



IIMR

Millet Newsletter

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Hyderabad ■ Solapur ■ Warangal



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

ICAR-IIMR at Millets & Organics International Trade Fair 2023

ICAR- Indian Institute of Millets Research –Nutrihub - took part in the fourth edition of the Millets and Organics – International Trade Fair- 2023 held from 20-22 January 2023 at Bengaluru. The three-day fair took place at Tripuravasini Palace Ground and was organized by the Department of Agriculture in collaboration with Karnataka State Agricultural Produce Processing and Export Corporation Limited (KAPPEC) and International Competence Centre for Organic Agriculture (ICCOA). Sh. BC Patil, Minister of Agriculture, Government of Karnataka unveiled the website for the fourth edition of the international trade fair. The fair was featured an exhibition with over 300 stalls of more than 110 companies and an international pavilion with organizations from various countries. Chiefly, the conference was a unique meeting place of millet stakeholders from diverse sectors constituting farmers, traders, exporters, researchers, NGOs, Central and State Governments.

On the day-one during the international conference on - “Millets & Organics: Opportunities Amidst Challenges”, Dr. B Dayakar Rao, CEO, Nutrihub - ICAR-IIMR, Hyderabad given key note address on “Overview of Millets Scenario in India and World including Nutritional and Health Aspects”. Dr. CV Ratnavathi, Director, ICAR-IIMR spoke about “Special address on Landscape of Millets’ R&D”. All the, policy makers, government and non-government dignitaries, leading domestic and international speakers from India and abroad were participated in discussions.

ICAR-IIMR- bags “Best Institute Award for R&D in Millets”

ICAR- Indian Institute of Millets Research received the “Best Institute Award for Research & Development in Millets” and IIMR’s Nutrihub received the “Best Incubation Centre for Research and Development in Millets” Constituted by the Government of Karnataka at “Millets & Organics - International Trade Fair 2023” which was held during 20-22 January 2023 in Bangalore, Karnataka. These award were received by Dr. CV Ratnavathi, Director, ICAR- IIMR from Shri. Narendra Singh Tomar Ji, Honorable Union Minister of Agriculture & Farmers Welfare along with Dr. Dayakar Rao, CEO, IIMR-Nutrihub, Dr. J Stanley, Senior Scientist, ICAR-IIMR and Dr. V Ravi Kumar, TO, ICAR-IIMR.



Best Scientist for Excellence in R&D award to Dr. Dayakar



Dr. B Dayakar Rao, CEO-Nutrihub of ICAR-IIMR, was honored with “Best Scientist for Excellence in R&D on Millets” at “Millets & Organics - International Trade Fair 2023” which was held in Bangalore, Karnataka during 20-22 January 2023. Dr. Dayakar received this Award from Shri. Narendra Singh Tomar Ji, Union Minister of Agriculture & Farmers Welfare.

IIMR family congratulates Dr. Dayakar for this award and wish many more laurels in future.

Workshop on PMEGP and Business Opportunities in Millets

ICAR-Indian Institute of Millets Research in collaboration with KVIC, Telangana organized One Day Workshop on “The Prime Minister Employment Generation Programme (PMEGP) and Business Opportunities in Millets” on 4 January, 2023 to create awareness among the aspiring entrepreneurs regarding the schemes of PMEGP and avenues of millets business opportunities. About 100 budding entrepreneurs and FPOs participated from various parts of Telangana, Andhra Pradesh and Karna-



taka. This may pave a way for ensuring millets consumption among larger portion of the population and support International Year of Millets (IYOM) 2023. During the occasion, Dr. C V Ratnavathi, Director of IIMR officially launched Millets Incubation Centre for Handholding FPOs into viable and sustainable business units. This programme was organized by the FPO unit of IIMR and coordinated by Sh. K Srinivasa Babu and Dr. Sangappa.

