



Central Institute of Post Harvest Engineering & Technology Ludhiana

OUR SLOGAN: PRODUCE, PROCESS AND PROSPER

**CIPHET E - Newsletter for September 2011
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Director's Column



Dear All

An exhibition on showcasing of agriculture technologies was organized on 28th September 2011 under NAIP Sub-Project "Mobilizing Mass Media Support for Sharing Agro Information". The exhibition was represented by food processing industries, State Agricultural and Veterinary Universities, ICAR institutes and NABARD etc. The innovative farmers also displayed their products/ technologies at the event.

A "National Farm Innovators Meet" was organized on 5th September, 2011 to provide a common platform to farmers doing innovations in post harvest technology across the country.

CIPHET participated in Kisan Mela held at Punjab Agricultural University, Ludhiana on 22-23 September 2011. The visitors took keen interest in CIPHET developed technologies and products.

The Institute celebrated 14 days Hindi fortnight (Hindi Pakhwara) by conducting various competitions to promote the national language.

The technology of soya milk and paneer was transferred to two entrepreneurs of Punjab.

With best regards

**R.K. Gupta, FIE
Director (Acting)**

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CIPHET Organized Exhibition for Showcasing Agricultural Technologies

A regional level exhibition on showcasing of agriculture technologies was organized by Central Institute of Post Harvest Engineering and Technology (CIPHET) on 28th September 2011, under NAIP Sub-Project “Mobilizing Mass Media Support for Sharing Agro Information”. The Vice-Chancellor, Dr B S Dhillon, Punjab Agricultural University, Ludhiana was the chief guest on this occasion. At the inaugural function, he informed that decreasing landholdings has made agriculture less profitable for majority of farmers and their children are forced to look for other avenues of employment. He expressed concern on low level of processing and value addition of fruits and vegetables prevailing in the country. Only 2.2 percent of fruits and vegetable production is processed for value addition in India as compared to 30% in Thailand and 80% in Phillipines and Malaysia. He suggested that CIPHET and PAU should work together for developing and standardizing various useful technologies.



The exhibition was represented by top food processing industries including Adani Agri Logistics Ltd, Cremica Industries Ltd, Ricella Health Foods Ltd, True Milk, Kashmir Apiaries, Punjab Agricultural University, PAU Kisan Club, Guru Angad Dev Veterinary & Animal Science University, ICAR institutes like Indian Agricultural Research Institute (IARI), New Delhi, Directorate of Wheat Research (DWR), Karnal, Central Potato Research Institute (CPRI), Shimla. Besides, financial institutes like NABARD, Punjab & Sind Bank, Punjab National Bank and innovative farmers also displayed their products/ technologies.

Dr R.K Gupta, Director, CIPHET said that CIPHET always try to work in close collaboration with farmers and industry for development of technologies. He also told that value addition could help to great extent for maintaining profitability in agriculture.

Dr Deepak Raj Rai, Head, Transfer of Technology Division, said that the main purpose of the exhibition was to bring industry, ICAR institutes, agriculture universities and innovators of farm technologies under one roof, so that farmers/entrepreneurs could get maximum benefit. Dr M.S Gill, Director Extension, PAU, said that post harvest sector was very crucial for increasing income of farmers.

Dr Sangeeta Chopra, Senior Scientist, coordinated the event and other senior members of CIPHET faculty were also present on the occasion. Visitors showed keen interest in processing of aonla and aloe-vera using portable multipurpose processing unit. Dr S.R Verma, Ex-Dean and Professor PAU, Dr R.K Mahey, Registrar, PAU, and Dr S.K Nanda, Project Coordinator (PHT) were also present on the occasion.

CIPHET Organized One Day National Farm Innovators Meet

Aiming to provide a common platform to innovative farmers in post harvest technology across the country, Institute organized first 'National Farm Innovators Meet' on 5th September, 2011.

This meet was inspired and conceived by the Secretary DARE and DG (ICAR), Dr. S. Ayappan, for bridging the gap between scientists and innovative farmers so that they can learn from each other. Dr R P Kachru, Former ADG (Process Engineering), who has vast experience in post harvest research, was the chief guest on the occasion. The program was represented by 48 farmers from states like Punjab, Haryana, Kerala, Himachal Pradesh, Gujarat, Bihar, Jammu and Kashmir, Uttar Pradesh, Uttarakhand, Jharkhand and Odisha. The farmers gave power point presentations besides displaying their samples in the exhibition hall of CIPHET. The farmers explained their technologies in the field of agro-processing, value addition, farm structures, shelters and reduction of post harvest losses.



