

## INVITED LECTURES

Eminent scientists/researchers in the field of dairy engineering, food engineering and dairy technology will be invited to deliver lead lectures on the thematic areas as mentioned earlier. The professionals, government officials, policy makers, NGO's, entrepreneurs who are working in this field are also invited to share their experience and thoughts for the ultimate aim of welfare of rural people. A panel discussion will be arranged towards the seminar themes at the end of the technical presentations.

## POSTER PRESENTATIONS

The poster presentation is a perfect medium for direct two way communication for all interested delegates with more specific topics, projects or research programmes. A high quality poster session related to the thematic areas of seminar is arranged especially for the young research scholars/ students. The posters will be displayed for both days of the seminar in an open lounge. Poster authors will have to set up their display on the boards at the first day of seminar before lunch. The panels of display will have a maximum size of 1.2 m x 1 m. During poster sessions, authors of posters are requested to be present near their posters on stipulated times.

## POSTER PRESENTATION AWARDS

There will be some awards (3) for most outstanding posters on any of the seminar theme. These awards will be based on the quality of the technical work reported and the quality of the presentation of that work. The poster presentation awards will be announced and delivered as a part of the valedictory function on 29<sup>th</sup> January, 2007.

## STALLS

A limited number of stalls would be provided on first cum first serve basis by payment of the prescribed fee. A demand draft in favour of "Indian Dairy Engineers Association-5<sup>th</sup> convention" payable at Raipur needs to be sent to the Organizing Secretary before 1<sup>st</sup> January. The rate shall be as follow:

No.	Particular	Unit size	Rate
1	Covered stall with 5 amp plug, 2/3 lights, 1 Table and 2 Chairs	3 x 2 m	Rs. 10,000/-

## ACCOMMODATION AND BOARDING

The refreshments (Breakfast, Lunch and Dinner) are free for all participants. Limited rooms are available in the Vishwavidyalaya's guest house in nominal charges on first come/ first served basis. A contingent of rooms shall be reserved for seminar participants and accompanying persons at hotels of different categories. The hotels are all at the centre of Raipur city (6 km away). The hotel rooms will be booked on prior payment of tariff charges as mentioned below:

Hotels 'A' grade	Rs. 1250-1750/day
Hotels 'B' grade	Rs. 750- 1000/day
Ordinary Hotels	Rs. 300- 500/day

## TRAVEL ARRANGEMENTS

The delegates are requested to make their own travel arrangements. Delegates are requested to arrange the TA and DA from their own sponsoring organizations/resources.

## ABSTRACT AND EXTENDED SUMMARY

The abstract should include the title, authors, their affiliations, text and corresponding address with Email ID. The title should be concise preferably up to twelve words and text should be 300 words or less. The last date for receipt of intent for participation and abstract of papers is fixed as 1<sup>st</sup> December, 2007. Authors are requested to submit the extended summary (not more than 1500 words) for publishing in souvenir before 1<sup>st</sup> January 2008. For abstract and extended summary, use either Email or CD (12 point, Times New Roman) and submit it to the Organizing Secretary.

**Dr. C.R. Hazra**

**Patron, Organizing Committee  
Vice-Chancellor,**

**Indira Gandhi Krishi Vishwavidyalaya,  
Raipur (Chhattisgarh) India**

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Organizing Secretary,

Professor & Head,  
Dept. of Dairy Engg.  
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I.G. K.V. Raipur (CG)

# 1<sup>st</sup> Announcement

## Silver Jubilee Celebrations of College of Dairy Technology, Raipur

### 5<sup>th</sup> Convention of Indian Dairy Engineers Association and National Seminar on "Dairy Engineering for the cause of rural India"



**January 28-29, 2008  
Raipur (Chhattisgarh)**

Organized by



**Indira Gandhi Krishi  
Vishwavidyalaya Raipur (CG)**

&

**Indian Dairy Engineers  
Association (IDEA)**



## RATIONALE

It is matter of pride that India has made commendable progress in the dairy sector in the past decades and is currently the largest producer of milk (about 100 Million tones/annum) in the world thereby attained self sufficiency in the area of milk and milk products for its vast population. The milk production is steadily increasing at the rate of 4-5% per annum and it is to be maintained to fulfill the future demands. Therefore, in India, the per capita consumption of milk (240 grams/ day/person) is going up every year.

