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Call for papers: Conceptual, review and research based papers and field cases related to the national seminar themes are invited. Hard copies of abstract (about 300 words) on A4 size typed in Times New Roman with single space 25 mm margin all around in font size 12 points along with electronic CD in MS-Word format (complete address with pin code, mobile no. and emails) should reach to the Organizing Secretary (Dr. Pinaki Acharyya, Mobile no: 9830576299) and soft copies on email 'natsympclimatesmartagri@gmail.com' in time.

Publication: Accepted abstracts will be published as proceedings of the seminar in an edited book with ISBN No and it will be distributed to only the registered participants of this symposium. Any author can publish an abstract *in absentia* in the symposium provided they pay the full registration fees within 30.11.2017.

Correspondence regarding seminar

Convenor: Prof. A.K. Mandal

Organizing Secretary: Dr. Pinaki Acharyya

Jt. Secretary: Dr. S. Kundagrami, Dr. Sudipta Tripathi

Important dates

1. Receipt of Abstract: 20.11.2017

2. Registration fees remittance: 30.11.2017

REGISTRATION FEES

Student: Rs. 500.00

Research Scholar: Rs. 1000.00

Teacher/Scientist/ Rs. 2000.00

Other delegates

Registration fee should be sent to Dr. A.K. Dolai, Treasurer, 51/2 Hazra Road, Kolkata-700019 by demand draft in favour of "AGRINATSYM, 17" payable at UCO Bank, Ballygunge Circular Road, Kolkata-700019. Account type: Savings bank account, Account No: 08370110017630, IFSC code- UCBA0000837, MICR code: 700028039.

Filed in registration form along with the requisite fee should be sent to Organizing Secretary, National Symposium 2017, Institute of Agricultural Science, 51/2 Hazra Road, Kolkata-700019, West Bengal
Email: natsympclimatesmartagri@gmail.com



National Symposium to commemorate 50th year of the Agricultural Experimental Farm, University of Calcutta

On

Towards Climate Smart Agriculture-A Key to Livelihood Security



December 9th -11th, 2017



Organized by

Institute of Agricultural Science
University of Calcutta



In Collaboration with

Alumni Association, Institute of Agricultural Science
University of Calcutta

Venue

51/2, Hazra Road, Kolkata-700019, West Bengal

PROLOGUE

Agriculture around the world is already experiencing the effects of the changing climate, including more intense droughts, heat waves, floods, and a growing influx of pests and diseases. This contributes to unstable livelihoods for the world's 2 billion rural poor who depend on small-scale farms and live on the margins of the poverty line. Indian agriculture has an impressive long-term record of taking the country out of serious food shortages despite rapid population increase; however increasing concern for meeting the food and nutritional security of growing population necessitates concerted efforts to meet the needs of food, nutrition, environmental service and health care from declining land and water resources, besides the threat of climate change. How this challenge could be addressed is a question before all of us. Past experience of producing more through various revolutions is a testimony to the capability of taking up the challenges. But the emerging scenario is more challenging than before. With these challenges, the world is increasingly shifting toward climate-smart agriculture. This approach intends in improving agricultural strategies to combat sustainable food, nutrition and livelihood security under the changing climate. The objectives are also an adaptation of the most vulnerable farmers and landscapes to climate change in strengthening the agricultural resilience along with ecological intensification and ecosystem services for maintaining productivity. In addition, reduction or removal of greenhouse gas emission in the atmosphere will help to improve livelihood security. Research on agro-ecology, management of soil and land use conservation, carbon sequestration, water resources, biodiversity, minimizing wastes and losses in food systems, greenhouse gases, human nutrition and health will contribute to climate-smart agriculture and promote economic sustainability and global security.

