



IIMR

**Millets**

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## समाचार सारांश

### कृषि शिक्षा दिवस

भाकअनुप-भाकअनुसं ने छात्रों में कृषि एवं संबंधित विज्ञान हेतु रुचि पैदा करने के उद्देश्य से 4 दिसंबर, 2017 को कृषि शिक्षा दिवस का आयोजन किया। भारतीय कृषि अनुसंधान परिषद ने स्वतंत्र भारत के माननीय कृषि मंत्री (1946) भारत रत्न डॉ. राजेन्द्र प्रसाद के जन्मदिन (3 दिसंबर) को कृषि शिक्षा दिवस के रूप में मनाने का निर्णय लिया। इस अवसर पर छात्रों हेतु संस्थान के वैज्ञानिक दल के द्वारा विभिन्न व्याख्यानों एवं प्रतियोगिताओं का आयोजन किया गया तथा डॉ. विलास ए टोणपि, निदेशक, भाकअनुसं के द्वारा विजेताओं में पुरस्कारों का वितरण भी किया गया। डॉ. वी रवि कुमार, जसअधि ने इस कार्यक्रम का समन्वयन किया।

### राष्ट्रीय बीज परियोजना की समीक्षा

डॉ. नारायण कुट्टी, एडीआर, आरएआरएस, पट्टाभी, केरल कृषि विश्वविद्यालय की अध्यक्षता में दक्षिण क्षेत्र-1 राबीप (फसल) अनुवीक्षण दल ने 12 दिसंबर, 2017 को भाकअनुसं का दौरा किया। डॉ. विलास ए टोणपि, निदेशक, भाकअनुसं ने राबीप कार्यक्रम में समग्र प्रदर्शन पर संक्षिप्त विवरण प्रस्तुत किया। डॉ. बी वेकंटे श भट, प्रधान वैज्ञानिक तथा नोडल अधिकारी(बीज), भाकअनुसं ने इस परियोजना के अंतर्गत हुई प्रगति की समग्र जानकारी प्रदान की।

### जिर्कास, जापान के वैज्ञानिकों के साथ परस्पर वार्ता

भाकअनुप-भाकअनुसं में 5 दिसंबर, 2017 को जिर्कास, जापान के वैज्ञानिकों के साथ परस्पर वार्ता का आयोजन किया गया। डॉ. विलास ए टोणपि, निदेशक, भाकअनुसं ने जिर्कास से आए डॉ. सतोशी तोबिता तथा डॉ. जी वी सुब्बाराव को संस्थान में संचालित अनुसंधान गतिविधियों के संबंध में संक्षिप्त जानकारी प्रदान की। डॉ. एच एस तलवार, प्रधान वैज्ञानिक ने उक्त दौरों का समन्वय किया।

### विश्व मृदा दिवस

भाकअनुप-भाकअनुसं, हैदराबाद के द्वारा मृदा स्वास्थ्य के महत्व पर ध्यान केंद्रित करने तथा मृदा संसाधनों के टिकाऊ प्रबंधन हेतु आंध्र प्रदेश के गुंटूर जिले के तेनाली ग्राम में 5 दिसंबर, 2017 को विश्व मृदा दिवस का आयोजन किया गया। इस कार्यक्रम में 200 ज्वार कृषक शामिल लगभग 300 सहभागियों ने भाग लिया। डॉ. सीएच शशिधर रेड्डी तथा डॉ. बी सुब्बारायडु ने संस्थान का प्रतिनिधित्व किया। इस समारोह के दौरान लगभग 25 मृदा स्वास्थ्य कार्ड वितरित किए गए।

### आंचलिक प्रौद्योगिकी प्रबंधन (जेडटीएमसी) केंद्र की समीक्षा बैठक

भाकअनुप-भाकअनुसं में 16 दिसंबर, 2017 को डॉ. विलास ए

## Agricultural Education Day Celebrated

ICAR -Indian Institute of Millets Research, Hyderabad celebrated Agricultural Education Day on 04 Dec 2017 for school children to develop interest in



agriculture and allied sciences and to choose 'agriculture' as their professional and research career or engage themselves in farming as agripreneurs. The Indian Council of Agricultural Research had decided to celebrate the birthday (3 December) of the first Indian union agriculture minister (1946) and the first President of Independent India, Bharat Ratna, Dr. Rajendra Prasad as Agricultural Education Day in India.

