



Indian Society of Agricultural Engineers

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A Professional non-profit organization established in 1960 aimed to promote and encourage the profession of Agricultural Engineering and to advance the standard of Agricultural Engineering in the areas of Research, Development and Education.

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Editors Column

Dear All

All our members must be eagerly waiting for the forthcoming ISAE convention to be held at Pantnagar. The executive committee at its meeting held on 20-10 -2011 had reviewed the progress and expressed satisfaction. Our congratulations to Dr. Jayas for being elected as President of the Agricultural Institute of Canada for the year 2011-2012 and to Dr D.M Kadam for BOYSCAST Fellowship. We are sorry hear about the sad demise of our honoured member Prof. V V N Murty on Sept. 14, 2011. Dr. Pannu attended Annual International Meeting of ASABE in Louisville, Kentucky, USA and had interaction with international members of ISAE.

The Coimbatore chapter as usual is leading in the activities and this time they organised a lecture by Dr. K. S. Ganeshan, Director General, Training Co-ordination, Gopabandhu Academy of Administration, Bhubaneswar, Govt. of Orissa. This chapter also successfully conducted a National Seminar on “Emerging Technologies in Food Processing for Ensuring Food safety and Quality” during October 14-15, 2011. In the history of grain storage flat temporary grain storage has been covered and farmer innovator is Mr. Dharamvir Singh who has developed a composite machine that can process herbs to extract juice and residue is suitable for making candy, sweets and other items.

The upcoming events which members would like to attend are International Conference of Agricultural Engineering CIGR Ageng 2012, National Seminar at ISAE HP (Palampur) Chapter during November 16 to 17, 2011 at CSKHPKV, Palampur, National Conference with the theme: ‘Challenges of the 12th Five - year Plan - Role of Engineers and Technologists’ on November 28, 2011 at Scope Convention Centre, Core-8, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110003 and our own 46th ISAE Convention at Pantnagar.

With best regards

R. T. Patil

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Message from President

Professor Mason Vaugh is recognized as the father of agricultural engineering in India. In his honour at the General Body meeting at Nagpur on 17.01.2011 ISAE instituted Mason Vaugh Agricultural Engineering Pioneer Awards. This is the highest award given by ISAE. In the search process a number of names emerged. During consultations with many senior agricultural engineers the name of Late Prof. Ralph C. Hay emerged as the unanimous choice to be the first recipient. Prof Hay served as Professor of Agricultural Engineering at the University of Illinois, Urbana-Champaign (UIUC), USA. He was instrumental in establishing agricultural engineering program at I I T Kharagpur (Visiting Professor and Head of Department: 1954-56) and U P Agricultural University (now G B P U A & T), Pantnagar (Visiting Professor and Advisor to Dean: 1962-64). A team of faculty members from UIUC will attend 46th ISAE Convention at Pantnagar. Dr K C Ting, Head Agricultural & Biological Engineering will receive the award on behalf of Late Prof. Hay. Two nominations received for ISAE Gold Medal were discussed with many seniors and have been accepted by the Executive Committee.

You are aware that a committee on ISAE Awards under the chairmanship of Prof B S Pathak did an excellent job of streamlining the awards and making selection process well publicized and transparent. A Committee was appointed to review all award applications. Similarly a Committee on Fellows was appointed to review nominations. The recommendations of both committees have been accepted in total by the Executive Committee in its meeting on 20.10.2011. After completing all formalities the recipients will be informed and requested to attend the 46th Convention to receive their awards.

We would like to thank the ISAE President Search Committee (Dr B S Pathak, Prof M M Mehta and Dr Anwar Alam) for completing its task in time and in identifying Dr V M Mayande, Vice Chancellor, PDKV Akola to be the next ISAE President for 01.04.2012 to 31.03.2015. The process to elect two vice presidents and secretary general has also started and would be completed by January 2012 end and the new team will be introduced at Pantnagar Convention. All members are encouraged to visit www.isae.in regularly for details.

