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ADG (FFC), ICAR Visits IIMR

Dr. IS Solanki, Assistant Director General (F&FC) Hyderabad visited IIMR on 25 June, 2016. Dr. Vilas A Tonapi, Director,



IIMR explained him about the ongoing research activities, and action plans being envisaged at IIMR to enhance the research and development effort on millets.

Interactive meeting with DDG (Res), ICRISAT

Dr. Peter Carberry, Deputy Director General – Research, ICRISAT along with his team including Drs. Joana Potaka and Ashok Kumar, visited IIMR on 10 June 2016. Dr. Vilas A Tonapi, Director, IIMR briefed the team on overview of re-



भाकअनुसं में सहायक महानिदेशक का दौरा

डॉ. आई एस सोलंकी, सहायक महानिदेशक (खाद्य एवं चारा फसल) ने 25 जून, 2016 को संस्थान का दौरा किया। डॉ. विलास ए टोणपि, निदेशक, भाकअनुसं ने उन्हें अनुसंधान एवं वैज्ञानिक परिणामों की बढ़ोतरी हेतु संस्थान में जारी अनुसंधान गतिविधियों एवं कार्य-योजनाओं के संबंध में जानकारी प्रदान की।

भाकअनुसं में उप महानिदेशक, इक्रिसेट का दौरा

डॉ. पीटर कार्बेरी, उप महानिदेशक-अनुसंधान, इक्रिसेट ने अपने दल के साथ 10 जून, 2016 को संस्थान का दौरा किया। डॉ. विलास ए टोणपि, निदेशक, भाकअनुसं ने दल को संस्थान में जारी अनुसंधान कार्यक्रमों के बारे में संक्षिप्त जानकारी प्रदान की। उक्त दल ने संस्थान के वैज्ञानिकों से भी विचार-विमर्श किया तथा संस्थान की विभिन्न प्रयोगशालाओं का भी दौरा किया।

भाकअनुसं का डॉ. एम वी राव स्मृति पुरस्कार

प्रो. जयशंकर तेलंगाना राज्य कृषि विश्वविद्यालय तथा स्थानीय भाकअनुसंधान संस्थान के सहयोग से कृषि एवं विकास हेतु निर्मित डॉ. एम वी राव फाउंडेशन के संयुक्त तत्वावधान में 21 जून, 2016 को डॉ. एम वी राव स्मृति पुरस्कार तथा स्मृति व्याख्यान का आयोजन किया गया। इस अवसर पर भारतीय कदन्न अनुसंधान संस्थान की कदन्न अनुसंधान संस्था ने कदन्नों के विकास एवं व्यवसाय में योगदान के लिए श्री श्रीधर मूर्ती, श्री एम कार्तिकेयन तथा श्री अनील कुमार रेड्डी नामक तीन कदन्न कृषकों को डॉ. एम वी राव स्मृति पुरस्कार प्रदान किया।

मेरा गांव मेरा गौरव कार्यक्रम

भारतीय कृषि अनुसंधान परिषद, कृषि एवं किसान कल्याण मंत्रालय के मेरा गांव मेरा गौरव कार्यक्रम के अंतर्गत डॉ. टी जी नागेश्वर राव, डॉ. सीएच शशिधर रेड्डी, डॉ. एम एलंगोवन, डॉ. के एस बाबू तथा डॉ. संगप्पा ने भाकअनुसं के द्वारा दत्तक ग्रहण गांव, महाराजपेट, रंगा रेड्डी, तेलंगाना का 23 जून, 2016 को दौरा किया। इस दौरे का उद्देश्य कृषकों को कृषि-कार्यों, जैविक खेती, कृषि-पारिस्थितिक परिस्थितियों के अनुसार निवेश आदि पर अद्यतन जानकारी प्रदान करना था।

माइकल ब्लुमेल द्वारा व्याख्यान

डॉ. माइकल ब्लुमेल, दल प्रमुख, फीड व फॉरेज, इंटरनेशनल लाइवस्टॉक रिसर्च इंस्टिट्यूट (इली), एड्डीस अब्बा, यूथोपिया ने भाकअनुसं, हैदराबाद में 1 जून 2016 को ऑपरचुनिटिज एंड लिमिटेड ऑफ मल्टि-डायमेशनल क्रॉप इंफ्रूवमेंट टू इन्क्रिज ओवरआल प्रोडक्टिविटी इन मिक्सड क्रॉप लाइवस्टॉक सिस्टम विषय पर व्याख्यान दिया।