About 80 Students from four schools - T.I.M.E School, Bandlaguda, Bharatiya Vidya Bhavan School, Spring Field High School and St. Adams

टोणपि, निदेशक, भाकअनुसं की अध्यक्षता में दक्षिण भारत अंचल में भाकअनुप फसल संस्थानों में आंचलिक प्रौद्योगिकी प्रबंधन केंद्र गतिविधियों में प्रगति हेतु समीक्षा बैठक का आयोजन किया गया। डॉ. बी दयाकर राव, नोडल अधिकारी-आईपीटीएम ने इस बैठक को सुकर बनाया।

#### सम्मान

द एंटमोलॉजी सोसाइटी ऑफ इंडिया, नई दिल्ली ने 31 दिसंबर, 2017 को डॉ. पी जी पदमजा, प्रधान वैज्ञानिक, भाकअनुसं को कीटविज्ञान अनुसंधान में उनकी समर्पित सेवाओं के लिए लाइफ फेलो के रूप में सम्मानित किया। कदन्न परिवार उन्हें हार्दिक बधाई देता है!

#### संयुक्त राष्ट्र अमेरिका (यूएसए) से आगंतुक

कदन्न विकास पर अद्यतन जानकारी प्राप्त करने के प्रयोजन से डॉ. मिट्च रेन्काव, प्रोफेसर, एग्रिकल्चरल एंड रिसोर्स एकोनॉमिक्स, रैलेइघ, एन सी यूनिवर्सिटी, यूएसए ने डॉ. इस्मैल ओलिवेर किंग, कार्यकारी निदेशक, श्री एन कुमार तथा श्री एम एन शिवकुमार, एम एस स्वामिनाथन रिसर्च फाउंडेशन, चेन्नई के साथ 11 दिसंबर, 2017 को संस्थान का दौरा किया। आगंतुकों ने भारत में कदन्न के प्रसार के संबंध में डॉ. राजेन्द्र आर चापके, प्रधान वैज्ञानिक, भाकअनुसं के साथ विचार-विमर्श किया।

#### रायचूर में मिलेट स्टाल

कृषि विज्ञान विश्वविद्यालय, रायचूर में 7-8 दिसंबर, 2017 के दौरान आयोजित कृषक दिवस के अवसर पर भाकअनुप-भाकअनुसं ने कदन्न के मूल्य-वर्धित उत्पादों का स्टाल लगाया। उक्त स्टाल का 500 से ज्यादा किसान एवं छात्रों ने दौरा किया। निलान परियोजना के तकनीकी दल ने उक्त स्टाल का समन्वय किया।

#### विशेषज्ञ/व्याख्यान

डॉ. एम एवलंगोवन, प्रधान वैज्ञानिक, भाकअनुसं ने निम्नलिखित व्याख्यान दिए।

- भाकअनुसं, हैदराबाद में 4 दिसंबर, 2017 को इंडियन बायोडायवर्सिटी पर व्याख्यान।
- राअस्ट्रेप्रसं, मालेगांव में 6 दिसंबर, 2017 को डिजिटलाइजेशन ऑफ डस ट्रेट्स इन एग्रिकल्चरल क्रॉप्स पर व्याख्यान।
- भाकअनुसं, हैदराबाद में 21 दिसंबर, 2017 को डिजिटल डेटा कलेक्शन मेथड्स एंड मार्केट सर्वे थ्रू एंड्रॉयड एप्स पर व्याख्यान