The preparations for 46th Convention and International Symposium on Grain Storage are progressing satisfactorily. You are requested to attend this Convention and join all Pantnagarians to celebrate 50 years of agricultural engineering at Pantnagar. Please complete all formalities within due dates to enable you to attend the Convention. Please use your contacts to convince organizations, business and industry and institutions related to Grain Storage to attend the Symposium. The Executive Committee has decided to invite selected senior agricultural engineers to the Convention and honour them for their services to the profession.

ISAE had to mail a large number of letters to those members who have not given their email address. It costs lot of money and consumes tremendous amount of time. A list of degree granting institutions in Agricultural Engineering & Technology is posted on ISAE website.

Please help us in filling the missing information and give us details of institutions not included in the list. ISAE plans to mail most of its publications (JAE and AET) electronically to save money for its more effective use. I again request all ISAE members to send their email address to ISAE (isae1960@gmail.com) for speedy and efficient communication. I take this opportunity to wish all members a joyous festive season.

Gajendra Singh
President

ISAE Executive Committee Meeting

A meeting of the Executive Committee of the ISAE along with Director (Awards) was held on 24-10-2011 from 11.30 a.m. in the ISAE-HQ at NASC Complex. The following were present:

Prof Gajendra Singh	President
Dr A K Singh	Vice President (Activity Council)
Dr Indra Mani	Secretary General
Dr S K Jha	Secretary
Er B N Arya	Treasurer
Dr V K Sharma	Director (Awards)

To begin with, Prof Gajendra Singh, President ISAE, welcomed all the participants particularly Dr V K Sharma who could spare his valuable time to attend the meeting and present the recommendations of the award committee. The discussion started as per the agenda.

1. Confirmation of the proceedings of the last meeting

The proceedings of the last Executive Committee meeting held on 09-07-2011 were confirmed.

2. Discussion on the recommendations of the award committee: The Executive Committee members unanimously accepted all the recommendations and Secretary General will send the recommendations to members of the Executive Council for their consent. It was also advised that the letters to award winners should be sent at the earliest so that they can participate in the Pantnagar Convention. The awards for the year 2011-12 will be presented at Pantnagar Convention along with the awards of 2010-11.

3. Review of progress in election of new executive

In a personal meeting with the Committee on 26.09.2011 Dr. V. M. Mayande agreed to accept the responsibility as President of ISAE. Dr. V. M. Mayande is presently holding the post of Vice Chancellor, Dr. P.D.K.V., Akola (Maharashtra). He is a Fellow of ISAE, having a meritorious professional record extending over 36 years, keenly interested in ISAE activities, and has great leadership qualities and ability to organize (as demonstrated during the last ISAE Convention). The Executive Committee unanimously accepted the recommendation of the search Committee. The Executive Committee advised the Secretary General ISAE to send the recommendations of the Search Committee to all the Executive Council members for their consent.

4. Election of new Executive Committee (2012-15)

The Executive Council in its meeting held on 09-04-2011 appointed Dr S K Adlakha as Convener, Election Committee for the ISAE Executive Committee Elections 2012-2015. Two other members of the election committee are Dr A K Mishra Senior Scientist WTC and Dr J P Sinha, Senior Scientist Ag Engg Division of IARI. The committee has invited nominations through registered/speed post or courier service for the two positions of Vice President and one position of Secretary General. The details about the election are available on our website: www.isae.in

5. Publication of Journal

The Executive Committee expressed satisfaction on the status of publication of both JAE and AET. Efforts should be made to publish the fourth issue of JAE in time. Before the Convention we plan to publish a special issue containing papers mainly on Grain Storage to be presented at the International symposium and that will be the first issue of 2012.

6. JAE Best Paper Award

During the General Body meeting held at Nagpur on 17.01.2011, the ISAE instituted JAE Best Paper Award. The best four papers will be selected one from each issue. The Executive Committee constituted a committee to review and recommend the JAE Best Paper Award from the four issues of JAE (Vol. 47 No.4 and Vol. 48 No. 1 – 3). The committee is expected to give its recommendations by the end of November, 2011.