Launch of International Year of Millets-2023 at IIMR

ICAR-Indian Institute of Millets Research (IIMR), Hyderabad organized a millets staff gathering through the Staff Recreation Club to welcome the International Year of Millets (IYoM2023) on 2 January 2023. It was an unique opportunity for ICAR-IIMR to welcome the IYoM. On the day, millets staffs welcomed the IYoM-2023 in nine different major languages of



India. To mark the occasion, staff of all the category cut a cake specially designed with IYoM 2023 logo.

On this occasion, Dr. CV Ratnavathi, Acting Director IIMR congratulated all the staff on the auspicious beginning of IYoM-2023. She recollected the journey of ICAR-IIMR from small sorghum research station to national premier institute and remembered the services of the yester years employees and Directors and the efforts and continuous support of present staff of IIMR. She also called upon everyone to scale up the team spirit to deliver our best for millet research, development and value chain establishment in the light of IYoM. About 300 members including Scientists, Technical, Administration, Supporting, Contractual, Research Fellows, Research Scholars, Students participated in the celebrations enthusiastically. At the end of the event, refreshments were served made of millet based products. The event was organized by the Staff Recreation Club of ICAR-IIMR-Hyderabad.

Breeder Seed Production Monitoring

ICAR - Indian Institute of Millets Research (IIMR) has taken up breeder seed production of sorghum varieties: CSV 15, CSV 32F and CSV 41 and little millet variety CLMV 1 during Rabi 2022-23. The seed production fields were monitored on 9 January, 2023 by the officials consisting of Dr. AV Umakanth Sorghum breeder from IIMR; Mr. Gurubasavaraj DM, Deputy Director Seed Certification, Karnataka State Seed & Organic Certification Agency, Raichur; Mr. Pruthvi T, Manager, Karnataka State Seeds Corporation Raichur, Mr. Krishna Chauhan, Farm Director, Mr. Arun, Manager (Seed production and Marketing) from National Seeds Corporation, Jawalagera and Dr. B Venkatesh Bhat, Pr. Scientist & Nodal Officer (Seed), IIMR. The crop was in seed setting stage. The genetic purity was confirmed as per the morphological characters of the varieties. This event was coordinated by Dr. Sooganna, Scientist & Co-



Nodal Officer (Seed) and Raghunath Kulkarni, Technical Officer, ICAR-IIMR, Hyderabad.

Field day on millets organized under Farmers FIRST Project

A Field Day on Millets was organized during rabi season in project village; Chalki and Mungi in Sangareddy district of Telangana State under Farmer First Project on 20th January, 2023. The main objective of the programme is to monitor red-gram and rabi sorghum field trials and kitchen garden under horticulture module. Around 20 trial farmers were visited by the participants in the above villages along with project team from IIMR- Hyderabad - Ms. Spanditha, SRF, Ms. Meghana, FA, Mr. Bhagath, FA, Mr. Vinod, Skilled helper, from ICAR-IIMR, FPO officials; Mr. Rajesh and Mr. Sangmesh. Farmers expressed their satisfaction towards early growth and good panicle



length of improved variety compared to their local variety. The team members visited farmers' fields, kitchen garden to observe the performance of millets as inter-cultivation crop with vegetables and red-gram. The team also visited one processing unit and clarified the doubts raised by the farmers. This programme was organized under guidance of the FFP - PI, Dr. Rajendra R Chapke, PS, ICAR-IIMR, Hyderabad.

Progress on Monitoring of India's Largest Sorghum Germplasm Characterization

ICAR-Indian Institute of Millets Research (IIMR) is the Cooperating Centre under the CRP-AB coordinating the India's Largest Germplasm Characterization Programme at Agricultural Research Station, Washim. ICAR-IIMR-Hyderabad continued in Coordination, Technical Guidance and Training to the Human Resources of the programme. The programme was successfully and jointly executed by ICAR-NBPGR-New Delhi, ICAR-IIMR-Hyderabad, Dr PDKV-Akola, ICAR-NBPGR-RS-Akola and ARS-Washim. A total of 24,950 accessions of sorghum germplasm of indigenous and exotic collections from more than 90 countries along with 5 checks repeated 267 times was sown

during 3-8 November 2022. These accessions were collected, augmented and conserved at NGB, ICAR-NBPGR-New Delhi. ICAR-IIMR-Hyderabad jointly with ICAR-NBPGR-New Delhi and AICRP on Sorghum monitored the sorghum characterization programme at ARS-Washim. IIMR trained the Young Professionals and Field Assistants on collection of leaf midrib colour, leaf colour and leaf orientation and Trained all the working staffs under the CRP-AB on Digitalization of Data Collection Using Field Book Mobile App and completed data collection.