अंतर्राष्ट्रीय योग दिवस

भाकअनुसं, हैदराबाद में 21 जून, 2016 को अंतर्राष्ट्रीय योग दिवस

का आयोजन किया गया। इस अवसर पर प्रो. एम सिंगा राव, सेवानिवृत्त प्रोफेसर, मृदा भौतिकी, आचार्य एनजीरंकृविवि ने योग से संबंधित विशेष व्याख्यान दिया तथा योग का अभ्यास भी कराया। डॉ. विलास ए टोणपि, निदेशक, भाकअनुसं ने अतिथि को स्मृति चिह्न भेंट किया तथा श्री ओवी रमणा, सहायकअधि, भाकअनुसं ने उक्त कार्यक्रम का समन्वय किया।

नए वैज्ञानिक द्वारा कार्यभार ग्रहण

डॉ नंद लाल मीणा, ने 15 जून, 2016 को भाकअनुसं में वैज्ञानिक (पादप जीव-रसायन) के रूप में कार्यभार ग्रहण किया। *कदन्न परिवार उनका स्वागत करता है!*

व्याख्यान

डॉ. एम एलंगोवन, प्रधान वैज्ञानिक ने राष्ट्रीय कृषि अनुसंधान प्रबंध अकादमी, हैदराबाद में 14 जून 2016 को अनुसंधानकर्ताओं हेतु आयोजित *इंटेक्चुअल प्रॉपर्टी एंड टेक्नोलॉजी मैनेजमेंट* नामक प्रबंधन विकास कार्यक्रम के दौरान व्याख्यान दिया।

डॉ. पी जी पद्मजा, प्रधान वैज्ञानिक ने कीट विज्ञान विभाग, कृषि महाविद्यालय, बापट्ला में 25 जून 2016 को *इंसेक्ट होस्ट प्लांट इंटरैक्शंस इन सोरघम* विषय पर अतिथि व्याख्यान दिया।

आगंतुक

श्री विनोद कुमार गौड़, अध्यक्ष तथा प्रबंध निदेशक, राष्ट्रीय बीज निगम, नई दिल्ली ने 1 जून, 2016 को संस्थान का दौरा किया। डॉ. विलास ए टोणपि, निदेशक, भाकअनुसं ने उन्हें संस्थान में जारी अनुसंधान गतिविधियों विशेषकर बीज उत्पादन संबंधी सभी गतिविधियों में संबंध में जानकारी प्रदान की।

श्री अमन दयाल, निदेशक तथा श्री अविनाश कुमार सिंह, सहायक महाप्रबंधक, दयाल सीड्स प्रा.लि., मेरठ, उ.प्र. ने 1 जून, 2016 को संस्थान का दौरा किया। आगंतुकों ने यहां संचालित गतिविधियों का मूल्यांकन किया तथा वे सीएसएच 24एमएफ के बीज उत्पादन हेतु भाकअनुसं के साथ करार ज्ञापन हेतु उत्सुक थे।

श्री डी वी आर राजीव मोहन, उपाध्यक्ष, पण्य वस्तुएं तथा श्री समरेश द्विवेदी, प्रधान वैज्ञानिक, आईटीसी प्रा.लि. सिकंदराबाद ने 15 जून, 2016 को संस्थान का दौरा किया। उन्होंने ज्वार पर उपलब्ध प्रौद्योगिकियों के उत्थान एवं लाइसेंसिकरण तथा व्यावसायीकरण पर संस्थान के निदेशक, डॉ. विलास ए टोणपी एवं अन्य वैज्ञानिकों के साथ विस्तार से विचार-विमर्श किया।

श्री पी गोपालकृष्णा, प्रधान परामर्शदाता तथा श्री एच टी रामकृष्णा, प्रबंधन परामर्शदाता, स्टबैक कांसलटिंग प्रा.लि. हैदराबाद ने 23 जून, 2016 को संस्थान का दौरा किया। डॉ. विलास ए टोणपि, निदेशक, भाकअनुसं ने उन्हें संस्थान में जारी अनुसंधान गतिविधियों एवं ज्वार के स्वास्थ्यवर्धक खाद्य पदार्थों के प्रचार-प्रसार, बैद्धिक संपदा अधिकार संरक्षण संबंधी विषयों के संबंध में संक्षिप्त जानकारी प्रदान की।

स्नोतकोत्तर छात्र : डॉ. बी बी पाटील, सहायक प्रोफेसर, बागवानी विश्वविद्यालय, भागलकोट, कर्नाटक के नेतृत्व में 8 स्नातकोत्तर तथा 2 पीएच डी के छात्रों ने 27 जून 2016 को संस्थान का दौरा किया। उन्हें संस्थान में संचालित विभिन्न अनुसंधान गतिविधियों एवं मूल्य-वर्धन उत्पादों के संबंध में जानकारी प्रदान की गई। उन्हें नवीनतम प्रौद्योगिकियों से संबंधित साहित्य भी प्रदान किया गया। डॉ. अरुण तिवारी, अध्यक्ष, केयर फाउंडेशन हैदराबाद ने 25 जून, 2016 को संस्थान का दौरा किया।



search programs at IIMR. The ICRISAT and IIMR teams also discussed on areas for collaboration and way forward.