7. Review of the progress in preparations of next ISAE Convention

The progress in preparations of next ISAE Convention was discussed. Dr J P Pandey Director Research who is one of the important members of the local organizing committee visited IARI and informed about the progress. Executive Committee felt that a visit of President along with the other members is needed to review the preparation and exhort the organizing Committee. President expressed great satisfaction over the overseas response particularly the team from University of Illinois under the leadership Dr K C Ting. The Executive Committee expressed its happiness to learn that the University of Illinois ADM Institute for the Prevention of Post-Harvest Losses is considering being a Golden Sponsor (Rs 2 Lakh) and the Institute would like to help and participate in organizing a session at this symposium with a title “Post-Harvest Loss Prevention – Challenge and Opportunities”.

8. CIGR and ECI membership

Secretary General informed that the requisite fee of US \$ 500.00 was deposited for national membership of CIGR. The fee for membership of ECI has also been deposited.

9. The Amended Constitution

The Executive Committee recommended to print 200 copies of the amended constitution.

10. Inviting very senior ISAE members to attend ISAE

The Executive Committee decided to invite the following members to attend the 46th ISAE Convention at Pantnagar. The ISAE will bear their TA expenses.

1. Prof. J. S. Bali
2. Prof. A. C. Pandya
3. Dr. A. M. Michael
4. Dr. T. P. Ojha
5. Dr. B. S. Sirohi
6. Dr. B. S. Pathak
7. Dr. S. V. Arya
8. Dr. John P. Zachariah

9. Dr. K. N. Nag
10. Dr. M. L. Taneja
11. Prof. Jaswant Singh

At the end, President whole-heartedly thanked all the participants for their constructive suggestions and support. The meeting ended with thanks to the Chair.

Member News

Dr. Jayas elected President of Canadian Ag Group



Dr. Digvir Jayas, FISAE has been elected President of the Agricultural Institute of Canada for the year 2011-2012 at the AIC Board of Directors meeting held on August 17, 2011. Dr. Jayas joined the Board in 2006 and was re-elected in 2009. He is Vice-President (Research) and Distinguished Professor at the University of Manitoba, and has held a Canada Research Chair in Stored-Grain Ecosystems at the university from 2002-2009. Dr. Jayas was named an AIC Fellow in 2006 and NAAS fellow in 2011.

Dr D.M Kadam (LM 10245) Join ISU Ames as BOYSCAST Fellow



Dr. D.M Kadam, Senior Scientist, Central Institute of Post-Harvest Engineering and Technology, Ludhiana has joined Department of Agricultural and Biosystems Engineering, Iowa State University of Science and Technology, Ames, Iowa (USA) as a BOYSCAST FELLOW (DST, New Delhi, GOI). He will work with Dr. Chenxu Yu on “Bactericidal Nano-functionalized Biodegradable Corn Zein Polymers as Shelf-life Extending Food Packaging Materials” for 12 months. The project will utilize novel bio-nano technology to create a new biodegradable and biorenewable polymer film/ coating which is zein protein extracted from corn.

Dr. Pannu (LM 6978) attended Annual International Meeting of ASABE in Louisville, Kentucky, USA

Dr. C J S Pannu, Sr. Res.Engineer-cum-Coordinator of Research (Engg.), PAU Ludhiana attended the Annual International Meeting of American Society of Agricultural & Biological Engineers (ASABE) at The Galt House Hotel, Louisville, Kentucky state, USA during Aug 7-11, 20011. He presented a paper on “Development of precision planter for cotton crop with variable application rate of fertilizers at different depths” in Session 202 (PM-10A) Advances in Cotton Engineering–Part-1–Sponsored by PM-23/7/3 in Walnut Hall. Dr. Pannu also attended other sessions such as Harvest systems for biomass feedstocks, Conservation tillage systems, Sensors and controls for precision agriculture, Variable rate technology for precision agriculture, Engineering for forage harvest and storage, Reducing agricultural injury risk through ergonomics, ASABE welcome reception, ASABE fellow induction ceremony,

ASABE career fair, Association of Agricultural, Biological and Food Engineers of Indian origin (AABFEIO) meeting, Awards Luncheon etc.