THEMATIC AREAS

The major thematic areas of deliberation and discussion of the seminar are:

- I. Agriculture and food system adaptation & mitigation actions to respond to climate change
- II. Soil and water conservation to sustainable agriculture
- III. Crop diversity, its improvement and genetic manipulation
- IV. Management strategies for upcoming threat of pests and diseases
- V. Fruit, vegetables and ornamental horticulture for livelihood security
- VI. Natural resource management and Agroforestry
- VII. Fisheries, aquaculture and livestock to meet global challenges

Institute of Agricultural Science- at a glance

Agriculture as we all know till to date is the mainstay of Indian economy. University of Calcutta is one of the few pioneer institutions in the country to realize the practical necessity of creating facilities for agricultural education and research. A beginning was made in teaching of M.Sc (Ag) course in "Agricultural Botany" in Ballygunge Science College Campus of the University in 1954. The Department of Agriculture was upgraded to a fully fledged Faculty of Agriculture and Veterinary science in 1956. Thereafter, in the year 1990 six compartmental departments came into existence and started offering M.Sc (Ag) programme in Soil Science & Agricultural Chemistry, Agronomy, Horticulture, Plant Physiology, Genetics and Plant Breeding and Seed Science and Technology. The University College of Agriculture was further reorganized and restructured as Institute of Agricultural Science in 2002 and has successfully churned out plethora of eminent personalities with specialization in different sub disciplines. The Institute has a wide range of collaborations within and outside the country, a rich alumnus, learned societies and a strong academic cum research interest kindling aspirations in the young minds and keeping abreast with the changing scenario of agriculture at national and international platforms.

About KOLKATA -The city of Joy

Kolkata, the capital of West Bengal is located on the east bank of the river Hooghly and is also the cultural capital of India. One of the most vibrant cities, it is the religious and diverse center of ethnic and cultural conglomeration having rich traditions in drama, art, film, theatre, and literature. A galaxy of eminent personalities from various fields had over the years made their presence feel and honored the city with their achievements. The erstwhile capital of British India hosts venerable cultural institutions of national importance, such as the Academy of Fine Arts, the Victoria Memorial, the Asiatic Society, the Indian Museum and the National Library of India. Among professional scientific institutions, Kolkata hosts the Agri Horticultural Society of India, the Geological Survey of India, the Botanical Survey of India, the Calcutta Mathematical Society, the Indian Science Congress Association, the Zoological Survey of India, the Institution of Engineers, the Anthropological Survey of India and the Indian Public Health Association. Kolkata is also the home to several sports and a number of old clubs still do exist since the British era. During the month of December the city enjoys a temperature range of 17-22°C and the weather is mostly sunny and dry. Kolkata is well connected by air, rail and road.

Accommodation: Limited accommodation is available in University Guest House on first cum first serve basis. In order to avail the accommodation facility the 'Accommodation request form' may be duly filled up and the same should be mailed to the Organizing Secretary of the symposium at the earliest.

Venue: Institute of Agricultural Science, University of Calcutta, 51/2 Hazra Road, Kolkata-700019.

Participants: Academic and research professionals, officials from state and central governments, extension workers, industrialists, policy makers, growers, exporters, NGO's and students.



National Symposium on Towards Climate Smart Agriculture- A Key to Livelihood Security December 9th -11th, 2017

REGISTRATION FORM

1. Name (in block letters).....
 2. Designation and Mailing Address
 3. Telephone / Mobile No. Fax/E-mail.....
 4. Registration Fee (Rs.).....
 5. Draft No. and Date Amount (Rs.) / Account transfer Detail.....
 6. Title of Abstract/Paper.....
 7. Theme.....
 8. Choice of presentation.....
 7. Abstract/Paper (2) copies with CD or E-mail enclosed.....
- Place and Date: _____ Signature _____

ACCOMMODATION REQUEST FORM

- Name (in block letters).....
Designation and Mailing Address Pin.....
Telephone / Mobile No.....Fax.....
E-mail.....
No. of accompanying persons with detail (if any).....
Travel Plan
Date & mode of arrival.....
Date & mode of departure.....

Place and Date: _____ Signature _____