Despite these achievements, Indian dairy industry is lagging behind in the field of development of small milk processing equipment and adaptation of already developed equipments. We have to, therefore, take a serious note of shortcomings in order to fulfill the growing aspirations of rural people. Out of total milk produced only 15% comes to the organized sector for processing. This shows that 85% of total milk produced is not processed hygienically, which itself creates scope for a quantum jump in the levels of processing of milk. There is an urgent need for development of effective but moderately priced small dairy equipments. These equipments should be easily affordable by large number of small milk producers spread over the length and breadth of the country. This would enable them to produce high quality milk products. This would also preserve the milk without any spoilage for sufficient period till further processing.

Accordingly, a stage has come when more emphasis has to lie on various issues viz. equipment for clean milk production, milk and milk product manufacturing and standardization of these equipments. This will not only help to reduce cost of processing, but will be a step ahead to improve the health of the masses with good quality milk and milk products. This seminar will cover the core issue related to dairy engineering. This seminar would go a long way in establishing and maintaining direct link between the dairying fraternity, government and private industry and institutions with fresh updates, studies and deliberations. Dairy professionals in general and Dairy Engineers in particular would be required to rise to the occasion and shoulder the responsibility for the development, standardization and popularization of small capacity dairy equipments.

## OBJECTIVES

The main objective of the programme is to provide a forum for collecting the information on already developed dairy equipments, feasibility appraisal by industry and other educational institutions, standardizing and popularizing these

dairy equipments through various governmental and non-governmental organizations. It will also cater to the needs of development of proposals for forming and strengthening the R and D links between the teaching/research institutions and industry for ultimate goal of welfare of rural people. It would also emphasize on development of equipment for traditional products manufacturing that can match the requirements of the small scale entrepreneurs as well.

## SEMINAR STRUCTURE

The 5<sup>th</sup> convention of Indian Dairy Engineers Association and National Seminar on "Dairy Engineering for the cause of rural India" will focus on the following themes.

1. Mechanization of feed and fodder production.
2. Modern dairy barns: structures, equipments and utilities.
3. Equipments for on farm processing of milk and milk products.
4. Application of non-conventional energy in milk processing.
5. Equipment for shelf life extension of raw milk.
6. Necessity of interactions between institutions and industry to strengthen R and D towards development of small dairy equipments.
7. Human resource development needs for operation and maintenance of dairy equipments.
8. Scope of entrepreneurship development in dairy product processing.
9. Development of small capacity food processing equipment.
10. Bio energy: developments and management.

## ABOUT RAIPUR

The Raipur is the capital city of newly born Chhattisgarh state. It is well connected with the rest of the country via rail, road and air. During the month of January, Raipur has moderately cold climate with a maximum day temperature of 25°C and a minimum temperature of 8 to 10°C in the night.

## ABOUT ORGANIZING INSTITUTIONS

This convention and national seminar is coinciding with the Silver Jubilee celebrations of College of Dairy Technology, Raipur. This unique college does not only fulfil the aspirations of peoples of Chhattisgarh but of whole central India encompassing Jharkhand, Madhya Pradesh, and Orissa.

## VENUE

College of Dairy Technology, Indira Gandhi Krishi Vishwavidyalaya, Raipur, 492 006 (CG)

## DATES

28-29<sup>th</sup> January, 2008 (Monday- Tuesday)

## OFFICIAL LANGUAGE

English is the official language of the National Convention and Seminar.

## REGISTRATION FEE

For attending 5<sup>th</sup> convention of IDEA and National Seminar, please fill the registration form (one copy per participant) and send it by mail or fax to the address mentioned in the form before December 1<sup>st</sup>, 2007. The participants are requested to send the abstract with demand draft as applicable to them. The registration would be complete only after receiving fee. The registration fee is as follows:

No.	Particulars	IDEA members	Non-IDEA members
1	Participants from Universities, Colleges, Research institutions, Government, Industry, Public Sector, NGO's etc.	Rs. 1000=00	Rs. 1200=00
2	Research Scholars/ PG students	Rs. 500=00	Rs. 600=00
3.	Retired Scientists	Rs. 300=00	Rs.300=00
4.	Spouse/ Accompanying persons	Rs. 400=00	Rs. 400=00
5.	Foreign nationals	\$ 100=00	\$ 100=00

The registration fee includes session coffee/tea, lunch/dinner on the seminar days, seminar souvenir and cultural night. A valid student I.D. card with the endorsement of the head of the institution must accompany the application form of Research Scholars/ PG students. All payments must be made in advance by Demand Draft in favour of "Indian Dairy Engineers Association - 5<sup>th</sup> convention" payable at Raipur. For correspondences in this regard contact any one of the following:

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Associate Organizing Secretary

**Dr. B.K. Goel,**

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