



Silver Jubilee International Symposium
on
**"Global Cotton Production Technologies
vis-a-vis Climate Change"**
at
CCS Haryana Agricultural University, Hisar

10-12 October, 2012

Jointly Organised
by
Cotton Research and Development Association (CRDA)
and
CCS Haryana Agricultural University, Hisar
in Collaboration with



Indian Council of Agricultural Research (ICAR), New Delhi

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The Executive Council of Cotton Research and Development Association and CCS Haryana Agricultural University, Hisar welcome the researchers, teachers, students, agricultural professionals, traders and other entrepreneurs to the **“Silver Jubilee International Symposium on “Global Cotton Production Technologies vis-a-vis Climate Change”** at CCS Haryana Agricultural University, Hisar during October 10-12, 2012.

Scope, Aims and Objectives of the Symposium

Climate Change has become a major national issue as well as of global concern. New projections show that climate change and its consequences *i.e.* increased heat waves, melting glaciers, rise in sea level, change in temperature, ultra violet radiations, increasing carbon dioxide and other gases, depletion of nutrients in soil, erratic and scanty rainfall, declining water resources, changing pests-diseases scenario will affect every aspect of life. Such changes will affect cotton productivity and environment. More than 65 per cent of Indian population rely on agriculture for their livelihood, which is directly dependant on climate. The impact of climate change will be multifaceted ranging from fundamental threats to the region's food and energy, security to socio-economic issues including large scale migration of rural folk.

Every nation is gearing up to adopt itself to the threat of climate change. Government of India has constituted the National Council for Climate Change to prepare a road map for energy efficiency and sustainable development and to co-ordinate national plans for impact assessment, adaptation and mitigation to climate change.

Globally cotton is facing challenges that affect not only sustainability of production but also competitiveness with artificial fibres in the textile industry. Cotton is one of the most ancient and very important commercial fibre crop of global importance with a significant role in Indian agriculture, industrial development, employment generation and improving the national economy. It is cultivated in tropical and sub-tropical regions of more than 100 countries. It is the back bone of the flourishing textile industry in India. Millions of people depend on cotton cultivation, trade, transportation, ginning and processing for their livelihood. India is the only country in the world growing all the four cultivated species of cotton alongwith their hybrid combinations.

The productivity of cotton has not made headway because of more than 70 per cent area is under rainfed cultivation. Cotton in 2002 on commercial scale marks the beginning of transgenic era in the country and within a span of eight years, the cotton production in the country has gone more than double with the increase of the productivity also. Cotton is basically cultivated for its fibre which is used as textile raw material. Cotton seed is crushed to get its oil for human consumption and left out cakes are used as cattle feed. It is cultivated from Punjab in the north to Kanyakumari in the south and Assam in the east to Kutch (Gujarat) in the west. Presently, India contributes 28 per cent of world's cotton area and 18 per cent of production. India is the second largest raw cotton producer, consumer as well as exporter.

Objectives

The Silver Jubilee International Symposium is planned to provide a common platform to agricultural scientists both from public and private sectors, extension functionaries and policy makers to share their experiences and expertise to discuss various issues related to cotton research and production technologies so as to track a pathway for 21st century. I hope that the symposium will be beneficial to all those associated with cotton research, development, cultivation, pesticide, seed and textile industry and other related manufactures of agro industry. This will also act as an excellent forum for researchers to interact with experts, take stock of the present status and generate new ideas and plan new strategies for cotton production technologies in relation to changing climate or environment.

The Scientific Programme

The Symposium will cover inter-disciplinary lead/invited papers/corporate lectures/contributory lectures and parallel oral and poster presentations covering the theme of the event. The lead papers and key note addresses will be sought, with a focus on achieving a truly international dialogue with regard to cotton research and development will be delivered by leading luminaries in their respective fields of the country and abroad. All papers and posters will be peer reviewed and selected with a desire to advance international understanding of production research, ginning, economics and textile research issues. The selected papers will be published in the proceedings after peer review.

