

Registration Form

National Seminar on Sustaining Hill Agriculture in Changing Climate (SHACC)

(December 5-7, 2015)

Name:

Designation:

Organization:

Age:

Gender:

Mailing Address:

Phone:

Fax:

Email:

Demand Draft/ online transfer No.

Date:

Amount (Rs.):

(in words)

Note: Bank draft/ online transfer should be made in favour of "Secretary, Indian Association of Hill farming" payable at SBI, ICAR Complex Branch, Umiam, A/C No. 10881245794, IFSC: SBIN0012464.

Title of the paper(s):

Accommodation required: Single/ Double

Type of accommodation: Hotel/ Guest House

Accompanying person:

Date:

Signature:

ORGANIZING COMMITTEE

Chief Patron: Dr. S Ayyappan, Secretary, DARE, and Director General, ICAR, New Delhi

Patrons: Dr. GSG Ayyangar, Principal Secretary (Agriculture and Rural Development), Govt. of Tripura

Dr. KM Bujarbaruah, Vice Chancellor, AAU, Jorhat, Assam

Dr. M Premjit Singh, Vice Chancellor, CAU, Imphal, Manipur

Dr. AK Sikka, DDG, NRM, ICAR, New Delhi

Dr. KR Dhiman, Former Vice Chancellor, YSPUH&F, Solan, Himachal Pradesh

Chairman: Dr. SV Ngachan, Director, ICAR Research Complex for NEH Region, Umiam

Co-chairman: Dr. NS Azad Thakur, Head, NRM, ICAR RC for NEH Region, Umiam

Advisory committee

Dr. PK Mishra, IISWC, Dehradun

Dr. A Pattanayak, VPKAS, Almora

Dr. Alemia Ao, SASRD, Medzhiphema

Dr. Lal Singh, CIH, Medzhiphema, Nagaland

Dr. DK Sarma, NRC on Pig, Rani, Guwahati

Dr. Ch Srinivasa Rao, CRIDA, Hyderabad

Dr. BP Bhatt, ICAR RC-ER, Patna

Dr. PK Ghosh, IGFR, Jhansi

Dr. NP Singh, CCARI, Goa

Dr. Nazeer Ahmad, CIH, Srinagar

Dr. S. Dam Roy, CIARI, Port Blair

Dr. GN Hazarika, AAU, Jorhat

Dr. SK Dhyani, ICAR, New Delhi

Dr. DR Singh, NRC on Orchid, Gangtok

Dr. A Arunachalam, ICAR/DARE, New Delhi

Dr. SM Deb, NRC on Yak, Dirang

Dr. Abhijit Mitra, NRC on Mithun, Nagaland

Dr. D. Kathiresan, Dean, CVS&AH, Mizoram

Dr. DP Sarkar, Govt. of Tripura

Dr. S Das, Govt. of Tripura

Dr. D Das, Govt. of Tripura

Dr. BT Deshmukh, Govt. of Tripura

Dr. Momocha Singh, CPGS, Umiam

Dr. JM Lashram, CAU, Imphal

Dr. RK Saha, CoF, Tripura

Dr. D Sen, COA, Govt. of Tripura

Dr. N Prakash, ICAR RC-NEH, Manipur Centre

Dr. R Bhagawati, ICAR RC-NEH, AP Centre

Dr. BC Deka, ICAR RC-NEH, Nagaland Centre

Dr. SB Singh, ICAR RC-NEH, Mizoram Centre

Dr. RK Avasthe, ICAR RC-NEH, Sikkim Centre

Dr. Satish Chandra, ICAR RC-NEH, Umiam

Dr. AK Misra, NBPGR RS, Shillong

Dr. AS Panwar, ICAR RC-NEH, Umiam

Dr. SK Das, ICAR RC-NEH, Umiam

Dr. RK Singh, ICAR RC-NEH, Umiam

Dr. DJ Rajkhowa, ICAR RC-NEH, Umiam

Dr. Th Premila Devi, ICAR RC-NEH, Umiam

Convener

Dr. Anup Das, Umiam, Meghalaya

Co-Conveners

Dr. A Haldar, Lembucherra, Tripura

Dr. SP Das, Lembucherra, Tripura

Organizing Secretary

Dr. M Datta, Lembucherra, Tripura

Executive Committee

Dr. R Laha

Dr. I Shakuntala

Dr. S Hazarika

Dr. AK Mohanty

Dr. Rajesh Kumar

Dr. Anjani Kumar Jha

Dr. SN Bhowmik

Dr. US Saikia

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Dr. Hemavati R.