Dr. Carberry highlighted the importance of addressing all the issues right from breeding to value addition in a project mode form. He suggested that forward breeding can be a part of ICAR-ICRISAT collaborations and diagnostic marker development can be shared. Dr Peter evinced interest in evolving the strategies to address the yield gaps, analysing the reasons for decrease in sorghum area and the role of IIMR in influencing the government policies to favour millets. Dr. Tonapi, Director IIMR felt the need for formation of small working groups to address these issues and also to bring in more role clarity and monitoring. He also opined that the next five years programme has to be finalised and executed very soon. The ICRISAT team also interacted with the scientists and visited Entomology and Biotechnology labs and Centre of Excellence on Sorghum and Value addition.

IIMR's 'Dr. MV Rao Memorial Award-2016'

Dr. M.V. Rao Memorial Award-2016 and memorial lecture function was jointly organized by the Prof. Jayashankar Telangana State Agricultural University (PJTSAU) and Dr. MV Rao foundation for agriculture and development in association with all ICAR institutes located at Hyderabad on 21 June, 2016. On this occasion the Society for Millets Research of Indian Institute of Millets Research, Hyderabad facilitated Dr. MV Rao Memorial awards for three eminent people involved in millet development and utilization and were presented to the following recipients:

1. **Sh. Sridhar Murthy**, Dhaan Foundation, Bangalore, Karnataka in recognition of his contributions to promotion and popularization of millets.



2. **Sh. M. Karthikeyan**, Madurai, Tamil Nadu, in recognition of his contributions to revalorising the production of



small millets across three states in India.

3. **Sh. Anil Kumar Reddy**, Bellary, Karnataka in recognition



of his contributions to fodder sorghum seed security.

Historical Material Transfer Agreement

The ICAR-Indian Institute of Millets Research (IIMR), Hyderabad and Tamil Nadu Agricultural University (TNAU), Coimbatore has entered on historical Material Transfer Agreement on exchange of millets germplasm for research. The terms for benefit sharing are mainly on non-monetary as per ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization (2014) which includes Sharing of research results, Collaboration, Cooperation and contribution in scientific/R&D programmes, Education and training, Participation in product development, strengthening capacity for technology transfer. Institutional capacity building, Access to relevant scientific information including inventories and databases, Research directed towards priority needs, e.g. food and nutritional security, Joint ownership of relevant IPR. Under this agreement, Finger millet (2305 acc.), Foxtail millet (784 acc.), Little millet (176 acc.), Proso millet (375 acc.), Barnyard millet (234 acc.), Kodo millet (184 acc.) and Pearl millet (2260 acc.) will be exchanged by TNAU to IIMR for research. This agreement is approved by Prof K Ramasamy, Vice Chancellor, TNAU and supported by Dr Vilas A Tonapi, Director, IIMR; Dr M Maheswaran, i/c Director of Research, TNAU and Dr K Ganesamurthy, Director, Centre for Plant Breeding and Genetics, TNAU. This MTA is facilitated by Dr S

Ganesh Ram, Head, Department of Plant Genetic Resources, TNAU and Dr M Elangovan, Principal Scientist, IIMR. The first consignment of material will be received by IIMR during first week of July 2016 and the last will be in first week of October 2016.

"Mera Gaon Mera Gaurav"

23 June, 2016: Scientists from Indian Institute of Millets Research (IIMR), Hyderabad - Drs. TG Nageshwar Rao, Ch. Sashidhar Reddy, M Elangovan, KS Babu, and Sangappa, visited Maharajapet village, Ranga Reddy District of Telangana on 23 June, 2016 under "Mera Gaon Mera Gaurav" pro-



gramme of Indian Council of Agriculture Research, Ministry of Agriculture and farmers welfare, to provide information to the farmers on technical and other related aspects. This village was adopted by the Indian Institute of Millets Research during 2015-16. The main objective of this programme is to strengthen interface with farmers to update farmers on agro-practices, organic farming, provide information on inputs as per the agro-ecological conditions of the village, create awareness among farmers about the programmes being implemented by various organizations and institutions working at local level besides, spread awareness about *Swachh Bharat Abhiyaan*, climate change, water conservation, soil fertility. During this visit, the team distributed sorghum seed to about 25 farmers and explained the production and protection technologies to be adopted in the Kharif season.

