# INTERNATIONAL SYMPOSIUM ON NEW PARADIGMS IN SUGARCANE RESEARCH (ISNPSR-2012)

2nd Circular

**15-18 October, 2012, Coimbatore, India**

Venue

Hotel Le Meridien, Coimbatore

ISNPSR 2012
Coimbatore, India



ISSRD

Organized by

Sugarcane Breeding Institute, ICAR, Coimbatore

and

Society for Sugarcane Research and Development, Coimbatore

## About Sugarcane Breeding Institute

Sugarcane Breeding Institute (SBI), Coimbatore, India established in 1912, is completing 100 years of research in sugarcane. Coimbatore is endowed with all the ideal climatic conditions, neccessary for sugarcane flowering and seed set. Since its establishment, the institute has developed more than 3000 'Co' varieties, many of them becoming prominent varieties in India and abroad. The varieties bred at the Institute were largely responsible for making the country self-sufficient in sugar. The 'Co' varieties developed by SBI were grown in about 30 countries once and even today they are cultivated in some Asian and African countries. The improved hybrid varieties developed by the Institute contributed to phenomenal growth of sugarcane agriculture and sugar industry in the country. The Institute houses one of the two world collections of sugarcane germplasm. Currently the institute carries out basic, strategic and applied research in the fields of crop improvement, crop production and crop protection.

## About the Symposium-ISNPSR-2012

Sugarcane is one of the major industrial crops in India cultivated in about 5.0 million ha area with an annual turnover of 25 billion US$. Sugarcane is emerging as a multi-purpose crop providing sugar, alcohol, power, paper and fodder. The demand for sugarcane is growing worldwide with the population growth and by 2030, it is estimated that the sugar requirement will be 50% higher. Sugarcane being cultivated in a wide range of agro-climatic conditions experiences various types of abiotic and biotic stresses, which are dynamic in nature and cause not only stagnation in yield levels, but also lead to cyclical inconsistencies in production. The challenges need to be addressed and global sugarcane agriculture to be brought to an accelerated mode to meet the growing demand for sugar, energy, ethanol and allied products. Conventional approaches have brought about significant improvement in sugarcane productivity, while the molecular approaches hold promise for the future. Coinciding with centenary of SBI, this symposium is jointly organized by the Society for Sugarcane Research and Development (SSRD) and SBI to deliberate on important aspects of sugarcane. The summit will provide an appropriate platform for interaction among researchers and representatives of the sugar industry.

The language of the symposium is English. The symposium will comprise well structured technical sessions with keynote lectures / oral presentations by distinguished scientists. Separate poster sessions will be organized on respective theme areas. An exhibition will be arranged during the symposium to showcase the recent developments in sugarcane agriculture and related sectors.

You are invited to participate and contribute to this symposium and have a glimpse of the culturally rich part of the country. Looking forward to welcome you for the international symposium in Coimbatore.

## Submission of Papers

The organizers invite abstracts / extended summaries from interested persons in the given theme areas. The abstracts (400 words) will be short listed and authors will be communicated to submit full length papers. Alternatively the authors may also submit an extended summary to a maximum of two pages. All the papers are to be submitted to the Editorial office in standard word format by e-mail: seminars@sugarcane.res.in before 30th June, 2012.

## Theme areas

**Theme I: Sugarcane varieties – towards sustainability**
- Breeding strategies
- Quality improvement
- Breeding for biotic and abiotic stresses
- Special varieties including energy canes



**Theme II: Sugarcane genetic resources – conservation and management**
- Genetic resource management in sugarcane
- Pre-breeding approaches

**Theme III: Sugarcane Genomics**
- Functional genomics
- Molecular breeding
- Gene discovery
- Bioinformatics



**Theme IV: Sugarcane transgenics**
- Development of sugarcane transgenics
- Biosafety issues
- Regulatory systems

**Theme V: Resource management in sugarcane for sustainable production**
- Enhancing the input use efficiency for soil health and sustainability
- Application of geo-spatial technology (remote sensing and GIS)
- Soil and water management: policies, trends, issues and opportunities
- Industry by-products & agro chemicals: environmental consequences
- Organic recycling and microbial inputs
- Post-harvest cane management



**Theme VI: Climate change issues and abiotic constraints in sugarcane**
- Climate variability and climate extremes in sugarcane growing areas
- Sugarcane productivity variability due to climate change effects and its mitigation
- Economic feasibility of soil C sequestration
- Effects of climatic change on SOC



**Theme VII: Mechanization in sugarcane**
- Mechanization of sugarcane farming
- Micro irrigation systems

**Theme VIII: Sucrose metabolism**
- The dynamic sink: Sucrose responses to environmental factors
- Sucrose transporters
- Alternative/novel sugars from sugarcane
- Manipulation of sucrose metabolism: Scope and challenges