Dr. A Ganga Rani Devi

Dr. H Lambisena Devi

Dr. Vinay Singh

Dr. Lopamudra Sahoo

Dr. Rekha Das

Dr. Jayanta Layek

Dr. NA Deshmukh

Dr. Rachna Pande

Dr. Amol K Bhalerao

Mr. Dhiman Das Choudhuri

Address for Correspondence

Logistics/local information

Dr. M Datta, Organizing Secretary, SHACC & Joint Director, ICAR Research Complex for NEH Region, Tripura Centre, Lembucherra, Pin- 799210, Tripura (West)

Mobile: 09436124592; Email: mdatta2@rediffmail.com; mdatta54@gmail.com

Telefax: 0381-2865537/2865201/241-0092

Registration/Abstract submission

Dr. Anup Das, Convener, SHACC & Secretary, Indian Association of Hill Farming, ICAR Research Complex for NEH Region, Umiam, Meghalaya

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National Seminar

on

Sustaining Hill Agriculture in Changing Climate (SHACC)

(December 5-7, 2015)



IMPORTANT DATES

Submission of extended summary : November 20, 2015
Acceptance of extended summary : November 25, 2015
Submission of full length paper : November 30, 2015

Venue

Pragna Bhawan, Agartala

Organized by

Indian Association of Hill Farming

&

ICAR Research Complex for NEH Region
Umiam-793103, Meghalaya

Hill agriculture is confined to Indian Himalayas which spread through 14 states in Western and Eastern regions and cover about 16 % of the geographical area and 4 % of the total population of India. Physiographically, the Himalayan zone could be divided into 3 distinct subzones of high Himalayas (>3000 m), middle Himalayas (900 -3000 m) and lower Himalayas (<900 m). Mountain ecosystems are generally fragile in both Eastern (Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura, Parts of Assam & West Bengal) and Western Himalayas (Uttarakhand, Himachal Pradesh, Jammu & Kashmir). Hill Agriculture has some constraints thus, putting hindrance to sustainability in mountain farming. Some of the constraints are:

- Undulating topography, small fragmented and scattered land holdings, with very limited use of inputs.
- Due to the slopes, soils are prone to erosion, which is aggravated by heavy migratory grazing leading to soil degradation.
- The land is inaccessible, and infrastructure, communications and mobility are obstructed by different physical, biological and socioeconomic factors.
- Despite sufficient water resources, irrigation facilities are meager, and mostly the agriculture is rainfed.
- Improved technology has largely remained confined to irrigated areas and commercial crops.
- Shortage of energy and labour, especially women and children, which constitute 75-80% of family labour.
- Natural disasters like cloudbursts, hailstorms, floods, epidemic diseases, insects and an erratic monsoon.

Land degradation is rampant in the mountain ecosystem and nearly 18% of land in Western and 59% of land in Eastern Himalayas are in degraded state. Shifting cultivation is prevalent mostly in Eastern Himalayas in about 0.88 million hectare. The destabilization of mountain slopes through shifting agriculture is one of the factors to increase the floods in Brahmaputra plains, extension of delta and formation of islands in the Bay of Bengal, massive siltation and reduction of the available water resources. About 85% soils in Eastern Himalayan region of India are acidic with Fe toxicity in lowland and Al toxicity in upland as the major problem for enhancing productivity. Horticulture is an avenue for enhancing farmers' income in hill ecosystem. Livestock and fishery are the integral part of farming systems and there is urgent need for identifying location specific efficient farming system for food and nutritional security as the land to man ratio is decreasing every year. The productivity and feed conversion efficiency of livestock in hills are very low. Climate change associated impacts are more frequently realized in agriculture and manifested in terms of droughts, floods, landslides etc. Thus, there is urgent need for developing and disseminating climate smart farming technologies to the farming communities. Feed and fodder resource development is the key for sustaining livestock sector in the region. In spite of the very good potential, fish productivity in Eastern Himalayan region of India remains low and the region still imports most fish from other states. Enhancing water productivity in agriculture under hill ecosystem is another area of concern.

Conservation Agriculture is increasingly looked upon as an avenue to achieve sustainability in production in Agriculture and allied sectors with an approach towards nurturing environment. Mechanization is in infant stage in Himalayan states especially in north east (NE) India. There is urgent need to identify and popularize the location specific farm mechanization to reduce drudgery particularly for women involved in agriculture. The secondary agriculture is regarded as a sunrise sector for the Indian economy, owing to immense untapped potentials. Attracting Rural Youths in Agriculture (ARYA) and entrepreneurship development among youths are the major challenges. To sustain agriculture in Himalayas, Department of Science and Technology and Indian Council of Agricultural Research (ICAR) has initiated National Mission on Sustaining Himalayan Ecosystem (NMSHE)- Task Force on Agricul-

ture. The proposed seminar will provide a platform for the scientists, researchers, policy maker, entrepreneurs and other stakeholders like state government officials and farmers for cross learning and identifying the technology for sustainable hill farming with an approach to resource conservation, mechanization and secondary agriculture so as to enable the farmers to reap more economic gain/profit from the farming. Farmers who have a tendency to make themselves absorbed in profession other than agriculture, will have more involvement in the agriculture and allied sectors and enrichment in agrarian economy will be made for the better livelihood options for the farming communities of mountain regions with special emphasis in NE India.

