



Happenings at DSR, and AICSIP news

Serial No. 82

Hyderabad ■ Solapur ■ Jalna

July, 2010

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Research Advisory Committee meeting

The 11th Research Advisory Committee (RAC) meeting was held at DSR during 30 - 31 July 2010 under the Chairmanship of Dr. S Raghuvardhan Reddy, Former Vice-Chancellor, ANGRAU, Hyderabad. ICAR was represented by



The XI RAC meeting in progress

Dr. RP Dua, ADG (FFC). Other distinguished members present were: Dr. Sithanatham, Ex- Entomologist, ICRISAT and Ex-FAO expert in Africa, Dr. HP Singh, Ex-Director (CRIDA), SV Rao, Acting Director DSR and Dr. HS Talwar, Member-secretary. Dr. SV Rao highlighted the progress made at DSR during 2009-10, and projected plan for sorghum Research and Development, which was fully supported by relevant documents submitted to the committee. The task-force leaders presented the progress, achievements and expected outcome from their projects. There were special presentations on documentation and registration of genetic stocks, network projects under AICSIP, collaborative project of ICAR-ICRISAT and NAIP projects. All scientists participated in the deliberations. The Chairman appreciated the overall efforts being made in developing new programme. The members were delighted to note increased number of quality research publications and recognitions to scientists at DSR. The minutes are being finalized.

समाचार सारांश

अनुसंधान सलाहकार समिति की बैठक : ज्वा.अनु.नि. में डॉ. एस रघुवर्धन रेड्डी, भूतपूर्व कुलपति, आचार्य एन जी रंगा विश्वविद्यालय, हैदराबाद की अध्यक्षता में 30-31 जुलाई 2010 के दौरान अनुसंधान सलाहकार समिति की 11वीं बैठक संपन्न हुई। डॉ. आर पी दुआ, सहायक महानिदेशक (खाद्य एवं चारा फसल) ने भा.कृ.अन.प. का प्रतिनिधित्व किया।

संस्थान प्रबंधन समिति की बैठक : संस्थान के कार्यकारी निदेशक की अध्यक्षता में 31 जुलाई 2010 को ज्वा.अनु.नि.; हैदराबाद में संस्थान प्रबंधन समिति की 20वीं बैठक का आयोजन किया गया।

क्रिस्म पहचान समिति की बैठक : डॉ. आर पी दुआ, सहायक महानिदेशक (खाद्य एवं चारा फसल) भा.कृ.अन.प.; नई दिल्ली की अध्यक्षता में 31 जुलाई 2010 को क्रिस्म पहचान समिति की बैठक आयोजित की गई। समिति द्वारा विभिन्न क्षेत्रों के 8 प्रस्तावों की समीक्षात्मक जांच की गई।

ज्वार प्रसंस्करण प्रयोगशाला का उद्घाटन : डॉ. बंगाली बाबू, राष्ट्रीय निदेशक, रा.कृ.न.प. ने डॉ. एस वी राव, कार्यकारी निदेशक, ज्वा.अनु.नि. तथा अन्य लब्ध-प्रतिष्ठ विद्वानों की उपस्थिति में 7 जुलाई 2010 को ज्वार प्रसंस्करण प्रयोगशाला का उद्घाटन किया।

सर्वश्री गुव फूड्स के साथ सहमति-पत्र : ज्वार आधारित खाने को तैयार खाद्य-पदार्थ तथा अर्द्ध-प्रसंस्कृत खाद्य-पदार्थ जैसे पास्ता एवं वर्मिसेल के उत्पादन तथा विपणन के लिए 7 जुलाई 2010 को ज्वा.अनु.नि. तथा सर्वश्री गुव फूड्स के द्वारा सहमति-पत्र पर हस्ताक्षर किए गए।

रा.कृ.न.प. की विवरणिका (संशोधित संस्करण) का विमोचन : डॉ. बंगाली बाबू, राष्ट्रीय निदेशक, रा.कृ.न.प. द्वारा 07 जुलाई 2010 को *क्रिएशन ऑफ डिमांड फॉर मिल्लेट्स फूड थ्रू पीसीएस वेल्थ बैंक* पर नई विवरणिका का विमोचन किया गया।

कागज बनाने हेतु गूदे के रूप में ज्वार : *युज ऑफ सोरघम फॉर पल्प एंड पेपर मेकिंग* पर प्रस्तावित संयुक्त परियोजना पर चर्चा करने के लिए डॉ. चारी अप्पाजी, प्रधान वैज्ञानिक ने 20 जुलाई 2010 को सीपीपीआरआई, साहरनपुर, उ.प्र. का दौरा किया। सीपीपीआरआई के निदेशक ने इस प्रस्ताव में अत्यंत रुचि दिखाई।