Training cum Exposure Visit

ICAR - Indian Institute of Millets Research conducted a “Two - days Hands-on Training cum Exposure Visit to a Local Successful Entrepreneur” on 5-6 January, 2023. A group of 8 participants attended the program including six farmers and two Scientists from KVK Rai Bareli. The two-day program explained the recent development in millets production, business opportunities in millets, major disease, pests and their management technologies which would help the farmers to cultivate millets and stand as source of income for various livelihoods. The trainees also visited the Millets demonstration plots and Millets processing and value added technology facilities at IIMR. This programme was organized by the FPO unit of IIMR and coordinated by Sh. K Srinivasa Babu and Dr. Sangappa.

One-day hands on training for UP farmers

An exposure cum training program on Millet processing and value addition technologies was organized by Nutrihub, ICAR-IIMR for the farmers of Chitrakoot district, Uttar Pradesh under “National Food Security Mission (NFSM)”, sponsored by Department of Agriculture, Govt. of Uttar Pradesh on 30 January 2023. About 55 farmers participated in this programme. As part of the visit, farmers got exposure to various millet processing and value addition technologies at Nutrihub, ICAR-IIMR, Hyderabad. Farmers were trained on how to prepare various millet value added food products like millet cookies, biscuits, muffins etc. This visit and training programme was coordinated by Dr. V Ravi Kumar, Technical Officer.

IIMR participates in the 37th Foundation day of IGKV

The ICAR-Indian Institute of Millets Research participated in the 37th Foundation day ceremony of Indira Gandhi Krishi Vishwavidyalaya (IGKV), Raipur, Chhattisgarh held on 20 January 2023. The ceremony was presided over by Sh. Ravindra-Choubey, Hon'ble Agril Minister, Govt. of Chhattisgarh. Shri



Pradeep Sharma, Advisor to Chief Minister; Dr. Kamalpreet Singh, APC; Dr. Manindar Kaur, Chairman & MD, NSC and Shri Anand Mishra, Board Member were the other guests during the occasion. Dr. Girish Chandel, Vice Chancellor, IGKV high-

lighted the achievements of the University with special reference to small millets. Dr. Kamalpreet Singh informed the house that seed production of 9 millets varieties released by IGKV is being taken up, and yield improvement is targeted to increase the production. A MoU between IIMR and IGKV for collaborative research on Millets Improvement, Processing, Value Addition and Promotion was signed on the occasion of Foundation day. Drs. Hariprasanna K and Venkateswarlu Ronda represented IIMR and exchanged the MoU on behalf of Director-IIMR with Vice Chancellor, IGKV.

Workshop on Small millets for food and nutritional security

A workshop on Small millets for food and nutritional security was organized by IGKV, Raipur on 20 January 2023 as part of celebration of International Year of Millets – 2023. Drs. Girish Chandel, Hon'ble Vice Chancellor, IGKV; Dr. Arvind Kumar, DDG(R), ICRISAT; Prof. Tanveer Alam, IIP, Mumbai; Dr. Nisha Bharti, Professor, SIIB, Pune; Dr. Hariprasanna K., Principal Scientist, IIMR and Dr. Venkateswarlu Ronda, Sr. Scientist,



IIMR acted as panel members. Dr. Girish Chandel presented the status of small millets in Chhattisgarh. Dr. Hariprasanna delivered a lecture on production and productivity of various small millets in India and their crop improvement. Dr. Venkateswarlu gave account of nutraceutical properties and value addition of small millets. Lectures by all the panelists highlighted the role of IIMR, Hyderabad in product development and millets promotion through collaborative efforts throughout the country. More than 200 delegates including farmers participated in the workshop and in the deliberations.

