



IIMR

Millet Newsletter



Hyderabad ■ Solapur ■ Warangal

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ICAR-Indian Institute of Millets Research, Rajendranagar, Hyderabad. 500 030.

Webinar on “Primary Processing – cleaning, grading, dehulling and separation of small millets: challenges and options”.

ICAR-Indian Institute of Millets Research organized webinar series on “Millets Production, Processing, Value addition and Utilization to address the various issues faced by millets stakeholders” at its Nutrihub, Technology Business Incubator. This Second in series National Webinar on “Primary Processing - Cleaning, Grading, Dehulling and Separation of Small Millets Challenges and Options” was organized on 14 August, 2020. A total of 79 participants attended this training from Government, Private Sector, R & D Scientists, Entrepreneurs and Students. Dr. B Dayakar Rao, CEO, Nutrihub and PS, ICAR-IIMR welcomed all the participants and Speakers for this webinar. Dr. Vilas Tonapi, Director, ICAR-IIMR addressed the participants on Millets scenario in the country – IIMR perspective and understanding the Primary processing of millets and its recent developments. Dr. K Alagusundaram, DDG (Engg), ICAR, New Delhi was the chief guest to this webinar and in his address told mil-

lets are important nutritional food products for all age groups. He also advised participants to apply for various schemes available with Ministry of Food Processing Industries (mofpi.nic.in) for setting up primary processing units. He has appreciated Centre of Excellence and the processing facilities available at Nutrihub, IIMR. The faculty were specialists such as Drs. NG Malleshi, M. Karthikeyan, and S. Balasubramaniyam addressing various topics generated lot of interests and also presented by private sector personal such as Mr. Udhay Gopal, MD, M/s. Perfura Technologies Pvt. Ltd., leading manufacturer of the Millet Machinery. Participants made a very active participation and raised several issues which were ably dealt by the panel chaired by Dr. B Dayakar Rao, CEO, Nutrihub. Webinar ended with thanks to the chair. This webinar convener was Dr. B Dayakar Rao and coordinated by Dr. V Ravi Kumar, PRO, ICAR-IIMR.

Millet recipes contest

Millet recipes contest was organised by Nutrihub, ICAR- Indian institute of Millets Research as a part of 74th Independence Day celebrations during 10-14 August, 2020. Participants from families of IIMR staff, Staff from AICRP Centres including contractual staff have send their videos of millet recipes. Eight recipes were short-listed from the submitted millet recipe videos by the Judges team comprising of Drs. B. Dayakar Rao, C. Sangappa, Anuradha and Hemasankari. The winners are as follows: Dr. R Venkateswarlu & Family (Multi Millet Ponganalu) – I prize; Mrs. Vijaya Lakshmi (Jowar Muffins) – II Prize; Mrs. A Annapurna (Millet Bullets) and Mr. Akash Reddy (Jowar Idli rolls) –III prize. Besides these Consolations prizes were won by: Mrs. V Aruna (Little Millet Ponganalu and /Foxtail millet chicken biryani); Dr. Isha Praveen –Scientist-Nandyal (Jowar vegetable roti) and Ms. Priya (Foxtail Dosa and Halva). E-Certificates were awarded to the winners of this competition. Dr. Vilas A Tonapi, Director, IIMR congratulated all the winners. This program was coordinated by Dr. B Dayakar Rao, CEO, Nutrihub and Dr. V Ravi Kumar, STA, IIMR.



Dr. R Venkateswarlu



Vijaya Lakshmi



A Annapurna



Akash Reddy



V Aruna

Inauguration of college building at RLB Central Agri University, Jhansi

Prime Minister Narendra Modi inaugurated college and administration buildings of the Rani Lakshmi Bai (RLB) Central Agricultural University in Uttar Pradesh’s Jhansi on 29 August, 2020 through video conferencing. Uttar Pradesh Chief Minister Yogi Adityanath, Agriculture Minister Narendra Singh Tomar, Minister of State (MoS) for Agriculture and

Farmers' Welfare Kailash Choudhary, Dr. Trilochan Mohapatra, Director General, ICAR, New Delhi also attended the virtual event. The RLB Central Agriculture University is located in Jhansi and is a prominent institute in the Bundelkhand region. Dr. Vilas Tonapi, Director and all scientific, Administrative and technical staff of Indian institute of Millets research, Hyderabad witnessed the inauguration programme.

Inauguration of "Krishi Megh" by ICAR.