पदोन्नति : कैरियर प्रगति योजना के अंतर्गत कृषि वैज्ञानिक चयन मंडल की सिफारिश पर परिषद द्वारा डॉ. सीएच शशिधर रेड्डी को वरिष्ठ वैज्ञानिक से प्रधान वैज्ञानिक के रूप में पदोन्नत किया गया। उन्हें *हार्दिक बधाई!*

डॉक्टर उपाधि : श्री डी बालकृष्णा, वैज्ञानिक (व.वे.) को 16 जुलाई 2010 को जे.एन.टी.यू. विश्वविद्यालय, हैदराबाद द्वारा डॉक्टर की उपाधि प्रदान की गई। उन्हें *हार्दिक बधाई!*

श्री डी चन्द्रशेखर रेड्डी को 08 जुलाई 2010 को जे.एन.टी.यू. विश्वविद्यालय द्वारा जैवप्रौद्योगिकी में डॉक्टर की उपाधि प्रदान की गई। उन्हें *हार्दिक बधाई!*

सम्मान एवं मान्यता : डॉ. एम एलंगोवन, वरिष्ठ वैज्ञानिक, ज्वा.अनु.नि. ने भा.कृ.अनु.प. के 9 अन्य वैज्ञानिकों के साथ *प्लांट वेराइटी प्रोटेक्शन एंड डस टेस्टिंग* पर अंतर्राष्ट्रीय प्रशिक्षण हेतु 28 जून -09 जुलाई 10 के दौरान नेशनल इंस्टिट्यूट ऑफ एग्रीकल्चरल बोटनी, कैम्ब्रिज, यू.के. का दौरा किया।

डॉ. विलास ए टोणपी, प्रधान वैज्ञानिक, ज्वा.अनु.नि. ने 08 जुलाई 2010 को *प्लांट ब्रीडिंग एंड जिनीमिक* पर आयोजित राष्ट्रीय सम्मेलन के दौरान *इंटलेक्चुअल प्रॉपरटी राइट्स* सत्र की अध्यक्षता की।

हिंदी सारानुवाद : डॉ. महेश कुमार

Institute Management Committee (IMC) meeting

The 20th Institute Management Committee (IMC) meeting was held at DSR on July 31, 2010 under the chairmanship of Dr. SV Rao, Acting Director. ICAR was represented by Dr. RP Dua, ADG (FFC). Other members of IMC present were: Drs. KS Varaprasad, Ch. Srinivasa Rao, PS CRIDA, D Rama Rao, NAARM, MS Raut, Sh. NVRN Murty, AFAO and Sh. G Krishna, AO, Sh. W Srinivasa Bhat, AAO (Est), and A Venkateshwar Rao, AAO (Stores). Dr. M Elangovan, Sr.



The XX IMC meeting in progress

Scientist was the special invitee. All the issues related to administration, finance, works, commercialization and plan expenditure were reviewed. The minutes were sent to the Council for approval.

Varietal Identification Committee meeting

The Varietal Identification Committee meeting was held at DSR on 31 July, 2010 under the chairman ship of Dr. RP Dua, ADG (FFC), New Delhi. The other members present were: Drs. K Yellamanda Reddy, Director of Research, ANGRAU, M Ganesh, Head Plant Breeding, ANGRAU, DR Gurumukhi, Director, Dir. Of Oil seeds Development, Dr. Ramesh, Regional Manager, NSP, Y Yogeshwar Rao,



Dr. RP Dua, ADG(FFC) making a point during the VIC meeting

Executive Director, Vikkys Agriscienices, Hyderabad. All the PIs of various disciplines of AICSIP viz. Drs. S Audilakshmi (Breeding), MS Raut, (Agronomy), SS Rao (Physiology), VR Bhagwat (Entomology), Ashok Gadewar (Pathology) and C Aruna (Forage) also participated in the deliberations. The committee critically examined 8 proposals for different zones. The proceedings are posted at our website.