Millets stall at ITF on Organics and Millets

ICAR – Indian Institute of Millets Research's Nutrihub participated in 4th International Trade Fair on Organics and Millets – held at Bengaluru during 20-21 January, 2023 and showcased millet health foods products and technologies. More than 15000 people including farmers, delegates, visitors, dignitaries from Karnataka and other states, Students, and entrepreneurs visited our stall and appreciated the efforts made by the institute in creation of the demand and promotion of millets. In this three - day event, total 34 Startup Companies participated in ITF 2023 Bangalore and about 100 genuine enquiries were received from young entrepreneurs concerning processing and production of millet health foods. Dr. P Amarnath Reddy, Project Manager, MoFPI - PMFME, Nutrihub- TBISC, Ms. Vijaya Lakshmi, CoE, IIMR and other staff of Nutrihub of IIMR showcased the value added millet products and briefed the IIMR activities under the Research and Development in Value addition.

Swachh Bharat Programme

ICAR – Indian Institute of Millets Research organized a Swachh Bharat programme during the Swachhta Pakhwada at the IIMR's FFP project village; Chalki in Nyalkal mandal of Sangareddy district of Telangana on 20 January 2023. Total 200 participants including Mrs. Meena, Head Mistress, Government High School, Mr. Ravi, gram panchayat secretary; Mr. Maruthi, MEO; Mrs. Mamata, AEO; panchayat members, teachers and students of the high school along with FFP team from IIMR-Hyderabad participated in this event. In this programme, Ms. Spanditha, SRF, FFP briefed about the importance of maintain-



ing sanitation and explained them how it plays role in maintaining good health by keeping surroundings clean. She advised them some precautions to be taken for maintaining clean and healthy environment. The Head Mistress and others from village side also spoke about the importance of cleanliness and sanitation. There after all the participants cleaned the school premises and its surroundings. This programme was organized under guidance of the project PI, Dr. Chapke, PS, ICAR-IIMR, Hyderabad.

Training Program for SHG Women

50 Women members of Self-Help Groups (SHGs) from Mahabubnagar attended the workshop on "Training Program for SHG Women on Millets Value Addition", held at NUTRIHUB, ICAR - Indian Institute of Millets Research, Rajendranagar, Hyderabad, on 12 January 2023. Dr. Ravi Kumar, ICAR-IIMR, spoke of the impact created by IIMR - Nutri Hub and how technology adoption is being facilitated by innovation hubs during the training program. Participants gained exposure to primary and secondary processing units as well as knowledge about technologies that are ready for commercialization. As a part of the program "Cooking with millets," participants learnt about the various millet recipes under the "Entrepreneurship Opportunities in Millets" to spur innovations.

Training for CRP-AB project staff

National Training Program on "Digitalization of Field Data – Paperless Data Collection" was conducted at Agricultural Research Station (Dr PDKV, Akola), Washim on 5 January 2023 by Dr. M Elangovan, Principal Scientist, IIMR-Hyderabad. There were 15 staff members working for CRP-AB project participated in this hands-on training.

Visitors

International Trainees

A field visit was organized to the trainees of International

Training Programme on "Natural Resource Management and Climate Change Adaptation" organized by National Institute of rural development and Panchayati Raj (NIRDPR), Hyderabad on 24 January, 2023. A total of 14 participants from various countries visited the institute. Dr. B Gangaiah, Principal Scientist, explained all the field activities pertaining to water management and discussed issues of dry lands including FPOs formation. Research experiments at IIMR field, demo trial with all millet crops and lysimetric facilities were shown and explained to the trainees. Dr. Swarna Ronanki, Scientist outlined the significance of water harvesting structures in drylands and advantages of sprinkler and drip irrigation systems. The entire visit was coordinated by Drs. Gangaiah and Swarna.