#### आगंतुक

प्रो वी एस पाहिल, राष्ट्रीय सलाहकार, राष्ट्रीय खाद्य सुरक्षा मिशन, कृषि एवं सहकारिता विभाग, नई दिल्ली तथा डॉ. सुभाष चंद्रा, निदेशक, कदन्न विकास निदेशालय, जयपुर ने राखासुमि के अंतर्गत न्युट्री-सिरियल्स (मिलेट) पर प्रस्तुत प्रस्ताव पर विस्तृत चर्चा हेतु 20-21 दिसंबर, 2017 को संस्थान का दौरा किया। डॉ. बी दयाकर राव, डॉ. बी वेंकटेश भट तथा डॉ. सी संगप्पा ने आगंतुकों से कदन्नों के विस्तार पर विस्तार से विचार-विमर्श किया।

डॉ. पी जी चंगप्पा, भूतपूर्व कुलपति - कृविवि, बेंगलुरु तथा निदेशक, टाटा काफी प्रा.लि. ने 5 दिसंबर, 2017 को संस्थान का दौरा किया। उक्त दौरे के दौरान पौष्टिक धान्य के रूप में कदन्नों के विकास तथा कृषकों की आय को दोगुना करना, मूल्य-वर्धन तथा कदन्नों का निर्यात चर्चा का मुख्य विषय रहा।

High School from Rajendranagar participated in this event. Class room lectures were delivered by Dr. S Ravi Kumar, Sr. Scientist on "Agriculture as a professional Career" and Dr. M Elangovan spoke on "Indian Biodiversity". To mark this event, IIMR also organized a series of competitions such as Debate, Essay writing, Quiz, Drawing and Painting for the school children. Prizes were distributed to the winners by the Director, IIMR Dr. Vilas A Tonapi.

A team of IIMR scientists comprising Drs. PG Padmaja, KBRS Visarada, C Aruna, Hariprasanna K, Deepika C, KN Ganapathi, Sooganna, M. Elangovan adjudged the prize winners under various categories of competitions. Dr. V Ravi Kumar, PRO of IIMR was the coordinator of this event.

#### NSP project reviewed

South Zone - I NSP (crops) Monitoring team headed by Dr. Narayan Kutty, ADR, RARS, Pat-tambhi, Kerala Agri. Univ, visited Indian Institute of Millets Research on 12 December, 2017. The other team members who participated in this re-



view were: Dr. T Ramanathane, Seed officer, Pandit Jawaharlal Nehru College of Agriculture, Karaikal, Puducherry and Dr. Arul Prakash, Seed officer, TNAU, Seed Centre, Coimbatore. Dr. Vilas A Tonapi, Director, IIMR briefed the team overall performance of NSP programme at IIMR, Dr. B Venkatesh Bhat, Principal Scientist and Nodal Officer (Seed) at IIMR explained in detail the progress made under this project, Dr. Sooganna, Scientist and Raghunath Kulakarni, Technical Officer provided necessary inputs to the team.

#### Interactive meeting with Scientists, JIRCAS, Japan.

An interactive meeting was held at IIMR Hyderabad with scientists from JIRCAS, Japan on 5 December, 2017. Dr. Satoshi Tobita, Program Director, Environment and Natural Resource Management, JIRCAS and Dr. GV Subbarao, Senior Researcher and Group lead-BNI, participated in the deliberations with Scientists of IIMR. Dr. Vilas A Tonapi, Director IIMR, briefed the team about the ongoing research activities at IIMR. Dr. Tobita gave the over-

view of JIRCAS activities and proposed to have research collaboration with IIMR. Dr. GV Subbarao made a brief presentation of his latest accomplishment in the area of BNI with specific reference to Sorghum. Dr. Tonapi also had a discussion on research and development of joint research proposals on sorghum and other millets in the area of BNI. Dr. Tobita encouraged IIMR scientists to apply for various funding opportunities as well as to compete



for various on-going fellowship programs in JIRCAS and Japan. Japanese team suggested IIMR scientists to apply for JIRCAS and JSPS fellowships, which they will support/recommend from their side. Dr. HS Talwar, Principal Scientist coordinated this Japan Team's visit at IIMR.