Prof. CJS Pannu in International ASABE meeting

Chapter News – TNAU Chapter

A lecture meeting was organized by the Tamil Nadu chapter of ISAE at Agricultural Engineering College and Research Institute, TNAU, Coimbatore on 03.10.2011. Dr. K.S.Ganeshan, Director General, Training Co-ordination, Gopabandhu Academy of Administration, Bhubaneswar, Govt. of Orissa, delivered a talk on “Strategic Management in Environment and Food Technology”. Dr. Ganeshan in his address highlighted various problems requiring strategic management of the situations related to environment and food. The customized strategies followed were also highlighted. The present scenario of post production and value addition of agricultural produces in the Orissa state were highlighted. Dr.S.Santhana Bosu, Dean, Agricultural Engineering College and Research Institute and President – Tamil Nadu chapter, Dr.R.Viswanathan, Secretary and Dr.B.Sridhar, Treasurer of the local chapter organised the meeting.



Monthly ISAE Meeting at Coimbatore

Foodxplore'11



A National Seminar on “Emerging Technologies in Food Processing for Ensuring Food safety and Quality” was jointly organised by Indian Society of Agricultural Engineers, Tamil Nadu Chapter and Tamil Nadu Agricultural University, Coimbatore during October 14-15, 2011, at Agricultural Engineering College and Research Institute, Tamil Nadu Agricultural University, Coimbatore. This seminar was organised to commemorate the celebration of

World Food Day on 16th October of every year, the day Food and Agricultural Organisation of the United Nations was found in 1945. The theme of the World Food Day for the current year is *Food Prices - From Crisis to Stability*. About 20 scientists / faculty and students numbering around 150 from Tamil Nadu, Andhra Pradesh and Kerala from different institutes attended Foodxplore. The inaugural function was held on October 14, 2011.



Dr.P.Murugesu Boopathi, Vice-Chancellor, TNAU in his inaugural address expressed that Science & Technology has played a key role in transforming the country from a food deficit to a food surplus nation, and from an importer to an exporting country. Mr. Jayatheertha Chary, General Manager, Reliance Retail Ltd., Hyderabad in his Special Address informed that the Indian food industry is estimated at over 200 billion \$. Of this, processed food is only about 30% compared to 65% of USA. Out of which perishable processing is only 6-7% against the world's average of about 70-80%.

Dr. S. Chellamuthu, Dean (Agrl. Engineering) in-charge in his presidential address informed that the vision for 2015 reveals that the market size for processed foods will increase from Rs. 4,600 billion to Rs. 13,500 billion by 2014-15. The share of value added products in processed food consumption will grow from 3% (Rs. 1,800 billion) to 58% (Rs. 7,800 billion). Mr.V.Kumar, General Manager, Food Specialists Ltd., Dubai and Mr. Dharmesh P. Gala, National Product Manager, Anton Paar India Pvt. Ltd., Mumbai offered their felicitations. Dr.R.Viswanathan, Professor & Head, Dept. of Food and Agrl. Process Engineering welcomed the gathering. Dr.N.Varadharaju, Professor & Head, Post Harvest Technology Centre proposed a vote of thanks.

During the two days seminar about 30 research papers, 45 posters and 5 models were presented. A quiz programme related to food was organised. Dr.Helmut Weidlich, Institut Prof. Dr. Georg Kurz GmbH, Köln, Germany, delivered a talk on “Unresolved Issues for Food Safety in Europe with possible Parallels in India” in the valedictory session held on 15 October 2011. Dr.P.Subbian, Registrar, TNAU delivered valedictory address and distributed the prizes to the winners of various events.