Theme Areas

Vulnerability of Cotton Production Technologies to Climate Change :

- Flora and fauna
- Soil
- Water
- Insects-pests
- Diseases
- Cotton cultivation
- Cattle feed

Mitigation of Climate Change in Cotton Production Technologies :

- Resource conservation
- Integrated crop management (INM, IWM, IPM)
- Micro-irrigation
- Organic farming
- Low cost input technologies
- Crop husbandry
- Precision farming
- Disease forecasting and modeling
- Mapping and management of diseases and pests
- Role of newer molecules
- Insecticide resistance management

Adaptation of Cotton Production Technologies to Climate Change :

- Breeding and genetics
- Biotechnology and molecular biology
- New genes for cotton improvement
- Advances in genetic engineering methods
- Marker associated selection and quality consideration
- Biotechnology and biopesticides
- Exploitation of bioactive molecules
- Bioinformatics
- Quality improvement
- Resistance management for *Bt* cotton
- Future transgenics
- Opportunities and threats due to *Bt* cotton
- Transformation and gene silencing
- Structural and functional genomics
- Global and Indian advances in GM cotton
- Role of conventional breeding in strengthening GM cotton
- Purity of GM seeds
- Development of farming and cropping system
- Crop modeling
- Crop physiology
- Abiotic stresses

Socio-economic Assessment and Policy Initiatives for Climate Change Risk Management in Cotton Production Technologies :

- Socio-economic perspectives
- Sensitization and awareness creation
- Impact assessment
- Economics of production and marketing
- Marketing intelligence and opportunities
- Trend in production and trade
- Future trading and prices
- Policy support
- Fibre quality evaluation and preservation
- Standards of produce and products
- Packing and safe storage

Ginning and processing
 Intellectual property rights issues and WTO
 Application of geomatics (remote sensing and GIS tools)
 Nano technologies
 Agricultural engineering
 Cotton by products utilization
 Seed and biotech industry perspective
 Transfer of technology - impact and economics
 Status of seed production *vis-a-vis* requirement through public and private sector
 Clothing and Textile
 Cattle feed technology
 Perspective of agro based industries

Call for Abstracts

Abstracts of your area of expertise (unpublished work) related to theme areas are invited for oral and poster presentations. Abstracts typed in double space not exceeding 300 words may be sent on A₄ size paper on CD alongwith two hard copies by registered/speed post or by e-mail as an attachment to **Dr. M. S. Chauhan, Secretary** (ms_chauhan@live.in or crda1987india@gmail.com) as Microsoft word-2003 vision file, clearly specifying the theme areas. **Only one paper as a senior author will be accepted.** Authors will be intimated about the acceptance of their papers for oral or poster presentations. **Printing of the Abstracts will be done only of the registered delegates on or before 31.07.2012 positively.**

Instructions for Preparation of Abstracts

Font : Time New Roman
 Theme area title : Font size 12 regular, to be typed at the top centre of the abstract.
 Paper title : Font size 14 bold, preferably less than 100 characters.
 Authors name : Font size 12 *italics*, presenting authors name should be bold.
 Affiliation : Font size 12 regular should include complete postal address with pin code followed by e-mail address and underline the presenting author.
 Text : Font size 12 regular with double spacing, left aligned and right justified.

Young Scientist Merit Academic Award

The Young Scientist Merit Academic Award contest for oral presentation shall be organized to encourage the scientific temper among the students/young scientists. The contestant will submit an abstract upto 300 words and full length paper on CD with two hard copies along with brief bio-data to the Secretary on or before 31.07.2012 positively. Please mention the word "For Award" on the top of the abstract.

The contestant have to give the following certificate

To whom it may concern

It is to certify that the paper entitled, "presented for the The Young Scientist Merit Academic Award is pertaining to the major work done by the candidate(Name). during(year). **Maximum three years old work is allowed to present.**

It is further certified that the work has not been published or presented for any other award till date and the contestant is below the age of 35 years. There is no age bar for the co-authors. **All the authors should be the member of the Cotton Research and Development Association.**

Signature of the student

Signature of the Chairman/Guide/Advisor of the student

Forwarded by the Head of the Department/Dean of the College/Head of the Institution

Guidelines for Preparing Posters

A poster should be informative, attractive and self explanatory. The significance of the research findings and its implications need to be high lighted. Provide the viewers one or two important conclusions. Use poster board of standard size 76x102cms. Please underline the name and e-mail of the presenter.