## World Soil Health Day

ICAR - Indian Institute of Millets Research, Hyderabad organized World Soil Day on 05th December, 2017 at Tenali, Guntur District, Andhra Pradesh to focus attention on the importance of healthy soil and advocating for the sustainable management of soil resources. About 300 participants including 200 sorghum farmers' participated in the event. Sri. Alapati Rajendra Prasad, MLA, Tenali was the Chief Guest. The other officials on the dais were: Smt. Annabattuni Jayalakshmi, ZPTC, Sri Vanga Sambhi Reddy, Chairman and Sri Sridhar, Vice Chairman, Agricultural Market Committee, Sri Battula Krishnadevaraya, ADA (R), and Mandal, Agricultural Officer Sri Payala Venkata Narasaiah (Tenali), Smt. Molakaluri Annapurnamma (Kollipara), Sri Bandatella Premsagar, (Ponnur), Sri Rajala VijayaBabu, (Vemuru), and Sri. Shaik Attar Hussain (Dugiirala).

Dr. Ch. Sashidhar Reddy, Principal, Scientist and Dr. B. Subbarayudu, Principal Scientist, represented the ICAR, Indian Institute of Millets Research. They brought to the notice of farmers that there is a worldwide increase in degradation of soil resources due to inappropriate management practices, population pressure driving unsustainable intensification and inadequate governance over this essential resources. To maintain the fertility levels and health

of soil, farmers should take soil samples for testing to identify deficiencies of various essential nutrients and minerals and appropriate amendments need to be applied to ameliorate the problem and resumed the soil health. During this event, about 25 Soil Health Cards were distributed to the farmers.

## ZTMC review meeting

Review Meeting on "Progress on Zonal Technology Management Centre (ZTMC) Activities in ICAR Crop Institutes in the Southern Indian zone" was organized at ICAR-Indian institute of Millets Research (IIMR) on 16 December, 2017. Dr Vilas A Tonapi, Director IIMR was the Chairman. Dr. B Dayakar Rao, Principal Scientist, IIMR in his welcome Address presented the overview. The other members from various ICAR institutes who participated and presented the progress reports in this meeting were: Drs. S Chandra Mohan, Directorate of Groundnut Research, Junagarh; MP Sharma, Indian Institute of Soybean Research, Indore; G



Balasubramani, Central Institute of Cotton Research, Nagpur; SK Sarkar, Central Research Institute for Jute & Allied Fibres, Barrackore; GAK Kumar, Central Rice Research Institute, Cuttack; T Venkatesan, National Bureau of Agricultural Insect Resources, Bangalore; K Hari, Sugarcane Breeding Institute, Coimbatore; Dr. K Bhagyalakshmi, Central Tobacco Research Institute, Rajahmundry; SV Ramana Rao, Indian Institute of Oilseeds Research, Hyderabad; P Muthuraman, Indian Institute of Rice Research, Hyderabad and CARuna Reddy, M Elangovan, AvinashSingode, from Indian Institute of Millets Research. Dr. Sangappa, Scientist, IIMR presented the vote of thanks. The forum discussed on IP protection, licensing, commercialization, entrepreneurship development and provision of royalties and other issues related to various crop specific technologies. Dr. B Dayakar Rao, Nodal Officer IPTM facilitated this meeting.