**Theme IX: Sugarcane diseases**
- Sugarcane diseases and management
- Molecular diagnosis
- Host resistance and pathogen variability
- Climate change and disease epidemics



**Theme X: Pests of sugarcane**
- Alien invasive pests of sugarcane
- Climate change on dynamics of pests and natural enemies
- Biological pest suppression
- Chemical ecology of sugarcane pests
- Biotechnological approaches in sugarcane pest management

**Theme XI: Bioenergy opportunities**
- Liquid fuels from sugarcane / biomass
- High value chemicals from cane
- Direct combustion/ Co-generation



**Theme XII: Sugarcane R & D: an industry perspective**
- Cane cultivation for diversified products and processes
- Impact of globalization on sugarcane, sugar and by products
- Sugarcane processing complexes – future scenario
- Linking public extension systems to agri-business needs of farmers
- Alternative sweeteners and their impact

Note : The authors may also submit papers relevant to R & D works of sugarcane other than the theme areas mentioned above.

## About Coimbatore

Coimbatore, also known as "Kovai", is a major industrial city and the second largest city in the state of Tamil Nadu, India. The city is known for its pleasant climate, cosmopolitan outlook, private enterprises and often referred as the Manchester of Southern India. It is one of the leading centres of higher education and an upcoming Information Technology Hub. The weather during October will be pleasant with light showers. The average temperature ranges from a minimum of 21° C to a maximum of 31° C. The city is well connected by road, rail and air networks. Coimbatore Airport is 7 kilometers from the center of the city and the venue of the meeting is about two kilometers from the airport. Coimbatore airport has regular flights from many important domestic destinations. It has also direct connectivity to international destinations like Sharjah and Singapore. Coimbatore is well connected by rail from major cities like Ahmedabad, Bangalore, Kochi, Chennai, Hyderabad, Kanyakumari, Kolkata, Jammu, Mumbai, New Delhi, Trivandrum etc. The State Transport Corporation and a number of private operators run buses from Coimbatore to other major cities in South India.

## Symposium Venue

The Symposium will be held in Hotel Le Meridien, Coimbatore, India.

Hotel Link - http://lemeridien.com/coimbatore



Hotel Le Meridian



Symposium Hall

## Places to visit

Many famous divine destinations viz. Dhyanalinga Temple at the Isha Yoga Centre, Marudhamalai Hill Temple, Perur Siva Temple which is more than 1000 years old with wonderful sculptures are located around Coimbatore. The city is surrounded by hill ranges with several picnic spots for one-day drive and back. Hill resorts close to Coimbatore are Ooty (90 km) referred as Queen of hill stations in India, Valparai (110 km), Kodaikanal (180 km) and Munnar (160 km), Mudumalai Wild Life Sanctuary (130 km) and Anaimalai tiger reserve (100 km).



Dhyanalingam



Perur – Ancient Sculpture



Heritage train in the Nilgiris



Botanical Garden, Ooty

## Registration and fees

| | | | |
|---|---|---|---|
| **Spot Registration** | | | |
| i. | Indian delegates | – | ₹ 7,000 |
| ii. | Foreign delegates | – | US $ 400 |
| **Early bird registration (upto 30th June, 2012)** | | | |
| i. | Indian delegates | – | ₹ 5,000 |
| ii. | Foreign delegates | – | US$ 300 |
| **Group registration for five delegates (from 1st July to 30th September 2012)** | | | |
| i. | India | – | ₹ 30,000 |
| ii. | Foreign | – | US$ 1,500 |
| **Accompanying persons** | | | |
| i. | From India | – | ₹ 3,000 |
| ii. | From other countries | – | US $ 200 |
| **Delegates from Industries** | | – | ₹ 12,000 |
| **Students** | | – | ₹ 3,000 |

## Registration fee includes

- Transport from airport / railway station to the place of accommodation / symposium venue
- Lunch and Dinner on Oct 15-17, 2012 and Lunch on 18.10.2012
- Coffee / Tea with snacks during sessions break
- Symposium kit (bag, name tag, pen & publications)
- For the accompanying person(s), lunch, dinner and refreshments.

## Accommodation

Reservations for ISNPSR-2012 delegates and accompanying guests have been made at special rates in the venue, The Le Meridien Hotel, Coimbatore. Reservations should be made directly to the hotel by mentioning the deal code (ISNPSR 2012) at reservation.coimbatore@lemeridien.co.in. The details of the other hotel accommodation available in Coimbatore are furnished in the website. Delegates can book rooms directly or can contact the organizers in advance for accommodation.

## Exhibition

Research & Industry partners are welcome to participate in the exhibition during the symposium. The exhibition is scheduled from October 15-17, 2012 at the Le Meridien Hotel, Coimbatore. Exhibition space is limited at the venue and will be made available on a first-come, first-served basis. The deadline for booking exhibition space is July 31, 2012. For further information please contact the organizers of the Symposium and for additional details log on to website.