History of Grain Storage

Flat Grain Storage



Flat Grain Storage are quickly becoming the most popular and cost-effective way for temporary storage of food grains in western countries. These are modular flat grain storage bunkers. Our grain bunkers offer up to 5 million bushels of very economical corn, wheat, canola and other grain storage. Precast exterior concrete walls from 5' to 19' high in the product storage area. The optional aeration system has Z shaped tubes that connect through the wall to be flush with the

floor and strong enough to support the grain pressure. The grain exerts high pressure on walls, and unless the building is designed to withstand the pressure of grain or other granular products, it will need to be reinforced with panels. Even if grain is dry when it is moved into flat storage, it still needs to be aerated to maintain grain temperature to reduce mold and insect activity.

Farm Machine for the Month

Maize thresher



In India now large-scale production of maize is picking up. The seed companies are promoting high protein and hybrid maize and hence need for maize sheller cum husker is felt more. This machine consists of a bevel gear fixed adjacent to a shelling disc, which pulls the cobs inside, while a spring loaded tongue which is provided above the bevel gear holds the cob tight against the shelling disc. The beating and shearing action of the cast iron projections present in the rotating shelling disc accomplish shelling. The empty cob is thrown out by the force of rotation of the shelling disc. The shelled kernels with dust are passed through an air stream produced by a blower, which separates the kernels. The cleaned kernels are collected at the bottom.

The overall dimensions of the machine were 680 x 390 x 1100 mm, Capacity: 500 kg of cob/h and power required of about 1 hp electric motor. The cost of the machine is Rs.25,000/- and cost of operation works out to Rs.10/h. The machine is suitable for de-sheathed maize cobs and has efficiency of 95%.

Farmer Innovator

Dharamvir Singh



Mr. Dharamvir Singh from Haryana has developed a composite machine that can process herbs to extract juice; residue is used for making candy, sweets and other items. Mr. Singh belongs to Damla village in Haryana's Yamunanagar district and earns a couple of lakhs per month and employs nearly three dozen women because of his development of a portable multipurpose processing unit. The unit is capable of processing various herbal plants to extract items like gels and juices and was on display at an exhibition organized by the Central Institute of Post Harvest

Engineering and Technology in Sept 2011. The machine has components like a cooker, grinder, mixture, processor and juicer. The machine is capable of processing around 200 kg of herbal products and fruits in an hour. Mr. Dharamvir Singh also started growing aloe vera and amla on two acres of his ancestral land and through the machine, prepared juice, gel, shampoo and sweets from aloe vera and amla. He has employed 35 women for his business and also sells units of the machine. He has sold 65 units so far one even got exported to Kenya. He even trains buyers on how to use it. He earns about Rs. 24 lakh per year from processed products and the machine he sell for 1.35 lakh. It is another motivational example, which shows the potential of agricultural engineering technologies for increasing the farmer's income.

Upcoming Events

International Conference of Agricultural Engineering CIGR Ageng 2012

European Society of Agricultural Engineers (EurAgEng), the International Commission of Agricultural and Biosystems Engineering (CIGR), and the Spanish Society of Agroingenieria (SEAgIng), are organizing the International Conference of Agricultural Engineering CIGR-AgEng2012 that will be held in Valencia, Spain on July 8-12, 2012.

EurAgEng and CIGR celebrate this joint International Conference on Agricultural Engineering in 2012. In addition, a Special Parallel Conference on mechanization and post-harvest technology in developing countries organized by UNIDO and FAO form a part of the Congress.

The Conference covers emerging research and new engineering solutions for food production and rural activities, as a means to enhance human well-being and promote social benefits. New concerns include methods of agricultural, livestock and forestry production, and the preservation of natural resources and landscape by applying modern engineering concepts. Healthier production systems need to encompass higher social and economic benefits.

The CIGR-AgEng2012 Conference is addressed to academia, industry, producers, manufacturers and service providers from all over the world for discussion about novel approaches to integrate agriculture and engineering for enhancing the quality and expectance of life. PhD students, Delegates of CIGR and EurAgEng, Representatives of Developing Countries and Industry are especially encouraged to participate in CIGR-AgEng 2012 Conference in Valencia, Spain. Contact: Florentino Juste, Past-President EurAgEng, President of CIGR-AgEng2012 Conference.

