Organizing Secretaries
Dr. K.K. Barman, Joint Director & PS (Soil Science)
Dr. Biswajit Das, PS (Horticulture)

Co-organizing Secretaries
Dr. S.P. Das, PS (Plant Breeding)
Dr. S.N. Bhowmik, PS (Agri. Microbiology)

Workshop Coordinators
Dr. L. Sahoo, Scientist (Fisheries)
Dr. Gulab Singh Yadav, Scientist (Agronomy)
Dr. Chandan Debnath, Scientist (Fisheries)

Workshop Co-Coordinators
Ms. Hemavati R., Scientist (Plant Pathology)
Dr. A. Gangarani Devi, Scientist (Plant Physiology)
Dr. Vinay Singh, Scientist (Poultry Science)
Dr. H. Lembisana Devi, Scientist (Horticulture)
Dr. Rekha Das, Scientist (Fisheries)
Mrs. Kouberi Nath, Scientist (Fisheries)
Mrs. H. Bharati, Scientist (Fisheries)

ICAR Research Complex for NEH Region
Tripura Centre, Lembucherra West Tripura-799210,
Tripura

STATE LEVEL WORKSHOP ON

Sustainable Management of Himalayan Agro-Ecosystem

(July 20, 2016)

Sponsored by

National Mission on Sustaining Himalayan Ecosystem (NMSHE) - Task Force Agriculture

Organized by

ICAR Research Complex for NEH Region
Tripura Centre, Lembucherra
West Tripura-799210, Tripura

Background

North East Himalayan Region of India represents a highly complex, diversified system both in terms of biological and physical aspects. The region has a distinct geographic and ecological entity. The hilly ecosystem is vital to the ecological security of the India's mainland, through providing forest cover, feeding perennial rivers, conserving biodiversity, providing a rich base for high value agriculture, and almighty landscapes for sustainable tourism. Ecologically sensitive mountainous areas are prone to adverse impacts of global climate changes. Increasing temperatures and changing precipitation patterns in the Indian Mountain Region can be expected to influence even more profoundly the regional mountain farming and human populations. The consequences of biodiversity loss from climate change are likely to be the greatest for poor and marginalized people, who depend almost exclusively on natural resources. The fertility of agricultural soil may deteriorate with increased temperature, higher evapo-transpiration rates, and soil erosion from intense precipitation events. Such productivity loss would translate into a greater risk of food insecurity. The direct effects of climate change on animal and fisheries sector will include higher temperatures and changing rainfall patterns, which could translate into the increased spread of existing vector-borne diseases and macro-parasites, accompanied by the emergence and circulation of new diseases.

Capacity to capture, store and apply knowledge relating to the vulnerability and variations in the hilly eco-system over extended periods of time requires specially trained manpower and expertise for sustaining the hilly agriculture in the present era of climate change. Therefore, the aforesaid workshop will be conducted as a part of the capacity building programme under National Mission on Sustaining Himalayan Ecosystem (NMSHE) - Task Force-Agriculture. In this programme, reasons of climate change, its impact on crops and management of natural resources will be addressed. How different adaptation / mitigation practices will sustain the Himalayan agro-ecosystem besides conserving natural resources will be emphasized in this workshop.

Objectives

- *To discuss the wise practices to build resilience, adaptation strategies and sustainable management of the North Eastern Himalayan Agriculture of India.*
- *To document the existing knowledge, biodiversity, best practices and knowledge gaps for sustaining the North Eastern Himalayan Agriculture*

Themes

- *Management and sustainable utilization of agriculture and horticulture resources of NE Himalayan eco-system*
- *Better management and utilization of animal and fisheries resources of NE Himalaya for sustainable production*

Participants

Participants are the professionals of the ICAR institutions, SAUs, CAUs, KVKs and state departments. The number of participants will be fifty to sixty (50-60)

Venue

ICAR Research Complex for NEH Region, Tripura Centre, Lembucherra, West Tripura-799210, Tripura

How to Apply

The participants are requested to send extended summaries with a brief introduction, methodology, result and conclusion. The summaries should be typed in MS word (A4 size) with in 500 words excluding title and affiliations etc. using Time New Roman font (12 point) and double spacing and should send through email directly to the workshop coordinators with the approval of the competent authority of the respective organizations. An advance copy may kindly be sent to- gulab.iari@gmail.com/ chandannath23@gmail.com.

Important Dates

Last date for submission of extended summary: 10 July, 2016; Confirmation of selected summary: 12 July, 2016