28 June, 2016: In the same way, IIMR Scientists attended the seed distribution function of high yielding sorghum cultivars at Nandigama village, Kothur Mandal, Mahabubnagar district, Telangana on 28 June, 2016. There was a great enthusiasm among many farmers to take up sorghum crop in alfisols of Kothur Mandal. Drs. SS Rao, Ch. Sashidhar Reddy, R Madhusudhana, A Umakanth, P Rajendrakumar and Nanda Lal Meena in this programme. Dr. Ch. Sashidhar Reddy, Principal Scientist (Extension) was the coordinator of these programme.

Seminar by Dr. Michael Blummel



Dr. Michael Blummel, Team Leader, Feed and Forages, International Livestock Research Institute (ILRI), Addis Ababa, Ethiopia delivered a lecture on "Opportunities and limitations of multi-dimensional crop improvement to increase overall productivity in mixed crop livestock system" on 1 June, 2016 at IIMR. All the Scientists, Technical staff, RAs, SRFs, students of IIMR attended the talk.

International Yoga Day celebrated

Indian Institute of Millets Research celebrated "International Yoga Day" on 21 Jun 2016. Prof. M. Singa Rao, Retd. Professor of Soil Physics, Acharya NG Ranga



Agriculture University, Hyderabad delivered a special lecture and conducted a practical session on this occasion. Dr. Rao said that, yoga stabilizes the body, mind and emotions, strengthens the spine. Yoga can relieve back pain, stress, anxiety and tension. He enlightened that yoga also enhances teamwork and communication power in day to day office works, and also imparts a lasting sense of joy, peace and fulfilment. About 70 staff enthusiastically participated in this event. Dr. Vilas Tonapi, Director IIMR honoured the guest with a memento. Mr. OV Ramana, ACTO was the coordinator of this International Yoga Day at IIMR.

New Scientist joined IIMR

Mr. Nand Lal Meena, Scientist (Plant Biochemistry), previously working at Indian Institute of Pulses Research, Kanpur joined Indian Institute of Millets Research, on 15 June, 2016. His mail ID is: meena@millets.res.in. IIMR welcomes him to the millets family.



New publications released

During the 23rd meeting of Regional committee-II held at NAARM, Hyderabad, during 24-25 June, 2016, following two publications from Indian Institute of Millets Research were released by Dr. Trilochan Mohapatra, Secretary Dare and DG, ICAR on 24 June, 2016.

Books

Title: **Millet Recipes-A healthy Choice.**

Authors: *B Dayakar Rao, Vishala AD, GD Arlene Christina and Vilas A Tonapi*

Published by: IIMR, Hyderabad

ISBN No: 81-89335-62-6



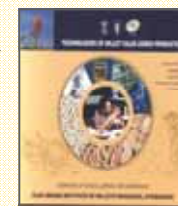
This book comprehensively deals with the millet based ready to cook products, methods of recipe preparation and nutritive value of the respective products. This book is useful for households as well as food entrepreneurs.

Title: **Technologies of millet value added products**

Authors: *B Dayakar Rao, Sangappa, Vishala AD, GD Arlene Christina and Vilas A Tonapi*

Published by: IIMR, Hyderabad

ISBN No: 81-89335-61-8



The above book deals with the millet based value addition technologies developed and commercialized from the Centre of Excellence at IIMR, Hyderabad.

Lecture delivered

Dr. M Elangovan, Principal Scientist (Plant Genetic Resources) delivered a lecture on "PPV&FRA act 2001" at National Academy of Agricultural Research Management (NAARM), Hyderabad on 14 June 2016 during Management Development Programme entitled "Intellectual Property and Technology Management for Researchers".

Dr. PG Padmaja, Principal Scientist (Entomology) delivered a Guest lecture on "Insect Host Plant interactions in Sorghum" on 25 June, 2016 at Department of Entomology, Agricultural College, Bapatla.

AICRP centre visit

Dr. VA Tonapi, Director, and Dr. Venkatesh Bhat, Principal Scientist, IIMR visited AICRP on sorghum research centre at Gulbarga (UAS, Raichur) on 2 June, 2016 and reviewed the work plan. They had a meeting with Dr. JP Patil, Dean, Dr. Mannur, Pulses co-ordinator and Dr. Girish i/c AICRP on Sorghum on the plan of action for sorghum and pigeon pea improvement.

Visitors

Sh. Vinod Kumar Gaur, Chairman-cum-Managing Director, National Seed Corporation, New Delhi visited IIMR on 1 June, 2016. Dr. Vilas A Tonapi, Director, IIMR described him about the institute's research activities, aspirations and thrust areas and seed production and seed research matters



in particular.