Inauguration of Sorghum Processing Lab

A Sorghum processing lab was inaugurated on July 7, 2010 by Dr. Bangali Baboo, National Director, NAIP in the presence of Dr. SV Rao, Acting Director, DSR, Dr. B Dayakar Rao, CPI. Other dignitaries who graced the function include

Dr. Viraktamath, Director, DRR, representatives from local



Dr. Bangali Babu inaugurating the sorghum food processing lab

ICAR institutions such as CRIDA, DOR, PDP, ICRISAT and CoPI's of the sub-project and other DSR staff members. The Sorghum processing Lab was built under the NAIP Sub-Project on "Creation of demand for millets foods through PCS value-chain. This lab is first of its kind exclusively meant for processing sorghum foods. It is equipped with an extruder, flaking machine, semolina maker, biscuit maker, multigrain roti making machine besides primary processing unit. The processed sorghum foods such as semolina, flakes, pasta, vermicelli can be made besides multigrain rotis in bulk quantity. Dr. Bangali Baboo appreciated the efforts of the NAIP team for pilot test production of various food products using modern equipment and commercialization of good quality sorghum products.

Release of NAIP brochure

New brochure on "Creation of demand for millets foods through PCS value-chain" was released by Dr. Bangali Baboo, National Director, NAIP at DSR on July 7, 2010 in the presence of Dr. SV Rao, Acting Director, DSR, Dr. B.



Dr. Bangali Babu releasing a book on "Creation of demand for millets foods through PCS value-chain"

Dayakar Rao, CPI and partners of the sub-project including Shri K Nirmal Reddy, ITC and Dr TV Hymavathi, ANGRAU. The revised brochure consists of objectives, technical programme, outputs, deliverables, innovations, and plan of phasing schedules. It also comprises technical progress made so far.

MoU with M/s GUV foods, Hyderabad

An MoU was signed between DSR and M/s GUV foods,

Hyderabad on July 7, 2010 for production and marketing of sorghum based ready-to-eat foods and semi-processed extruded items like pasta and vermicelli. This MoU was signed in the presence of Dr. Bangali Baboo, National Director, NAIP. Dr. SV Rao, Acting Director, DSR and Smt. Gutta Usha, Managing Director, GUV Foods signed the MoU. Dr. B. Dayakar Rao, will monitor this business tie-up. The MoU was vetted by the IPR cell at DSR by Drs. Vilas A Tonapi and M Elangovan.

Visit of FOCARS batch of ARS Scientists

Thirty eight newly recruited ARS scientists of ICAR belonging to 91st FOCARS batch from the NAARM visited DSR on July 7, 2010 to get exposure about the sorghum research and developments, as a part of their curriculum. Dr. SV Rao, Acting Director briefed them on the institute's research activities and sorghum scenario. It was followed by interactions with the scientists where they could clarify their doubts. Drs. S Audilakshmi, VR Bhagwat, Sujay Rakshit and AV Umakanth explained regarding the project activities. They showed interest in alternative uses of sorghum, sweet and forage sorghums. They also visited the laboratories. Relevant literature was also provided on latest improved technologies and different sorghum food products. This visit was coordinated by Dr. RR Chapke and Sh. Pramod Kumar of Agricultural Extension Unit.

Road shows to promote jowar foods

As a part of continuous promotional activity of Jowar products under NAIP subproject "Creation of demand for millet foods through PCS value-chain," road-shows were



Brisk sale of sorghum based products seen at the road shows

organized at KBR Park, Hyderabad. Hot and delicious Jowar recipes such as *Idly*, *upma* and *dosa* were served to the public through counters. The theme of the event was to create awareness about sorghum, and communicating the propositions of nutritional benefits. These shows received overwhelming response from the public. NAIP team comprising Kiranmai, Shailaja, Pavan Kumar, Ashok, Sandeep and Padma actively participated in this event. Mr. P Mukesh and Smt. Vishala AD organized these road shows and overall coordination was made by Dr. B Dayakar Rao.

Sorghum as pulp for paper making

Dr. Chari Appaji, Principal Scientist visited CPPRI, Saharanpur, Uttar Pradesh on 20 July 2010, for discussion on the proposed joint project on "Use of sorghum for Pulp and Paper Making". Dr. PM Mathur, Director, CPPRI, expressed keen interest to have a joint collaboration between DSR and CPPRI. He felt that the association will go a long way in not only finding an alternative source of raw

material which could reduce the cost of production of making pulp and paper but also improving the socio-economic conditions of the farmers through enhanced cultivation of high biomass sorghum suitable for paper making in the country. He extended all possible assistance in the implementation of the project. The road map for the implementation of the project was formulated. It was concluded that DSR will test its high biomass yielding sorghum cultivars in the region and CPPRI will evaluate the same cultivars for their suitability for pulp and paper making. DSR during the kharif season 2010 would undertake planting and management of 10 high biomass cultivars at Saharanpur, and evaluate the same for growth and yield parameters while CPPRI will evaluate the selected high bio-mass sorghum for their suitability in paper making.