Lectures

Dr. Swarna Ronanki was invited as a Resource Person by Kala-salingam Academy of Research and Education, Krishnankoil, Srivilliputhur, Tamil Nadu to give a special talk on "Overview of millets" to college students on 04 January, 2023 as a part of International year of millets celebrations. The talk included a thorough overview of millets their nutritional and health benefits and production & processing technologies. Dr. Swarna also delivered a lecture on "Millets production, processing and



Marketing" at Krishi Vigyan Kendra, Jalna on 05 January, 2023 in monthly farmer's seminar of krishivigyan mandal, where she explained about the improved cultivation practices of millets, processing and marketing of value added products.

Dr. M Elangovan delivered a lecture on "Millets Diet for Nutrition and Healthy Life" on 6th National Siddha Day under the theme on "Siddha Diet and Nutrition for Healthy Life" organized by Central Council for Research in Siddha and National Institute of Siddha under the Ministry of AYUSH at SPS Mahal, Tiruchirapalli on 9 January 2023.

Dr. Rajendra R. Chapke delivered lecture on "Production of major and minor millets for nutrition and income of farm families" for ICAR and SAU scientists as resource person in ICAR-sponsored Short Course on "Women Friendly Nutri-smart Interventions for Alleviating Malnutrition in Rural Areas" organized by ICAR-CIWA, Bhubaneswar on 11 January, 2023.

Dr. Rajendra R. Chapke delivered lecture on "Promoting Millets: Prominent Technologies and Strategies" in "National Workshop on Millets and Natural Farming" organized by ICAR-ATARI, Pune on the occasion of administration building inauguration programme on 19 January, 2023 in presence of Shri Kailash ji Chaudhary, Hon'ble State Agriculture Minister, GOI, Delhi, Dr. VP Chahal, ADG (Extn.), ICAR, New Delhi, Dr. Patil,

VC, MPKV, Rahuri; Sh. Borade, NGO, Jalana, Dr. Lakhan Singh, Director, ICAR-ATARI, Pune, Drs. Rajesh & Tushar Athare, Scientist, ICAR-ATARI, Pune, Higher officials from SAUs, SAD and 82 Heads, KVKs of Maharashtra, Gujarat & Goa.

Dr. Rajendra R. Chapke chaired a session on millets in National Seminar on Millets organized by National Mission for Clean Ganga (NMCG), Ministry of Jal Shakti, Delhi on 24 January, 2023 at India International Centre (IIC), Delhi. Total 50 participants from academic and farmers of Ganga basin from four states participated.

Dr. Venkatesh Bhat delivered lecture in one-day work shop on “Cultivation of Millets” on the eve of International Year of Millets-2023 held at ICAR research complex, Imphal, Manipur on 25 January, 2023.

FGO News

Three days training to Gujrat FPO stakeholders

A three days training program was organized jointly by FPO unit of IIMR and NABARD, Ahmedabad, Gujrat during 23 to 25 of January, 2023 for the POPIs, CEOs and BoDs of FPOs located at various districts in Gujarat State on the millets production, processing and value addition. Practical sessions, exposure visits also arranged to the primary processing unit and interac-



tions with successful millets entrepreneurs. The participants evinced interest to establish primary processing units at their respective FPOs to enhance the income of the millets farmers in their region.

District Level Millets Mela

Dr. Sangappa of IIMR participated as a guest and delivered lecture on Millets Processing and Value chain and millets technologies development at IIMR on 8 January, 2023, during the District Level Millets Mela, Organic Workshop and Exhibition. It was organized under National Food Security Mission jointly by District Administration, UAS, Dharwad and UHS, Bagalkot and Line Departments. In this event, Mudhol FPC supported by IIMR exhibited their products.

Aland FPO

Aland FPO promoted by ICAR-IIMR exhibited and marketed millets value added products in Krishi Mela at UAS, Raichur during 10-12 January, 2023. FPO exhibited its unique products and marketed its products.

Kayaka FPO

Kayaka FPO promoted by IIMR exhibited its products during Koppal Gavisiddheshwara Jatra conducted during 8-10 January, 2023.