## Post Symposium Tour

The organizers will facilitate package tours to the tourist destinations near Coimbatore through reputed tour operators.

## Important dates

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|---|---|
| Last date for Abstract submission | June 30, 2012 |
| Last date for full paper submission | August 15, 2012 |
| Last date for Early Bird Registration | June 30, 2012 |
| Last date for group registration | Sep 30, 2012 |
| Accommodation Bookings Open | May 1, 2012 |

## Some of the important speakers/participants

Dr. John Mummery, CSIRO, Australia
Dr. Ana Maria Benko Iseppon, CNPQ, Brazil
Dr. Phillip Jackson, CSIRO, Australia
Dr. Prakash Lakshmanan, BSES, Australia
Dr. Angélique D'Hont, cirad, France
Dr. Stevens Bruembley, UQ, Australia
Dr. Thomas E. Reagan, LSU, USA
Dr. Graham Bonnett, CSIRO, Australia
Dr. Shamshul Bhuiyan, BSES, Australia
Dr. Héctor García, INICA, Cuba
Dr. Hugo Bruno Correa Molinari, Embrapa, Brazil
Dr. João Carlos Bespalhok, UFPR/RIDESA, Brazil
Dr. K. Michael Butterfield, Cana Vialis/Monsanto, Brazil
Dr. Karen Aitken, CSIRO, Australia
Dr. Lilik E Putra, ISRI, Indonesia
Dr. Marcelo Menossi, UNICAMP, Brazil
Dr. Nguyen Duc Quang, SSRDC, Vietnam
Dr. P. Upasorn, Mitrphol, Thailand
Dr. Ricardo Augusto de Oliveira, UFPR/RIDESA, Brazil
Dr. Shin IRRI, UPARC, Japan
Dr. Trinh Xuan Hoai, Vietnam
Dr. Yang-Rui Li, GXAAS, China
Dr. Yhalu Lin, FAAS, Fujian, China
Dr. Babatunde Olufolaji, Nigeria
Dr. Ahmed Obeid, Sudan
Dr. S. Solomon, IISR, Lucknow, India
Dr. O.K. Sinha, IISR, Lucknow, India
Dr. R. Sivasamy, TNAU, Coimbatore, India
Dr. M.C. Gopinathan, EID Parry, Bengaluru, India
Mr. K. Nagendran, TAS, Chennai, India

## Contact Person


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Sugarcane Breeding Institute (ICAR),
Coimbatore - 641007, Tamil Nadu, India
Phone : 091 422 2472621 Extn.201, E-mail : sugarin@vsnl.com


## For More Information


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Head, Division of Crop Protection,
Organizing Secretary - ISNPSR 2012
Sugarcane Breeding Institute (ICAR),
Coimbatore - 641007, Tamil Nadu, India
Phone : 091 422 2472621 Extn.210

**Dr. G. Hemaprabha**
Principal Scientist (Plant Breeding)
Member Secretary - ISNPSR 2012
Sugarcane Breeding Institute (ICAR),
Coimbatore - 641007, Tamil Nadu, India
Phone : 091 422 2472621 Extn.251

E-mail : seminars@sugarcane.res.in
Website : http://www.sugarcane.res.in

# REGISTRATION FORM
# ISNPSR-2012

Title: Prof./Dr/Mr/Ms

Name: _____

Gender: M ☐ F ☐

Organization: _____

Address: _____

_____

_____

Contact details

Phone _____ Mobile _____

Fax: _____ E-mail: _____

No. of accompanying persons:

Passport details (only for foreign delegates including SAARC countries)

Nationality: _____

Passport No: _____

Date of Issue: _____

Validity date: _____

Submitting a paper: Yes/No

If so, title _____

_____

_____

Theme: _____

Sub-theme: _____

**Payment of Registration Fee**

The delegates have an option to transfer the exact amount of Registration fee (internet transfer/bank transfer) in the Symposium account (International Symposium on Sugarcane) at State Bank of India, Veerakeralam Branch, branch code: 10618, IFSC-SBIN0010618; A/c no 32260014826. Demand drafts (DD) are also accepted and DD should be drawn in favour of "International Symposium on Sugarcane", payable at Coimbatore and send to the following address.

Dr. R. Viswanathan
Organizing Secretary
International Symposium on New Paradigms in Sugarcane Research
Sugarcane Breeding Institute
Coimbatore – 641 007, India
Phone: 0422-2472621, 2472723 - Extn: 210, e-mail: seminars@sugarcane.res.in

*Participants are requested to return filled in registration form along with payments to the Organizing Secretary before the respective due dates.

** Registration form can be downloaded from the following URL
http://www.sugarcane.res.in/index.php/centenary

**For more information, delegates may contact to**

**Dr R. Vishwanathan & Dr G P Rao**



**Looking for your valuable presence in Coimbatore, India**

**Thanks**