



National Conference

on

Enhancing Nutritional Security through Climate Smart Farming Practices

17-18th March, 2017

Venue

Regional Research Station (Hill Zone)

Kalimpong

Organized by

Cooch Behar Association of Cultivation for
Agricultural Sciences (COBACAS)

In collaboration with

Regional Research Station (Hill Zone)

UTTAR BANGA KRISHI VISWAVIDYALAYA

Kalimpong, Darjeeling

West Bengal, India

ABOUT THE CONFERENCE

The farmers around the world especially in the tropical countries like India are already facing the impact of climate change. Increasing temperatures, variable precipitation and more frequent and intense weather events will continue to challenge farmers' ability to feed a growing population. According to the FAO, the world will need to provide healthy, sufficient and balanced food to more than 9 billion people by 2050. To achieve this, it is required to double the agricultural production. In light of climate and demographic challenges, radical actions and efforts to improve the sustainable performance of the agricultural sector are urgent. Climate Smart Agriculture (CSA) has been felt as a method that will help farmers both adapt to a changing climate and to mitigate greenhouse gas emissions while boosting agriculture production.

Agriculture is primary livelihood for developing countries like India. Agriculture can influence nutrition through many pathways, which include increased food intake from own production, increased incomes from diversification towards high value crops (HVCs), horticultural farming, fishery, livestock rearing and reduced real food prices. However, these farming practices are facing alarming threat like climate change and enormous demand by the peoples; hence the production capacities of these systems are reduced in the developed countries. The poor and marginalized are often most affected by the declination of the resources. Unfortunately, the evidence on the link between farming and nutrition has been vague. The incidence of under nutrition is severe and wide spread in the tropical nations. Management or adjustment of farming practices requires urgent attention for environmental development and improvement of food and nutritional security. There is therefore urgent need to identify the key mechanisms underpinning climate change impacts on agriculture, horticulture, fishery, livestock and forestry in order to best select management strategies under changing climate change scenarios for enhancing food production and ensuring nutritional security.

Scientific understanding of the relationship between climate change and food security integrity has significantly advanced over the last decades. This conference will provide a scientific platform for all stakeholders to exchange knowledge, discuss issues, share innovations and network. This conference will also help traditional and/or farming communities and researchers to collaborate for generating more information on nature and its conservation. The conference aims to highlight the crucial role of sustainable farming practices towards nutritional security and thus is an attempt to relate global millennium goals in order to achieve sustainable development. COBACAS and Regional Research Station (Hill Zone) UBKV, Kalimpong through this conference will find out the climate smart farming practices for food and nutritional security and discuss ways to enhance participation of all stakeholders or the community at large to achieve this goal.

ABOUT COBACAS

COBACAS was registered on 1st February, 2013 under the West Bengal Society Registration Act, 1961 with a mission to promote, disseminate and mutual exchange of scientific information of Agricultural Science among the scientific diaspora and stakeholders. The members of the Association already organized two National Conferences in 2014 and 2015. The society also publishes 'Journal of Agriculture and Technology' biannually.

ABOUT REGIONAL RESEARCH STATION (HILL ZONE) UBKV, KALIMPONG

The Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar was established by West Bengal Act XX of 2000 and started functioning from 1st February, 2001. Among its three regional research stations (RRS), one is for hills situated at Kalimpong of Darjeeling district. It has two other sub-stations under its administrative control and is located at Pedong and Dalapchand. The RRS caters to the needs of farmers and offer solutions to the location specific problems.

ABOUT KALIMPONG

Kalimpong is a hill station in the state of West Bengal. It is located at an average elevation of 1,250 meters. The nearest railway station (NJP) and airport (Bagdogra) is about

70 kilometer from Kalimpong. The town is set to be the headquarters of the announced district of Kalimpong. It is well connected with Siliguri (65 kms), Darjeeling (55 kms) and Gangtok (60 kms). Home to ethnic Nepalis, indigenous Lepchas, other ethnic groups and non-native migrants from other parts of India, the town is a religious centre of Buddhism. The Buddhist monastery Zang Dhok Palri Phodang holds a number of rare Tibetan Buddhist scriptures. Kalimpong is known for its educational institutions, many of which were established during the British colonial period.