Director and Staff of Indian institute of Millets research, Hyderabad participated in the inauguration of Krishi Megh - NARES-Cloud Infrastructure and Services on 11 August 2020. Honourable Union Minister of Agriculture and Farmers Welfare, Shri Narendra Singh Tomar inaugurated this "Krishi Megh" along with "Accreditation Portal" and "Alumni Network Portal" through online. The function was organized by PIU, NAHEP and ICAR-IASRI, New Delhi under the leadership of honourable DDG (Edn), Dr. R.C. Agrawal. Both the Ministers of State (MoS) for Agriculture and Farmers Welfare, Shri Parshottam Rupala ji and Shri Kailash Choudhary ji were the Guests of Honour. The "Krishi Megh" i.e. "NARES-Cloud Infrastructure and Services" having two components, 1. ICAR Data Centre (DC) with GPU Server having AI capabilities at ICAR-IASRI, 2. ICAR Disaster Recovery Centre (DRC) at ICAR-NAARM has been established and implemented by ICAR-IASRI under NAHEP Project in collaboration with ICAR-NAARM, Hyderabad. "Accreditation Portal" and "Alumni Network Portal" have also been developed by ICAR-IASRI under NAHEP Project.



Independence day Celebrated

ICAR-IIMR-Hyderabad celebrated 74th Independence Day with lot of enthusiasm as usual. Dr Vilas A Tonapi, Director, IIMR unfurled the national flag on the occasion and addressed the staff through video conferencing. Many staff members participated in this online meeting. During his speech he congratulated the whole team of IIMR and AICRP coordinating centre staff for their contribution in receiving the Sri Devlal award for best AICRP award for AICRP on Sorghum and also congratulated the staff for receiving the ICAR 's Best Annual Report - 2019 Award by IIMR. He emphasized on the additional responsibilities and need to work more cohesively to get many laurels to the IIMR in future. Mr. Vilas D Aghav, and Mr. J Bhagawantam, were the coordinators of the event.

Ms. Ritu Dalal – the new SAO

Ms. Ritu Dalal, has joined as Senior Administrative Officer at ICAR-Indian institute of Millets Research, Hyderabad on 31 August, 2020. Earlier she served at ICAR- Central Institute of Agricultural Engineering (CIAE), Bhopal in the capacity of Administrative Officer



and on promotion she joined IIMR as Senior Administrative Officer. *IIMR family congratulates her for the promotion and welcomes her to the millets family.*

Superannuation

Dr. Jayarame Gowda, Principal Scientist, (Pl. Breeding), GKVK, Bangalore superannuated from the service on 31 August, 2020. Dr. Vilas A Tonapi, Director, IIMR and Project Coordinator, AICRP-Small Millets, appreciated his services to the project. The staff of IIMR and AICRP-SM centres recollected his services and wished him a healthy and happy retired life.

Sri. Ch Suresh Kumar, Assistant, superannuated from Council's service on 31 August, 2020. Dr. He rendered hid services to this organization for nearly 30 years in



various capacities. In this regard, an online farewell function was organized by the institute's recreation club. Dr. Vila A Tonapi, Director, IIMR presented him a memento. IIMR staff recollected their services and wished them a happy, healthy and active retired life. Dr. IK Das, Secretary, Recreation club coordinated this event.

TS staff regularized as SSS

Sh. Malik Dharma Nanware who is working as casual labour with temporary status at Centre on Rabi sorghum, Solapur, has been regularized to the Skilled Supporting Staff category on 29 August, 2020. *IIMR Staff Congratulates him for his elevation.*

Millets Processing complex at Off-season Nursery

Drs. Sangappa and DM Bahadure visited the off-season nursery, Warangal on 25 August 2020 to plan the layout for the establishment of millets primary processing complex at the RARS campus under Tribal Sub Plan of ICAR-IIMR. This unit will help the tribal millets cultivars to process their produce at a nominal cost. Dr. Jagan Mohan Reddy, Associate Director of Research, RARS Warangal also participated in the deliberations. The consumption and utilization of millets will increase due to the availability of the processing facilities for millets at farm-gate. Dr. Rajendra Kumar, Principal Scientist and In-charge, off-season nursery, Warangal, Dr. Vilas A. Tonapi, Director have taken this key initiative to benefit the millets growers in general and tribal population in

particular.

Lecture Delivered

ICAR-DMAPR in association with Medi-Hub TBI has organized Entrepreneurship Orientation Program on Medicinal and Aromatic Plants (EOPMAP) from 17 August to 2 September, 2020 through online. As a part of lecture series, **Dr. Sangappa**, scientist, (Agri. Extension) delivered a lecture on “Supply chain requirement and Farmers Producer Organizations” in the “Entrepreneurship Orientation Program in Medicinal and Aromatic Plants” for the prospective Start-ups in the field of Medicinal and Aromatic plants on 24 August, 2020. More than 45 participants attended the lecture from across India.