Sh. Aman Dayal, Director and **Sh. Avinash Kumar Singh**, Assistant General Manager, Dayal Seeds Pvt. Ltd, Meerut, UP visited IIMR on 1 June, 2016. The visitors were appraised on overview of millets, improved cultivars of sorghum and



technology transfer modalities. They expressed their desire to initiate the MoA to take up seed production of CSH 24 MF with IIMR.

Dr. Rakesh Srivastava, Senior scientist of ICRISAT, Patancheru, visited IIMR on 3 June, 2016. He had a detailed dialogue with the Director, IIMR Dr. Vilas Tonapi on possible collective research projects between ICRISAT and IIMR,



pertaining to Pearl Millet.

Sh. DVR Rajiv Mohan, Vice-president, Commodities and **Dr. Samresh Dwivedi**, Principal Scientist, ITC Ltd, Secunderabad visited IIMR on 15 June, 2016. They had a detailed



discussion with Dr. Vilas A Tonapi, Director and other scientists on the issue of up-scaling the available technologies on sorghum and licensing and commercialization. Dr. B Dayakar Rao, In-charge – CoE on sorghum at IIMR also partici-

pated in the discussions.

Sh. P Gopalakrishnan, Principal Consultant, **Sh. HT Ramakrishna**, Managing Consultant, Stabaka consulting private limited, Hyderabad visited IIMR on 23 June, 2016. Dr. Vilas A Tonapi, Director, IIMR briefed them ongoing



research activities, promotion of sorghum health foods. Issues relating to IPR protection, training components, including the mechanism to evolve contracts with the industries were discussed. Drs. B Dayakar Rao and Sujay Rakshit also participated in the deliberations. They also visited the Centre of Excellence - a sorghum value addition and food processing technology Park.

Dr. Arun Tiwari: Dr. Arun Tiwari, Chairman, CARE foundation Hyderabad visited IIMR on 25 June, 2016. Discussions were held on millet development and popularization as health food in the presence of Dr. IS Solanki, ADG (FFC) and Dr. Vilas A Tonapi, Director IIMR. Drs. B Dayakar Rao, B Venkatesh Bhat and Sujay Rakshit also participated in the deliberations.

PG Students: Total 8 Post Graduate students and 2 Ph.D. Students led by Dr. BB Patil, Assistant professor from University of Horticulture, Bhagalkot, Karnataka visited IIMR on 27 June, 2016. They were briefed about the various ongoing research activities at the institute and preparation of



value-added products and health foods from sorghum and other millets. They also visited Entomology and biotechnology laboratories and Food processing and Technology Park. Relevant literature was also provided on latest improved technologies and different sorghum food products. This programme was coordinated by Drs. RR Chapke, R Madhusudhana and Mr. Raghunath Kulakarni and Drs. N Kannababu, PG Padmaja and B Venkatesh Bhat were the resource persons.

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

| S. No | Name of the Official | Participated in | Type | Venue | Dates |
|-------|--|---|------|--------------------|-----------------------|
| 1 | V Ravikumar & P Mukesh | Training programme on "Big data analytics in Agriculture" | T | NAARM, Hyderabad | 13-22 June, 2016 |
| 2 | Vilas A Tonapi, HS Talwar, R Madhusudhana & P. Sanjana Reddy | Meeting on "Research priorities , partnership and policies for increasing productivity in A1 zone" | M | CAZRI, Jodhpur | 17-19 June, 2016 |
| 3 | Saroj Kumar Singh | Training programme on "Pension and Other Retirement Benefits" | T | ISTM, New Delhi | 20-23 June, 2016 |
| 4 | Vilas A Tonapi | Regional committee-II meeting | M | NAARM, Hyderabad | 24-25 June, 2016 |
| 5 | Saroj Kumar Singh | Training programme on "Right to Information (RTI) Act " | T | ISTM, New Delhi | 30 June- 1 July, 2016 |
| 6 | B Venkatesh Bhat | Brainstorming session on "Prospects and challenges in Diffusion of Millet based technologies and Products" | M | CFTRI, Mysuru | 28 June, 2016 |
| 7 | C Aruna Reddy | Programme on taking it to the breeder strategies to fast track registration of extant, new and farmers' varieties and strengthening farmer's rights | M | PPV&FRA, New Delhi | 30 June, 2016 |

Thought for the month

Effective leadership is putting first things first. Effective management is discipline, carrying it out.

Stephen Covey



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Hindi Translation

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IIMR Millets Newsletter

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