National Seminar at ISAE HP (Palampur) Chapter

The Department of Agricultural Engineering, CSK Himachal Pradesh Agricultural University, in collaboration with ISAE (Himachal Chapter) and State Department of Agriculture, will be organizing a National Seminar on “Augmenting Productivity of Mountain Farming through Agricultural Engineering Interventions” during November 16 to 17, 2011 at CSKHPKV, Palampur. This seminar will provide an opportunity for close interaction among the professionals both from academia and industry to share their views and experiences on mechanization of hill agriculture. Faculty members, research scholars, students of State Agricultural Universities / ICAR, colleges and representatives from industry are invited to participate in the seminar. The registration fee for attending the seminar is as under:

Category	Registration Fees
Academician/Researcher	
-Members of ISAE & IE(I)	Rs. 2000.00
-Non-member	Rs. 2500.00
Manufacturers & others	Rs. 3000.00
Students	Rs. 500.00

Announcements

Election to ISAE Executive Council 2012-15



INDIAN SOCIETY OF AGRICULTURAL ENGINEERS

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No. 04/ISAE/2011

Dated: 10.10.2011

Dr S K Adlakha
Convener, Election Committee

Sub: ISAE Executive Committee Elections 2012-2015 - regarding.

Dear Member,

Nominations through registered/speed post or courier service are invited for the following positions of the Indian Society of Agricultural Engineers (ISAE) Executive Committee for the term 2012-2015 from the members in good standing so as to reach the undersigned by 25.11.2011 at ISAE-HQ. One person can contest for one post only.


1. Vice-President (Technical Council)
2. Vice-President (Activity Council)
3. Secretary General (for members in Delhi/ NCR only)

The ISAE Executive Council has advised that the persons nominated for these posts must be professionals with good standing, willing to devote time and energy to fulfill the responsibilities of respective posts (as per the ISAE Constitution) and must have resources at their disposal to travel and attend the meetings of the Executive Committee and Executive Council. The contestants are requested to provide their resume not exceeding one page which can be uploaded on ISAE website for the benefits of the electorates.

The proposed schedule of election process is as follows:

S. No.	Activity	Last Date
1.	Filing of nomination in enclosed Performa.	25.11.2011
2.	Scrutiny of valid nominations and finalization of list of contestants.	30.11.2011
3.	Withdrawal of nomination by candidates.	09.12.2011
4.	Dispatch of Ballot Papers to members.	Upto 30.12.2011
5.	Receipt of Ballot Papers back from members.	28.01.2012
6.	Counting of votes & preparation of results. (In presence of representatives of candidates and committee)	31.01.2012

Yours sincerely,


(S K Adlakha)

CC: Secretary General, ISAE for information please.

National Conference with the theme: 'Challenges of the 12th Five - year Plan - Role of Engineers and Technologists

Engineering Council of India is organizing the 9th National Conference with the theme: 'Challenges of the 12th Five - year Plan - Role of Engineers and Technologists' organized on November 28, 2011 at at the Auditorium, Scope Convention Centre, Core-8, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110003. Dr. P.N.Shali, Director, Former Adviser (I&M) & Consultant (SP-NE), Planning Commission, Government of India has extended invitation to all the members of Indian Society of Agricultural engineers for this conference as guest delegates. Those who wish to attend and enrich the conference with their valuable contribution may forward their particulars directly to the ECI by post or email

ICFOST-XXI



Implementation of FSSAI; consumer need for convenient, economic, tasty, nutritious and healthy food; high energy consumption; concerns on pollution; and limited skilled personnel availability; are the major concerns of the Indian Food Industry. The food industry seeks innovative scientific and technological solutions to address these problems. Therefore, it is proposed to conduct the convention to discuss all aspects of food science and technology such as food processing, quality, chemistry, biochemistry, microbiology, nutrition, health, bio-technology, engineering etc., to address the needs of micro, tiny, small, medium and large scale food processing sectors. Participation from Students, Academicians, Scientists, Industrialists and Govt officials is solicited.