Dr D. R. Rai, Head (TOT) who coordinated this national level meet, said that a farmer is also a scientist as he keeps experimenting on his fields, and the first hand experience of the farmers is very unique experience. He also told the gathering that CIPHET will endeavour to provide all possible support to the farmers to solve their problems. He advised the farmers to encourage rural youth to take up agro-processing and value addition in rural areas to enhance their income and employment. This meet opened up new avenues for collaborative research between farmers and scientists and further improvements of technologies developed by the farmers on their own level. Dr R.K Gupta, Director, CIPHET told that the meet provided a unique platform to both farmers and scientists.

Hindi Fortnightly Celebration at CIPHET

The institute organized 14 day Hindi fortnightly celebration by conducting various competitions to promote the national language.

Lighting the lamp to mark the occasion, Dr R.K Gupta said, "There is no better language than Hindi which connects the country," he said, advising everyone to use the national language to maximum extent. Suggesting on programmes to be conducted in Hindi fortnightly celebrations, he said that experts from outside could be called to judge various competitions.



Dr Deepak Raj Rai, Head Transfer of Technology Division, said that we should take pride in use of our national language. "In Japan not more than two percent of their population know

English, still they have progressed a lot and do business with entire world," he added. Dr S.K Nanda, Project Coordinator (PHT), said that simple Hindi words should be used for making it understandable to maximum people. Dr S.N Jha, Head AS&EC division lamented that Hindi had failed to attain national language status. Dr Sangeeta Chopra, Senior Scientist coordinated the inaugural session and Sh.B.C Katoch, Assistant Administrative Officer proposed a vote of thanks. During the Hindi Pakhwara, competitions of typing, essay writing, poster presentation, noting & drafting, debate, poem recitation, scientific discussions, quiz etc., were held.

14-28 September 2011 Hindi Pakhwara

14-28 September 2011 Hindi Pakhwara was held at Punjab Agricultural University, Ludhiana. The inauguration was held on 14-09-2011 at 11:00 AM. The inauguration was presided over by Dr S.K Nanda, Project Coordinator (PHT). Dr S.N Jha, Head AS&EC division, Dr Sangeeta Chopra, Senior Scientist, Sh.B.C Katoch, Assistant Administrative Officer, and Dr R.K Gupta, Director, CIPHET were present. The inauguration was held in the presence of a large number of officials and staff members. The inauguration was held in the presence of a large number of officials and staff members.



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CIPHET Stall Attracted Visitors at PAU Kisan Mela



CIPHET participated in Kisan Mela held at Punjab Agricultural University, Ludhiana on 22-23 September 2011. The visitors took keen interest in CIPHET technologies like banana comb cutter, hand held pomegranate aril extractor, groundnut decorticator, maize cob sheller, extruded and ready-to-eat products from pearl millet and barely (barley daliya, pearl millet pasta/halwa/upma).

The farmers were also willing to get training and licensing of these technologies. There was an increase in interest of farmers towards food processing sector and value addition. The mela was attended by Dr Indu Karki, Scientist and Sh. O.P Moondan, Technical Officer from Transfer of Technology Division. Dr Deepak Raj Rai, Head Transfer of Technology Division, said that farmers were also realizing that without value addition their income level could not be enhanced. Dr R.K Gupta, Director, CIPHET said that the need of hour is to promote value addition through food processing and this will eventually also reduce post harvest losses.

Entrepreneurs Visited CIPHET, Ludhiana

Mr. N. Nagendra Rao from Saubhagya Industries, Guntur, Andhra Pradesh visited the pearl millet processing facilities at CIPHET and showed keen interest in the processing of pearl millet. They were



shown the latest equipments being used for pearl millet processing. They appreciated the products developed from pearl millet such as extrudates, pasta, upma dry mix and halwa dry mix.

Technology Transferred

The technology of Soya Milk and Paneer was transferred to Mr. Paramdeep Singh S/o Sh. Gurcharan Singh, VPO. Talwandi Khurd, Teh. Jagraon, Dist Ludhiana and Mr. Jasbir Singh S/o Sh. Ajaib Singh, Vill. Begowal, Teh. Malerkotla, Dist Sangrur on 14th September, 2011.



Registration/patent

- Jha S N, Narsaiah K, Jaiswal P, Kumar R (2011). Method of predicting maturity stage and eating quality of Indian mangoes using near infrared spectroscopy-Application no 2796/DEL/2011.
- Jaiswal P, Jha S N, Narsaiah K, Bhardwaj R, Sharma R, Kumar R, Singh A kumar, Kaur P P (2011). The sequence of 65 bacteria isolated from mangoes surface submitted to NCBI. The work was done under the project “Development of non-destructive system for evaluation of microbial and physico-chemical quality parameters of mango” sanctioned under NAIP.

Awards/honors

Dr. S N Jha, Head, Agricultural Structures & Environmental Control Division was elected as Fellow of Institution of Engineers (India) *w.e.f.* 28.07.2011.

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