Workshop for Millets Farmers Producer Organization

The Department of Agriculture, Koppal District organized one-day workshop for millets farmers on 17 January, 2023. Dr. Manjuprakash of IIMR participated as a resource person and

delivered lecture on “Millets Production, Processing, Value addition and Marketing”. Renowned Food Scientist, Dr. Khader Vali spoke on importance of millets in maintaining good health. About 300 farmers, students, farm women participated in this event.

Kayaka FPOs participate at ITF at Bangalore

Kayaka Krishi Mitra FPO, Dharwad Taluka FPC and Nidagundi FPC promoted by ICAR-IIMR Hyderabad participated in Millets & Organics International Trade Fair 2023 organized by the Department of Agriculture and KAPPEC, Government of Karnataka during 20-22 January, 2023 at Bengaluru.

Dr. Sangappa delivered a talk in IFT 2023

Dr. Sangappa, Scientist of IIMR delivered a talk on “Present Scenario of Millets Processing and Value Addition” on 20 January 2023 during Millets & Organics International Trade Fair 2023 organized by the Department of Agriculture and KAPPEC, Government of Karnataka at Bengaluru.

Krishi Mela and Agricultural Discussion Forum

Dr. Sangappa, Scientist - IIMR participated in Agricultural Discussion Forum in Jatra Mahotsava on 23 January, 2023 and created awareness to farmers and public on importance of millets and their health benefits.

Interaction meeting at NABARD

Dr. Rafi of IIMR attended NABARD promoted FPOs – Agricul-



ture Input Dealers-CBBO-Interaction at NABARD, regional Office, Telangana, Hyderabad on 25th January, 2023. During the interaction, problems faced by FPOs in availing inputs at FPO level were put before the Agri-Input stakeholders. Mrs. Sushela Chintala, CGM, NABARD, Telangana chaired the session.

Raichur Krishi Mela

Dr. Sangappa, Scientist of IIMR took part in Krishi Mela on 10 January, 2023 organized by University of Agricultural Sciences,



Raichur. On a special platform named “From the farmers for the farmers” he delivered a lecture on millets processing and value addition technologies and interacted with the farmers.

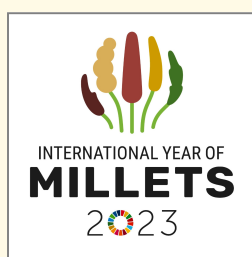
MoU/ MoA made during December 2022

The following Memoranda of Agreement / Understandings were made through ITMU, ICAR-IIMR, signed at ICAR-IIMR during January 2023. Dr. CV Ratnavathi, Director-IIMR on behalf of IIMR signed the agreements. The details are as follows:

Date of Agreement	Second Party/ Licensee	Purpose of MoA/ MoU	Signatory Authority		Witnessed by
			ICAR-IIMR	Second party	
20.01.23	Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh	Collaborative research and promotion of millets	Dr. C.V. Ratnavathi, Director	Dr. Girish Chandel, Vice Chancellor	Dr. K Hariprasanna
30.01.23	Agri Biotech Foundation, Hyderabad	Collaborative research	Dr. C.V. Ratnavathi, Director	D. Vishnu Vardhan Reddy, Director	Dr. KBRS Visarada & J. Stanley

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

S. No	Name of the Official	Participated in	Type	Venue	Dates
1	CV Ratnavathi, B Dayakar Rao, J Stanley, Sangappa & V Ravi Kumar	Millets & Organics International Trade Fair 2023	C	Tripuravasini Palace Ground, Bengaluru	20-22 January, 2023
2	B Venkatesh Bhat	Meeting on Kharif market price policy organized by CACP,	M	Krishi Bhavan, New Delhi	17 January, 2023
3	Rajendra R. Chapke	“National Workshop on Millets and Natural Farming”	W	ICAR-ATARI, Pune	19 January, 2023
4	Rajendra R. Chapke	National Seminar on Millets	S	National Mission for Clean Ganga (NMCG), India International Centre (IIC), Delhi	24 January, 2023



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