Topics:

- Diversity in Indian Food Industry
- Problems and solutions to fuel the growth of Indian Food Industry
- Food safety regulations & laws in industrial processing
- Analytical quality assurance for domestic and export food industries
- Novel processing technologies, machineries and information technology in food
- Processing technologies for food & nutrition security
- Ingredient technology for food quality
- Innovative packaging technology
- Functional foods, nutraceuticals and health claims

Oral Presentation:

Oral presentation session consists of Keynote address, Plenary lectures and Technical lectures. Professionals with experience can submit abstract on original research work related to the above mentioned topics along with short bio-data for consideration by committee for 20 min technical lecture.

Poster Presentation:

Original research work on any field of food science / technology can be presented. Only one poster per registration. Best poster awards will be given.

Students Platform:

Student delegates can make poster presentation on novel concepts in any field of food science and technology. Best poster awards will be given.

Food Expo (Industrial Exhibition):

Show case of food processing machineries, instruments, ingredients, processed foods, institutions and publishers. Size 10X10 feet cubicle with standard facilities, 2 free registration and one color advertisement in souvenir @ Rs 40,000/-. Interested organizations may book stalls.

Award Ceremony:

Recognition of the achievements of students, young scientists, professionals & industrialists will be held during the convention.

Souvenir:

Multi colour souvenir having the technical matter of oral and poster presentation of the conference, advertisements of food products, machineries, institutions, etc.

Forms for registration, abstract, expo, souvenir & sponsorship in www.afsti.in

National Seminar at Udaipur

UDAIPUR AT A GLANCE

Udaipur is a beautiful city of legend and romance. It is situated on the western shore of Lake Udaipur. The city is famous for its palaces, gardens and fountains. It attracts large number of tourists from different parts of the country and abroad. Situated in the shadows of dark green hills, three lakes-Pichhola, Fatehsagar and Udaipur, shine as shimmering jewels from the spot surface of which rise snow white palaces. Jagmandir and Jagdish, the famous temple of Shrinathji at Nakhwara (50 km) and Chittorgarh fort (110 km), Kumbhalgarh (70 km), Jai Samand (largest lake in Asia) (50 km) are other places of interest. Udaipur is connected by air from Delhi and Mumbai. It is also connected by Express Trains to Delhi, Mumbai, Indore, Ujjain, Ahmedabad, Patna and Calcutta. It is also connected to Indore and Bikaner by train and bus. Private luxury buses are available to and from Jaipur, Delhi, Ahmedabad, Bikaner, Mumbai, Bhopal, Indore etc.

ORGANIZING COMMITTEE

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NATIONAL SEMINAR

on

Emerging Trends in Spice Processing and Its Impact on Rural Economy

November 17-18, 2011



Organized by

Department of Processing and Food Engineering
College of Technology and Engineering
Maharana Pratap University of Agriculture and Technology
Udaipur-313 001 (Rajasthan)

The 46th Annual Convention of ISAE and International Symposium on Grain Storage

February 27-29, 2012

Venue:
G.B. Pant University of Agriculture and Technology
Pantnagar, Uttarakhand, India

Organized by
Indian Society of Agricultural Engineers
(www.isae.in)



G.B. Pant University of Agriculture and Technology
Pantnagar (www.gbpuat.ac.net.in)



Co-Sponsored by
Agricultural Machinery Manufacturers
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American Society of Agricultural and
Biological Engineers



Canadian Society for Bioengineers



NS2011

First Circular

National Symposium On Biodiversity and Food Security- Challenges & Devising Strategies December 10-11, 2011

Kanpur

Organized by



Dheerpura Society for Advancement of Science & Rural Development
&
Indian Institute of Pulses Research, Kanpur
(Indian Council of Agricultural Research)

Co-Sponsors

Biotechnology Research Foundation (BRF), Kanpur

&

UTTARAKHAND SEEDS AND TARAI DEVELOPMENT CORPORATION LTD.

