

III Remader

9th National Extension Education Congress 2018

on

*Climate Smart Agricultural Technologies :
Innovations and Interventions*

November 15-17, 2018

CAEPHT, Ranipool, Sikkim (CAU, Imphal)



Organizers :

Society of Extension Education, Agra
Central Agricultural University, Imphal, Manipur
ICAR Research Complex for NEH Region, Umiam, Meghalaya
NRC for Orchids, Pakyong, Sikkim



Background :

By 2050, the agricultural food production will need to increase by 60% from now to meet the demand and most of this to come from increased productivity. About 2.4 billion people in developing countries at that time would be from South Asia and sub-Saharan Africa out of the total world population to be around 9.9 billion and India to share 1.7 billion. Raising agricultural productivity and income in small holder production system would be crucial for reducing poverty, achieving food security and act as a key driver of economic transformation and growth. Climate change has already impacted agricultural growth. According to IPCC, climate change affects crop production in several parts of the world with negative than positive effects. The developing countries are highly vulnerable to such impacts. Frequency and intensity of weather extremes such as drought, heavy rainfall, flooding and high temperatures are already occurring and expected to go further high in many regions. These effects will not, however, be evenly distributed. Water scarcity and drought are also likely to be major challenges sooner than later.

Increased Climate variability worsens production risks and the farmers' risk coping ability. Climate change is expected to influence yields by changing crop phenology, change cropping systems, pest & disease life cycles, fish life and livestock habits. Climate change poses threat to food access by reducing agricultural production and incomes, increasing risks and disrupting markets. Poor producers, the landless and marginalized ethnic groups are to face the vagaries of vulnerability. To sustainably increase the productivity, enhance climate resilience and reduce greenhouse gas emissions; adaptation to climate smart agricultural technologies, practices and services is must. Similarly, rainwater harvesting, use of improved seeds, ICT based agro-advisories, reducing post harvest losses and crop/livestock insurances can help farmers to reduce the ill effects of climate change. A meta-analysis of crop simulation under several climate scenarios found that farm level adaptations can increase crop yields by an average of 7-15%.

The climate smart agriculture in the areas of Water, Energy, Nutrient, Carbon, Weather, Knowledge, Communication, Trade and Commerce etc. would pave the way towards agricultural sufficiency and sustainability.

The aim of the 9th NEEC is to bring into focus the plausible neo-extension perspectives and horizons in Climate Smart Agricultural Technologies, Practices and Services: to identify opportunities and the best ways to diffuse the appropriate technologies, practices and services for food and income securities under progressive climate change and variability.

Themes of the Congress

1. Climate Smart farming and food and nutritional security-challenges and strategies
2. Neo-extension horizon and researches towards climate elegant agriculture
3. Innovations in farming to address biotic and abiotic stress arising due to change in climate
4. Post harvest technology, value addition, farm mechanization, nutri-sensitive interventions for women and entrepreneurship in farming
5. Indigenous Technical Knowledge and Information and Communication Technology in climate smart farming
6. Engagement of youth in climate smart agriculture and secondary agriculture
7. Role of soil and water conservation interventions and renewable energy technologies in climate smart farming
8. Livestock based farming system to mitigate climate change.

PARTICIPANTS

The Congress will be open to scientists, scholars, teachers, extension professionals, field functionaries, administrators, policy makers, farmers, students, corporate representatives, industries and media persons including other stakeholders

involved in agriculture and rural development from public and private sectors.

DATES OF CONGRESS: November 15-17, 2018

VENUE : College of Agricultural and Post-Harvest Engineering Technology, Ranipool, Gangtok, Sikkim (Central Agricultural University, Imphal, Manipur)

LANGUAGE : Both English and Hindi.

CALL FOR ABSTRACTS / PAPERS

The participants may submit conceptual, review, research and case study based papers. An abstract of about 300 words may be submitted online latest by **March 31, 2018**. Not more than two abstracts from a participant will be entertained.

The full length papers are required to be submitted latest by **May 31, 2018** along with registration fee. Needless to mention that only theme based papers will be screened for publication after the congress is over. Registration form is available on the website of the Society.

SEE AWARDS

The Society will honor the Agricultural and Social Scientists including teachers, professionals, policy makers, practitioners and scholars. Those who have made outstanding contributions in their respective fields may apply for the following awards (except Lifetime Achievement Award) by sending their brief resume latest by **March 31, 2018**.

Lifetime Achievement Award

Award will be conferred upon distinguished senior eminent agricultural scientists of international reputes for their outstanding contribution in promoting the agricultural development.

Dr Daulat Singh Memorial Extension Education Excellence Award

Award will be conferred upon distinguished eminent agricultural extension scientists of national/international reputes for their outstanding contribution in promoting the agricultural development.

SEE Fellow Award

Award will be conferred upon renowned agricultural scientists having the status not less the professors for their outstanding contribution in their respective fields.

North East Extension Excellence Award

Award will be given to Extension Scientists for their outstanding contributions in the field of teaching, research and extension in NEH Region.

Best Extension Professional Award

Award will be given to extension specialists/ professionals for their outstanding contribution in transfer of technology and creating impact among farming community.

Young Scientist Award

Award will be given to Extension Scientists below the age of 45 years for their outstanding contributions in the field of teaching, research and extension.

Best KVK Professional Award

Award will be given to KVK Scientists for their recognized contribution in transfer of technology.

Remarkable Research Work Award

Award will be given to Ph. D Scholars in Social sciences for their outstanding contributions in the field of social research.

Ganga Singh Chauhan Memorial Award

This award will be specially given to meritorious research scholars in the field of extension education for encouraging them.

Note: The Society has the full right for deciding the number of awards. Prescribed Performa for application of award is available on website (www.seea.org.in).

Boarding and Lodging

Accommodation for the participants will be arranged in nearby Hotels only on their confirmation for the participation in advance. Alternatively, you can also book accommodation on your initiative. Reservation of accommodation in will be made to those delegates who send their money in advance. The

cost of lodging has to be met by the participants themselves. Breakfast and lunch on all the four days will be arranged by the organizing committee for the delegates.

REGISTRATION FEES

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|--------------------------|-------|--------|
| Delegates | :Rs. | 6000/- |
| Student delegates | : Rs. | 3000/- |
| Retired Persons | : Rs. | 2000/- |
| Each Accompanying person | : Rs. | 2000/- |
| Foreign delegate | : \$ | 300/- |
| Spot Registration | : Rs. | 8000/- |

Note : The delegates should confirm their participation by **July 31, 2018** through e-mail for comfortable arrangements. Registration fee is to be directly deposit in SEE Account (available on our website) or D.D. drawn in favour of the 'Society of Extension Education' payable at SBI, Bichpuri, Agra. Delegates whose abstracts are accepted may send their registration fees along with the filled in Registration Forms to the General Secretary on or before **August 31, 2018 through e-mail: seeagra@gmail.com** or on www.seea.org.in

Dates to Remember

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|----------------------------------|--------------------|
| Conference Dates | : Nov. 15-17, 2018 |
| Submission of Abstracts | : July 31, 2018 |
| Confirmation of Participation | : August 31, 2018 |
| Submission of Full-length Papers | : August 31, 2018 |
| Application for Awards | : July 31, 2018 |

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