Webinar on Secondary Agriculture

Dr. Vilas A Tonapi, Director, IIMR moderated the webinar entitled “Secondary Agriculture and Opportunities for Agri professionals” organized by Karnataka Agri-Professionals Association (KAPA) and Gubba cold Storage on 29 August 2020. Dr. Ashok Dalwai, CEO, NRAA, in his key note address stated that If we plan to create wealth



for the nation, income for farmers and nutrition for everyone will be possible and for this we need comprehensive integrated reforms. Many such reforms have happened of late through government of India’s policy initiatives guidelines for establishing Farmer Producer Organizations. It was highlighted that value-chain development, value addition and farm gate processing will help the farmer in realizing the higher income as he gets linked to market. In this meeting Dr. Narayan Bhat presented the vote of thanks and Mrs. Gubba Deepthi facilitated the deliberations.

Recognition

Presentation of **Dr M Elangovan**, ICAR-IIMR-Hyderabad was appreciated during the Internal Review meeting of CRP on Agrobiodiversity (2017-2020) on 28 August 2020 at ICAR-NBPGR-New Delhi. Dr Kuldeep Singh, Director, ICAR-NBPGR-NDLS appreciated the CRP-AB on Small millets progress during 2017-2020 at ICAR-IIMR-Hyderabad. Specifically, the efforts on characterization, evaluation, documentation, utilization, monitoring and training on Digital Field Book. He has also requested Dr M Elangovan

to organize online training on Documentation Tools for PGR Management viz., MS-Excel, MS-Access and Spatial Mapping. He has requested all the other CRP-AB centres to follow CRP-AB-Millets Presentation as Model for the Final review meeting at the Council.

Timely completion of AICRP trials

Amid COVID-19 pandemic situation, Indian Institute of Millets Research Sorghum successfully received seed material, segregated, constituted the trials and dispatched to centres to conduct AICRP trials in sorghum and Small millets during Rabi season. As Rabi sorghum is grown under residual moisture conditions, the trials are categorized broadly based on soil depths such as Shallow soil and deep soil trials. A total of 26 entries were part of initial and advanced trials in deep soil, while 16 and 26 entries respectively constituted advanced and initial shallow soil trials. A specialty trial specially to identify cultivars for specific end uses was constituted with 12 entries. The genotypes for specialty trial included red sorghum, yellow sorghum, high iron/zinc lines, genotypes for parching, popping etc. As sorghum hybrid seed production is taken during Rabi season, a parental line trial was constituted which included the parental lines of the contributed hybrids. Dr. KN Ganapathy, Scientist at IIMR coordinated this effort successfully.

Impact of Digital Field Book Training

Dr. Rajesh Vangala, Scientist ICAR-Indian Institute of Soybean Research (IISR), Indore has informed that he is recording data digitally in field conditions since 2 years for germplasm trials and insect resistant breeding trials through Field book app at ICAR-Indian Institute of Soybean Research, Indore which is a paperless/contactless and played crucial role this year amid pandemic covid-19” situation. He expressed his gratitude to Dr. M Elangovan, Principal scientist, ICAR-IIMR, Hyderabad for the training provided to them. ICAR-IIMR Hyderabad is extremely pleased and excited about these comments and congratulates Dr. Elangovan for this recognition.

Memorandum of Understanding

M/s Virtue Kitchens, Achanta, West Godavari District: Memorandum of Understanding between ICAR-IIMR and M/s Virtue Kitchens, Achanta, West Godavari District, Andhra Pradesh was signed on 31 August, 2020, for technical knowhow of extruded snacks, sorghum based energy bars, Multi-millet bread, Multi millet cookies and sorghum bran peda. Dr. Vilas A. Tonapi, Director – IIMR on behalf of IIMR and Vinay B Nekkanti, Director on behalf of M/s Virtue Kitchens, Achanta, signed and exchanged the agreement. The agreement signing was facilitated by NUTRIHUB unit represented by Drs. B Dayakar Rao, Principal Scientist and Dr. Sangappa, Scientist, IIMR.