New Life members

1	LM – 10707	Er. S. S. Shirkole	Maharashtra
2	LM – 10708	Dr. D. R. Sena	Uttrakhand
3	LM – 10709	Dr. Satish Kumar Sharma	Madhya Pradesh
4	LM – 10710	Dr. Ravi Shanker Kurothe	Gujarat
5	LM – 10711	Mr. Vinod Kumar Chaturbhai Gajjar	Gujarat
6	LM – 10712	Er. Swati Bhauso Patil	Sikkim
7	LM – 10713	Er. Sudhir Kumar	Himachal Pradesh
8	LM – 10714	Dr. Ram Krishna Pandey	Uttrakhand
9	LM – 10715	Er. Ajay Kumar Roul	Madhya Pradesh
10	LM – 10716	Er. Manoj Kumar Mahawar	New Delhi
11	LM – 10717	Er. Prakash Kumar Satya	Bihar
12	LM – 10718	Er. Viral Prafulkumar Joshi	Gujarat
13	LM – 10719	Er. Jitendra Kumar	Uttar Pradesh
14	LM – 10720	Er. Anu Varughese	Kerala
15	LM – 10721	Er. Suma Nair	Kerala
16	LM – 10722	Dr. Jagdish Hanumappa Godihal	Uttar Pradesh

In Memory of

Prof. V V N Murty



Prof. V.V.N. Murty, one of the most admired teachers, authors, and scientists passed away on Sept. 14, 2011. Famous as VERY VERY NICE MURTY (VVN MURTY) among his students and friends, he was a great soul and wonderful person. The ISAE remembers him with respects and a sense of big loss. Prof. Murthy graduated (1958) and obtained his Master's in Soil and Water Conservation Engineering from IIT Kharagpur in 1959. Initially he worked in land development and soil conservation with the Governments of Andhra Pradesh and Orissa, the Central Water and Power Commission, Govt. of India (1963-66) and joined Punjab Agricultural University, Ludhiana (1966-87), serving as Assoc. Professor, Professor, and Head of Dept of Soil and Water Engineering. During this, he received his Ph. D in Water Resources Engineering from the University of California, Davis in 1975. Prof. Murthy served the AIT Bangkok (1987-1997) and later, the Institute of Lowland Technology, Saga University, Japan (1998) as a Visiting Professor. He was recognized with Rafi Ahmed Kidwai Memorial Award by the ICAR (1980) and a Commendation Award by the Japanese

Society of Irrigation Drainage and Reclamation Engineering (1997) for his publication 'Land and Water Development for Agriculture in the Asia Pacific Region.

Other distinctions to Prof. Murty include a Fellowship by the United Nations Development Program (UNDP), a Post Doctoral Fellowship by the ICRISAT and a Fellowship by the Japanese Society for Promotion of Sciences. He published 2 text books, 4 monographs. 15 research reports and 150 others in national and International journals. He served on the Editorial Board for Kluwer Publishers on Water Resources and the international 'Journal of Agricultural Water Management'. He served as a Consultant to FAO of the U.N. Economic and Social Commission for Asia and Pacific (ESCAP), German Foundation for International Development, Japanese International Cooperation Agency (JICA), Ethiopian Sugar Corporation, Environmental Protection and Training and Research Institute (EPTRI) Hyderabad, and Department of Rural Development, Govt. of Andhra Pradesh. He co-authored a Report titled 'The A.P. Water Vision' in two volumes as consultant with the Department of Rural Development, Govt. of A.P. In recognition of his eminence and commendable services in Agricultural Engineering, the Agricultural Engineering Division Board of the Institution of Engineers (India) recently felicitated Dr. V.V N. MURTY on the occasion of XXIV National Convention of Agricultural Engineers organized by A.P. State Centre at Hyderabad on 24th and 25th January, 2011.

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