## Honour

The Entomology Society of India, New Delhi elected **Dr. PG Padmaja**, Principal Scientist, IIMR as "Life Fellow" for her



devoted services to the promotion of Research in Entomology on 31 December, 2017. *Entire IIMR family Congratulates Dr. Padmaja for this achievement.*

## Visitor from USA

Dr. Mitch Renkow, Professor, Agricultural and Resource Economics, Raleigh, NC University, USA visited the institute on 11 December, 2017 along with Dr. Israel Oliver King, Executive Director, Mr. N. Kumar and Mr. MN Shivakumar from MS Swaminathan Research Foundation (MSSRF), Chennai. The



main purpose of the visit was to know the latest updates regarding millets developments and their perspective. He was happy to know about current collaborative programme with MSSRF on socio-economic upliftment of the tribal farmers by adopting improved millets production technologies and increasing profitability. He had discussion with Drs. B Dayakar Rao and Rajendra Chapke, Principal Scientists, IIMR on strength, opportunities and Extension mechanism required for expansion of millets in India. Besides, there was discussion on important issues and supports required to boost up millet production and utilization in India. He visited food processing lab to understand food processing considering their nutritional value and suitable process technologies for Indian millet growers.

## Hands-on training for input dealers

A hands-on training-cm-visit was organized on 14 December, 2017 for 17 Agri-input dealers from Telangana and Andhra Pradesh who underwent Plant Protection certificate course at NIPHM, Hyderabad. The main objective of the programme was to expose them with our research activities especially about improved millets production technologies and awareness about various millets-based food products. Dr. Rajendra Chapke, Principal Scientist, IIMR welcomed the trainees and explained the production technologies. The orientation about the institute research and development activities was also given through Audio Video aids.

## Inauguration of Electrical Substation

Inauguration of power distribution sub-station by the Transmission Corporation of Telangana Lim-



ited (TRANSCO) was held at IIMR campus on 16 December, 2017 in the presence of Senior Electrical Engineers and other staff of TRANSCO. Dr. Vilas A Tonapi, Director, IIMR, Dr. K Srinivasa Babu and other scientists participated in this inaugural function. The foundation stone for this project was laid on 25 January, 2017 aimed to maintain the transmission network to meet the growing power demand and un-interrupted supply in an efficient manner. This station also minimizes power losses and indirectly reduce operational costs of power generators.

## Millet Stall at Raichur

ICAR-Indian Institute of Millets Research, organized an exhibition stall on millets value added products during Farmers' Day organized at University of Agricultural Sciences-Raichur during 7-8 December, 2017 More than 500 farmers and students visited the stall. The visitors showed keen interest on the innovative food products developed from sorghum and other millets. The importance of millets, health and nutritional benefits briefed to the visitors and relevant literature was distributed. The technical team of NIELAN project coordinated the IIMR stall activities.

## AC & ABC Training concludes at ICAR-IIMR

ICAR- IIMR successfully completed the organization of the Two Months Training Program of Agri-Clinic and Agri-Business Centre scheme from 26 October 2017 to 24 December, 2017. Valedictory ceremony of program was held on 24th December at ICAR-IIMR, Dr. Sarvanan Raj, Director, MAN-AGE, Hyderabad was the Chief Guest and motivated the trained prospective entrepreneurs to deliver extension services to farming community. Dr. Sangappa, Nodal Officer of the Scheme presented

the Two months Training report and activities organized under the scheme. Dr. Vilas A. Tonapi, Director, IIMR conveyed his best wishes to all the participants, while he was on his official tour to Ethiopia. In the beginning About 12 Trainees who were successfully trained in Agriculture and allied enterprises prepared Detailed Project Reports (DPRs) and submitted to bank for availing loan to start their enterprise.

## Consultancy Training / Workshop organized

One-day consultancy Training and Workshop on “Digital Field book” was held, on the invitation of Bayers Bio-Science Private Limited for their employees at Chandippa Village, Shankarpally Mandal, Hyderabad on 12 December 2017. Dr. M Elangovan was the Course Coordinator.

## Resource person / lectures.

The following lectures were delivered by **Dr. M Elangovan** in month of December 2017.

