory and Applications (RASTA-2022)	Society of Statistics, Computer and Applications (SSCA) and ICAR-NAARM	Feb 24, 2022
Dr P Supriya	Use and Application of Bioinformatics tools in diagnostic arena	High-end workshop (KARYASHALA) on Genomic and proteomic tools in rapid	ICAR-National Research Centre On Meat, Hyderabad	Jan 7, 2021

Faculty	Topic	Event	Organiser	Date
		detection of meat adulteration and zoonotic pathogens		
	Trends and Application of Bioinformatics and Data science in Agriculture	24th Annual Conference of SSCA (online) on Recent Advances in Statistical Theory and Applications (RASTA-2022)	Society of Statistics, Computer and Applications (SSCA) and ICAR-NAARM	Feb 27, 2022
Mrs G Aneeja	Etiquette, ethics, and communication skills	Induction training for newly recruited stenographers	IT Dept., GoI	Jan 17-21, 2022
	Gender Sensitization			
	Soft Skills	6-month training program for newly recruited Sericulture Officers	Andhra Pradesh State Sericulture Research and Development Institute	Feb 3, 2022

Other Contributions

Dr Bharat S Sontakki attended DPC Meeting of Agricultural Extension Scientist at ICAR-NIANP, Bengaluru as Expert nominated by DG, ICAR on Jan 6, 2022.

Dr Bharat S Sontakki chaired online DPC Meeting for Promotion of Library (Technical) Staff of ICAR-CIFE, Mumbai on Mar 10, 2022.

Dr Ranjit Kumar participated in selection committee meeting for CAS of ARS scientist at ICAR-IIRR, Hyderabad on Mar 02, 2022

Dr Senthil S Vinayagam attended Selection Committee meeting for grant of advancement under NARS organized by MANAGE, Hyderabad on Feb 4, 2022.

Dr Senthil S Vinayagam attended selection committee meeting for promotion of ARS Scientist under CAS at IIMR, Hyderabad on Feb 24, 2022.

Dr Senthil S Vinayagam attended as an expert of the selection committee for assessing the promotion cases of ARS Scientists for the discipline of Agrl. Extension organized by ICAR-IIRR, Hyderabad on Mar 02, 2022.

Dr Senthil S Vinayagam attended IMC meeting of ICAR-NRC Meat, Hyderabad on Mar 15, 2022.

Dr Surya Rathore was Member, National Advisory Committee of National Seminar on Role of Agri-Entrepreneurship, FPO and Fisheries in Atmanirbhar Bharat: Issues and challenges with special reference to Andaman and Nicobar Islands organised by Jawaharlal Nehru Rajkeeya Mahavidhyalaya, Port Blair, Andaman & Nicobar Islands in association with NABARD on Mar 25, 2022.

Trainings attended by the Faculty/Staff

Dr S Senthil Vinayagam attended Capacity Building Program for CEO's & BOD's of FPO's along with Officials from NABARD, KVKs, Department of Fisheries, Horticulture at Kurnool, Andhra Pradesh on Feb 18, 2022.

Dr Sanjiv Kumar attended ICAR sponsored 21-days winter school on 'Advances in Social Science Research and Evaluation' at ICAR-NAARM during Jan 25 to Feb 14, 2022.

Staff News

Superannuation / Retirement

Dr MA Basith, T-9, Chief Technical Officer (Jr.Farm Superintendent), retired (on superannuation) on Feb 28, 2022

Dr KH Rao, Principal Scientist, retired (on superannuation) on Mar 31, 2022

Promotions

Shri N Prabhakar Rao, T-4 Sr.Technical Assistant (Plumber) has been promoted to the Grade of T-5 Technical Officer (Plumber) w.e.f. Jun 29, 2021

Shri M Srinivasa Rao, T-4 Sr.Technical Assistant (Pump Driver) has been promoted to the Grade of T-5 Technical Officer (Pump Driver) w.e.f. Jun 29, 2021

Shri N Ashok, T-4 Sr.Technical Assistant (Driver) has been promoted to the Grade of T-5 Technical Officer (Driver) w.e.f. Jun 29, 2021

Shri R Siva Prasad, T-3.Technical Assistant (Driver) has been promoted to the Grade of T-4 Sr.Technical Assistant (Driver) w.e.f. Oct 20, 2020

Financial upgradations under MACPS / Advance Increments (for Technical Employees) etc.

#	Name (Shri / Smt.)	Designation	1 st / 2 nd / 3 rd Financial Upgradation with GP / Level of Pay	Effective Date
1.	Mrs. Sesha Sai	Personal Assistant	3rd Financial Upgradation	Mar 15, 2022
2.	Mrs. Rajashri Bokde	UDC	3rd Financial Upgradation	Feb 07, 2022

Upcoming Events (Tentative)

Event	Date
Management Development Programme for Newly Recruited Senior Scientist & Heads of Krishi Vigyan Kendras (In-person Mode)	Apr 20–May 05, 2022
Executive Development Programme (EDP) on Leadership Development (In-person Mode)	Apr 25-30, 2022
Senior EDP for Newly Appointed Vice Chancellors of Agricultural Universities (In-person Mode)	May 17-19, 2022
Training Programme on Motivation, Positive Thinking and Communication Skills for Technical Officers (T-5 and above) of ICAR Institutes at IISWC-Dehradun (Off Campus- In-Person Mode)	May 18-24, 2022
Training Programme on Technical Service Rules (In-person Mode)	May 19-20, 2022
MDP on Design Thinking in Agricultural Research and Education (Online Mode)	May 23-28, 2022
MDP on Business Plan Development and Accelerating FPOs/FPCs (In-person Mode)	May 23-28, 2022
Training Program on Applications of Artificial Intelligence and Cloud Computing in Agriculture (On-line Mode)	Jun 13-18, 2022
MDP on Leadership Development (a Pre-RMP Programme) (In-person Mode)	Jun 14-25, 2022
Training Programme on Pension and other Retirement Benefits (In-person Mode)	Jun 23-24, 2022
112 Foundation Course for Agricultural Research Service (FOCARS) (In-person Mode)	Jul 04–Oct 01, 2022
Training Programme on Stress Management (In-person Mode)	Jul 12-15, 2022
Training Programme on Public Procurement of Goods and Services (In-person Mode)	Jul 28-29, 2022
Training on Development of Web & Mobile Applications using Low-code Platforms (In-person Mode)	Jul 12-16, 2022

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