Promotion

Based on the recommendations of the ASRB **Dr. Ch. Sashidhar Reddy**, Senior Scientist was promoted to the post of Principal Scientist through the career advancement scheme. *Congratulations to Dr. Sashidhar Reddy!*



Ph. D awarded

D Balakrishna, Scientist (Biotechnology) was awarded Doctorate in Biotechnology on 08 July 2010 by JNTU, Hyderabad. He did his doctoral work on "Agrobacterium-mediated genetic transformation of sorghum (*Sorghum bicolor* (L.) Moench) using synthetic *Bt* gene". He was guided by Dr. N Seetharama, former Director, DSR. *Congratulations to Dr. Balakrishna.*



D Chandrasekara Reddy, Research Associate, was awarded Doctorate in Biotechnology, on 8 July 2010 by JNTU, Hyderabad. His doctoral work was on "Morphological and molecular characterization of elite sorghum (*Sorghum bicolor* (L.) Moench genotypes)". He was guided by S Audilakshmi, Principal Scientist, DSR (Guide) and N Seetharama former Director, DSR (Co-guide). *Congratulations to Dr. Chandrasekara Reddy.*



Recognitions



Dr. M Elangovan, Senior Scientist, DSR visited National Institute of agricultural Botany, Cambridge, UK along with nine other ICAR scientists to undergo international training on "Plant variety protection and DUS testing" for Indian experts from 28 June - 9 July, 2010.

Dr. Vilas A Tonapi, Principal Scientist, DSR chaired the session on "Intellectual Property Rights" at the 3rd National Congress on Plant Breeding and Genomics on 8 July, 2010. He presented an invited paper on "Essential derivation of varieties: the imminent challenges to Indian Plant breeders". He also delivered two invited lectures on "Indian seed industry - the past, present and future" and "Maintenance of breeding in crop plants".

Meeting (M)/ Symposia (S)/Workshop (W)/ Training (T) / Conference (C) attended

S. No	Name of the Official	Participated in	Type	Venue	Dates
1	M Elangovan	International training programme on "Plant variety protection and DUS testing for Indian experts"	T	NAIB, Cambridge, United Kingdom.	28 June - 9 July, 2010
2	Vilas A Tonapi	Meeting on Seed supply	M	KSSC, Bangalore	6 July, 2010
3	Vilas A Tonapi	3 rd National congress on "Plant breeding and genomics"	C	TNAU Coimbatore	7-9 July, 2010
4	B Dayakar Rao	"Advances in Food Processing" Food Conference 2010 organized by CII	C	Chennai	8-9 July, 2010
5	Vilas A Tonapi	Advanced training in "Seed Technology"	T	Barwale, Knowledge centre, Jalna	12-13 July, 2010
6	SV Rao	ICAR's Directors Conference	C	NAAS complex, New Delhi	12-16 July, 2010
7	V Anjaneyulu D Rama Raju VSG Parvathi G Ambujam NK Durga & Ch. Suresh Kumar	Training programme on "Establishment and Financial Matters"	T	NAARM, Hyderabad	12-21 July, 2010
8	D Balakrishna	Meeting on "Interactive session on Biotechnology research in the ICAR"	M	ICAR, New Delhi	26-27 July, 2010

Official Tours

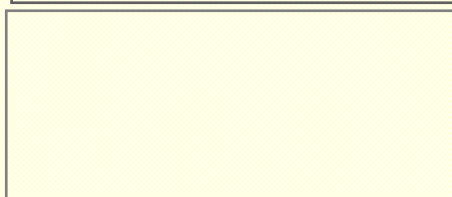
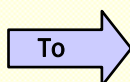
S. No	Name of the Official	Place Visited	Dates	Purpose
1	Chari Appaji	Central Pulp and Paper Research Institute, Saharanpur (UP)	18-22 July, 2010	Discussion on project "Use of sorghum for pulp and paper making"
2	B Dayakar Rao	Kolkatta	22-23 July, 2010	To participate in Brand Conclave
3	Vilas A Tonapi	Dharwad	26-29 July, 2010	Monitoring of sorghum ergot screening experiment and to conduct viva-voce of Ph. D student in seed technology of UAS, Dharwad.

Thought for the month

Death comes to all, but great achievements build a monument which shall endure until the sun grows cold.

Ralph Waldo Emerson

Printed Matter / Book Post



Compilation, Editing & lay-out :

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Sh. K Sanath Kumar & Sh. HS Gawali

Chief Editor & Publisher:

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