The municipality sits on a ridge overlooking the Teesta River and is a tourist destination owing to its temperate climate, magnificent Himalayan beauty and proximity to popular tourist locations in the region. The town centre is on a ridge connecting two hills, Deolo Hill and Durpin Hill. Deolo, the highest point in Kalimpong, has an altitude of 1,704 m and Durpin Hill is at an elevation of 1,372 m. Mount Kanchenjunga at 8,586 m the world's third tallest peak, is clearly visible from Kalimpong.

CLIMATE

The annual temperature ranges from a high of 30°C to a low of 9°C. Winter lasts from December to February, with the maximum temperature being around 15°C.



THEME AREAS

1. Climate change, geo-informatics, greenhouse effect and disaster management.
2. Biodiversity for crop/animal improvement, sustainable utilization and conservation of natural resources.
3. Biotechnology, biotic and abiotic stress management strategies under changing climate scenario.

4. Strategies of food and nutritional security, bio-fortification, product diversification/value addition and market linkages.
5. Impact of climate resilient crops/horticulture for hilly agro ecosystem.
6. Socio economic development through climate smart agriculture.

ABSTRACT AND FULL PAPER SUBMISSION

Organizing committee invites delegates/participants to **submit abstract for presentation (oral or poster) along with full paper** under the given thematic areas. The manuscript/abstract must be in English with the title of the paper, name of Author(s), and designation in MS Word (abstract strictly not more than 500 words). All abstracts must be sent as e-mail attachment to absconfcobacas2017@gmail.com addressing the Organizing Secretary on or before 10th Feb, 2017. Full papers may also be attached to absconfcobacas2017@gmail.com as per the Authors' Guidelines of JAT. For further queries visit our website: www.cobacas.org.

Full papers received on or before 10th Feb, 2017 will be considered for publication in JAT (Vol. 4, Number 1, 2017) with a processing fee of Rs. 1000. This issue will be released during the Conference. Papers accepted for oral presentation will also be considered for publication in the forth coming issue of JAT with a processing fee of Rs. 1000.

The organizing committee reserves the right to delegate mode of presentation depending on the number of papers and merit of the paper based on originality/novelty of research work on the themes of conference. An area of 4' x 3' feet will be allotted for poster presentation and for oral 15 minutes time will be given for each participant.

REGISTRATION, FEES

Application for registration in the given format along with fees can be sent to the Organizing Secretary as per dates given below in favour of the **Cooch Behar Association for Cultivation of Agricultural Sciences (COBACAS)**, payable at Cooch Behar or may be directly transfer to the **Account: 33026323337, SBI, R.R.N. Road, Cooch Behar, IFS Code: SBIN0015950** and send the electronic receipt copy along with the registration form.

Registration fees include conference kit and fooding only during conference period.

Early bird registration (till 28.02.17)	Rs. 3000.00
Registration after 28.02.17	Rs. 4000.00
Industry/Private concerns	Rs. 5000.00
Accompanying person (each)	Rs. 2000.00
COBACAS Life members	Rs. 2000.00
Students (Identity proof required)	
Early bird (till 28.02.17)	Rs 1500.00
After 28.02.17	Rs 2000.00

AWARDS

Best Poster Award and Oral Presentation Award will also be given for each session.

TOUR

Sightseeing tours (to be borne by the participants) can be arranged on request.

Chief Patron:

Dr. Trilochan Mohapatra, Secretary (DARE) & Director General (ICAR)

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REGISTRATION FORM

Name :
Designation :
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e mail :
Title of the paper :
Choice of theme :
Mode of presentation : Oral/Poster
No. of accompanying persons :
Status of payment of Registration :

Signature of the participant