- Lecture delivered on “Indian Biodiversity” during the “Agricultural Education Day 2017” at ICAR-Indian Institute of Millets Research, Hyderabad, on 4 December 2017.
- Lecture delivered on Digitalization of DUS traits in Agricultural Crops’ during the Awareness Training programme on “Protection of Plant Varieties and Farmers’ Rights”, held at ICAR-National Institute of Abiotic Stress Management (NIASM), Malegaon, Baramati on 6 December 2017.
- Lecture on Digital data collection methods and market survey through android app delivered at Agri-entrepreneurship Development Training programme on Agri-Clinics and Agri-Business Centre (AC&ABC) Scheme at ICAR-Indian Institute of Millets Research (IIMR), Rajendranagar, Hyderabad on 21 December 2017.

## Visitors

### Dignitaries

**Prof. VS Pahil**, National consultant , NFSM , DAC, New Delhi , **Dr. Subhash Chandra**, Director i/c,



DMD, Jaipur visited IIMR on 20-21 December 2017 to discuss formulation of proposal for sub-mission on nutri-cereals (Millets) under National Food Security Mission, GoI. They also visited CoE- Sorghum. Dr. B Dayakar Rao, Dr. B Venkatesh Bhat, and C Sangappa discussed details of the proposal for the promotion of millets.

**Dr. PG Chengappa**, former vice-chancellor, UAS, Bangalore and Director, Tata Coffee Pvt. Ltd., visited IIMR and interacted with scientists on 5 Dec, 2017. The discussion centred on promotion of millets as nutricereals, doubling of farmer’s income, value addition, export of millets, etc. Dr. Chengappa advised on working on innovative products



and creative marketing for taking the millets to the global centre-stage.

**Dr. BR Athani**, CEO, Future Green safe foods, Bagalkot, visited IIMR on 26 December, 2017. He met the Director, IIMR and discussed on enabling mil-



let based integrated farming and linking them to market while establishing the value chains.

### Students

A group of 24 B. Tech (Food Tech) students from College of Agriculture, UAS, Dharwad visited IIMR on 16 Dec 2017 as a part of their educational tour to Hyderabad. Dr. RR Chapke, addressed the students and talked on the importance of sorghum and millets and its value addition. They also visited Centre of Excellence (CoE) to familiarize with the transfer of technology in sorghum and millet value added food products.

**राजभाषा कार्यान्वयन समिति की बैठक** : डॉ. विलास ए टोणपि, निदेशक, भाकअनुसं, हैदराबाद की अध्यक्षता में 27 दिसंबर, 2017 को राजभाषा कार्यान्वयन समिति की 43वीं बैठक का आयोजन किया गया। बैठक में डॉ. आई के दास, प्रधान वैज्ञानिक एवं प्रभारी अधिकारी-पुस्तकालय, श्री चार्ल्स एक्का, वरिष्ठ प्रशासनिक अधिकारी, श्री ए नरसिंह मूर्ती, वित्त एवं लेखा अधिकारी (सदस्य) तथा डॉ. महेश कुमार, वरिष्ठ तकनीकी अधिकारी (राजभाषा) (सदस्य-सचिव) उपस्थित थे। बैठक के दौरान संस्थान में राजभाषा कार्यान्वयन हेतु अपेक्षित कार्यों पर चर्चा की गई।

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

S. No	Name of the Official	Participated in	Type	Venue	Dates
1	B Subbarayudu	International Workshop on "Integrated Management of Root-Lesion Nematodes" organized by the University of Southern Queensland, Australia	W	NIPHM, Hyderabad	11 Dec., 2017
2	P Sanjana, KN Ganapathy & OV Ramana	Training Programme on Multivariate Data Analysis	T	ICAR - NAARM, Hyderabad	14-20 Dec, 2017
3	Dr. Vilas A Tonapi	Workshop on Breeding Management System	W	Debre Zeyit, Ethiopia, Africa	14-21 Dec, 2017

### Thought for the month

*What lies behind us and what lies before us are tiny matters compared to what lies within us.*

-Ralph Waldo Emerson



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