Best Poster Award

The best poster presentation will be selected by a panel of judges in each theme area and will be awarded with a plaque and a certificate from the organizers.

Life Time Achievement Award

The panel of judges will select the outstanding Scientist/Officer both from public and private sectors from India and abroad. A citation and memento will be given by the Organizers.

Public Private Partnership Award

The award is open for all agro based Industries/Companies. The contestants will submit a comprehensive report of the company/industry to Dr. M. S. Chauhan, Secretary on or before 31-07-2012.

Registration

Only the registered delegates will be allowed to participate. The duly filled in registration form and **registration fee (Non-refundable) should be sent along with Demand Draft in favour of "Cotton Research and Development Association" drawn on any nationalised bank payable at Hisar to Dr. M. S. Chauhan, Secretary.** Please write the Name and address to the reverse side of the demand draft.

Registration Fee

	Till 31st July, 2012	Afterwards/On the spot
Delegates (India & SAARC countries)	` 5,000/-	` 8,000/-
Other countries	US\$ 250/-	US\$ 350/-
Students (produce the proof)	` 3,000/-	` 6,000/-
Corporate Participation	` 7,000/-	` 10,000/-
Accompanying spouse (US\$50)	` 1000/-	` 1500/-

The registration fee does not include accommodation charges.

Important Dates for Remembrance

Submission of Abstracts	=	April, 30, 2012
Notification of Acceptance	=	May, 15, 2012
Remittance of Registration Fee	=	July, 31, 2012

Souvenir

A Souvenir in commemoration of the symposium will be published and distributed

The details of the tariff for advertisements are :

Back cover (Outer cover)	Coloured	` 40,000/-
Front cover (Inner)	Coloured	` 30,000/-
Back page (Inner)	Coloured	` 30,000/-
Full page (Inner)	Coloured	` 25,000/-
Full page (Inner)	Black & White	` 15,000/-
Half page (Inner)	Black & White	` 8,000/-

Venue

CCS Haryana Agricultural University, Hisar (*Shair-E-Firoza*) is located about 170 km from Delhi on NH 9. It is well connected by road and train. Buses from ISBT, New Delhi are frequently available.

Language

The official language of the symposium will be English

Accommodation

Accommodation for participants will be arranged in the guest houses/hotels on prior request. The hotels in the tariff for medium range are from ` 1000/- to ` 1500/- and ` 3000/- to ` 5000/- in Luxury hotels for single room per day. **Two days advance tariff may be sent for reservation of the accommodation in the hotels.**

Weather

Weather at Hisar during the symposium will be very pleasant and enjoyable. The average day and night temperature will be around 30°C and 18°C, respectively.

Post Symposium Tours

Post symposium tours may be organized for the registered delegates, their families and accompanying persons in and around Hisar city on payment basis.

Website

Updated information about the Symposium and more details may be obtained by visiting

www.crdaindia.com

National Advisory Committee

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Dr. P. Vidya Sagar, Former Vice President CRDA
Dr. R. P. Bhardwaj, Former Vice President CRDA

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Dr. S. S. Siwach

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Dr. M. S. Chauhan

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Registration Form

Name of the participant : _____ Sex _____

Designation _____

Address (Pincode) _____

Phone Office(With code) _____ Residence (code) _____

Fax. No. _____ E-mail _____

Type of presentation Invited ☐ Oral ☐ Poster ☐ Award ☐

Title of presentation _____

Theme area _____

Number of persons accompanying _____ Age _____ Sex _____

Accommodation required Single ☐ Double ☐ AC ☐ Non AC ☐

Amount paid Rs. _____

Name of the Bank _____ Demand Draft No. _____

Drawn at _____ Date _____

Bank drafts to be drawn on any nationalized bank in favour of "Cotton Research and Development Association" payable at Hisar.

Registration fee Rs. _____

Name of the Bank _____ Demand Draft No. _____

Drawn at _____ Date _____

Date _____

Signatures _____

The Interested participates can get a photocopy of the registration form or down load from the website (www.crdaindia.com) and complete form may be mailed latest by 31.7.2012 positively to :

Dr. M. S. Chauhan

Secretary

Cotton Research and Development Association

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