Online Meetings (M) / Workshops (W)/ Trainings (T) Conferences (C) attended

S.No	Name of Employee	Programme details	Category	Dates
1	Sangappa	Online MOOCs Programme on Gender in Agricultural Development organized by MANAGE, Hyderabad, India.	Training	27 July, to 5 August, 2020
2	P Sanjana Reddy	Online abridge refresher course on Application of population genetics concepts in plant breeding". Organised by CAAST programme of University of Agricultural sciences, Bangalore.	Training	27 July - 21 Aug., 2020
3	K SrinivasaBabu	Webinar "Organic Farming– Scope & Business Opportunities in India" organized by the School of Agricultural Sciences & Technology ((SAST), Narsee Monjee Institute of Management Studies (NMIMS) deemed to be University.	Webinar	01 Aug., 2020.
4	P Rajendra Kumar	Webinar on "Need for IP Protection: Dilemma Between Publishing and Patenting" organized by IKP Platform for Regional IP Management Eco-system.	Webinar	05 Aug., 2020
5	S Srividhya	Training on Analysis of experimental data using 'R' organized by ICAR-NAARM, Hyderabad	Training	05-11 Aug., 2020
6	Sooganna	Webinar on Innovative Approaches in Seed Quality Maintenance for Successful Entrepreneurship organized by UAS-Dharwad	Webinar	07 Aug., 2020
7	K Hariprasanna	Virtual Consultation - Science for Resilient Food, Nutrition and Livelihoods: Contemporary Challenges, MSSRF, Chennai.	Consultation	07-10 Aug., 2020
8	SS Rao, K Hariprasanna, P Rajendra Kumar, P Sanjana Reddy, Jinu Jacob and G Rajesha	Webinar on "Under-utilized Crops for Augmenting Farmers Income in Abiotic Stress Regions" organized by ICAR – National Institute for Abiotic Stress Management (ICAR-NIASM) & Society for Abiotic Stress Research in Agricultural Sciences (SARAS), Baramati, Pune, Maharashtra.	Webinar	10 Aug., 2020
9	P Rajendra Kumar	National webinar on "Present status of Protection of Plant Varieties and Framers Right Act 2002 & Commercialization of varieties registered under PPVFRA 2001" organized by Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri under ICAR – National Agricultural Higher Education Project (NAHEP).	Webinar	11 Aug., 2020
10	Venkateswarlu Ronda	Webinar on "The Journey from metabolomics to mechanisms with mass spectrometry" organized by Select science - Dr Nicola Zamboni, Institute for Molecular Systems Biology, ETH, Zurich.	Webinar	12 Aug., 2020

Online Meetings (M) / Workshops (W)/ Trainings (T) Conferences (C) attended

S.No.	Name of Employee	Programme details	Category	Dates
11	G Rajesha	Webinar on Bioinformatics Analysis on Soil Microbial Community Sequence Data" organized by ICAR-IARI, New Delhi.	Webinar	12-13, Aug., 2020
12	AV Umakanth	First Meeting of CII Task Force on Bioenergy.	Meeting	17 Aug., 2020
13	M Elangovan	NBA MSSRF Webinar - "Mainstreaming Biodiversity into Agriculture Sector: Linkages among agrobiodiversity, nutrition, sustainable livelihoods and business opportunities".	Webinar	18 Aug., 2020.
14	K Hariprasanna and N Kannababu	Webinar Knowledge session on "Significance of Seed Vigour in Seed Inventory Management", GUBBA Seed Cold Storage, Hyderabad.	Webinar	20 Aug 2020
15	M Elangovan	Web seminar: Digitisation in Agriculture- A Next Revolution organized by Agrovision Foundation and AgroSpectrum.	Webinar	24Aug., 2020.
16	N Kannababu	International Webinar on "Legal framework for protection of Plant varieties in India: Challenges and Opportunities - organized by "European Business and Technology Centre (EBTC) and IPFC-ICRISAT.	Webinar	26 Aug., 2020
17	M Elangovan	National Webinar on "Implementation of Access to Plant Genetic Resources and Benefit Sharing" organized by Indian Society for Plant Genetic Resources.	Webinar	27 Aug., 2020
18	N Kannababu & S Srividhya	National Webinar on "Abiotic Stress in Agriculture: Geospatial Characterization and Management Options" organized by ICAR-NIASM.	Webinar	27 Aug., 2020
19	SS Rao	Webinar "Coastal Agriculture" - An Interactive Webinar- with emphasis on rice improvement for salinity- Phenomics and genomics. Faculty of Agric, Department of Genetics and Plant Breeding, Annamalai University, Annamalinagar, Tamil Nadu	Webinar	28 Aug., 2020
20	M Elangovan, N Kannababu, K Hariprasanna, P Rajendra Kumar, and Sanjana Reddy	"Webinar on " Secondary agriculture and opportunities for agri professionals"" Organized by Gubba Seed Cold Storage	Webinar	29 Aug., 2020
21	G Rajesha	National Webinar on New Perspectives on Tree Based Entrepreneurial Development in Forestry " organized by UAS, Dharwad, Karnataka.	Webinar	29 Aug., 2020

Cultivating Diversity, Justice, Resilience, Health for Zero Hunger



Ensuring legitimate place for Millets in global food basket

Thought for the month

“The ingredients of health and long life are great temperance, open-air, easy labor, and little care.”

– Philip Sydney

CELEBRATING INTERNATIONAL YEAR OF MILLETS-2023



Cultivating Diversity, Justice, Resilience, Health and Zero Hunger



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