SEMINAR VENUE

The National seminar will be held at 'PRAGNA BHAWAN', Agartala, Tripura

THEMES AND SUB-THEMES

Farming system approach for natural resource conservation and food security

- Integrated farming systems
- Conservation agriculture
- Agroforestry
- Crop improvement
- Germplasm management

Potentialities of horticulture in hill farming

- Fruits and vegetables
- Floriculture and landscaping
- Spices and plantation crops
- Medicinal and aromatic plants

Climate change- adaptation and mitigation strategies for hills

- Stress tolerant crops, livestock
- Climate smart farming options
- Simulating agricultural processes

Integrated soil, water and nutrient management

- Integrated nutrient management
- Integrated watershed approach
- Input use efficiency and soil quality

Organic farming and natural farming

- Organic inputs
- Nutrient management
- Pest and disease management
- Value addition and certification

Improved shifting cultivation practices

- Cropping systems and agroforestry
- Soil and water conservation
- Farming systems for shifting cultivation
- Socio-economic aspects

Farm mechanization and secondary agriculture

- Mechanization for hills and small holders
- Processing and value addition
- Energy management in agriculture
- Entrepreneurship development

Plant and animal health management

- Integrated insect and disease management
- Integrated weed management
- Zoonotic diseases
- Trans-boundary and emerging diseases

Livestock, poultry and fisheries in agriculture

- Small holders livestock farming
- Dairying as avenue for livelihood
- Piggery, poultry and goat farming
- Mithun and yak husbandry
- Backyard fish farming
- Aquaculture diversification

Technology dissemination

- Participatory research and extension
- Capacity building
- Market intelligence
- ITKs in agriculture
- IPR issues

OFFICIAL LANGUAGE

English is the official language of the seminar

CALL FOR EXTENDED SUMMARY

Extended summaries of unpublished research works are invited for presentation. Extended summaries are to be submitted preferably through email attachment to the secretary, Indian Association of Hill Farming (shacc2015@yahoo.com) in MS word typed in double space and maximum of 1500 words. The title should be followed by name of authors with the name of the person presenting underlined and their affiliation. Extended summary (font Times New Roman, 12 points) should be divided into introduction, methodology, and results and discussion with maximum of one table and figure. Maximum of five references may be included. For formatting and style, Indian Journal of Agricultural Sciences may be referred.

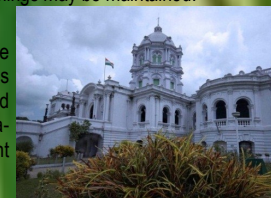
PRESENTATION

Abstracts in different theme areas as mentioned will be selected for oral/ poster presentation. The lead speaker will be given 20 minutes time (including discussion)

for presentation. The speakers of contributory papers will given 8 minutes (Max. 8 slides) including discussion. For poster presentation, the size of the poster should be 48"(L) and 36"(W) following standard formatting. Since oral papers and posters will be evaluated for awards, strict norms and timings may be maintained.

Field visits and excursion trips:

Visits to farmers field and historical places will be organized on payment basis. Agartala is famous for beautiful palaces, monuments, temples and handicrafts. Ujjayanta Palace, Nirmahal, Matabari, Kasba Kali Bari etc. are some of the important tourist attraction in and around Agartala.



REGISTRATION FEE

Type of participants	On or before 20 November	After 20 November
Scientist/ Teachers	Rs. 4000	Rs. 4500
Research Scholars/ Students	Rs. 1500	Rs. 2000
Accompanying person (each)	Rs. 1000	-

Registration fee should be paid through demand draft/online transfer in favour of Secretary, IAHF, Umiam payable at SBI, ICAR Complex Branch, Umiam, A/c no. 10881245794, IFSC: SBIN0012464.

SEMINAR PROCEEDINGS

Key-note deliberations and abstract book shall be released during the seminar. The proceeding of the seminar containing full length papers will be published after the seminar. Selected papers will be published in Indian Journal of Hill Farming (NAAS rating 2.89) after reviewing by the editorial committee.

Awards

Indian Association of Hill Farming announces following annual awards for the year 2013 and 2014. Guidelines and application can be obtained from <http://www.kiran.nic.in/ljhfh.html> or from the Secretary, IAHF, Umiam.

Best M.Sc. Thesis Award- 2013 & 2014 (02 awards)

Best Ph. D. thesis award-2013 & 2014 (02 awards)

Young Scientist award-2013 & 2014 (02 awards)

Best extension scientist award-2013 & 2014 (02 awards)

Best research paper published in IJHF -2013 & 2014 (02 awards)

IAHF Fellow- 2013 & 2014 (Total 08 numbers across the discipline)

In addition, best oral and poster paper award will be given during the seminar. For IAHF fellow, the total service length should be at least 10 years (at least 3 years in hills) and life membership of IAHF for 3 year is prerequisite. For best research paper award, a committee appointed by the society will select best entry from the published papers during the respective years and thus, no need to apply for the same. Life membership certificate will be given to all the life members of the society during the seminar. For all the awards, life membership is compulsory to be taken before the last day of application. The duly filled application for the awards should be submitted through proper channel to the **Secretary, Indian Association of Hill Farming, Umiam, on or before November 10, 2015.**

ACCOMODATION

Accommodation in Govt. Guest Houses and hotels with tariffs ranging from Rs. 1500 to 4000 per day for single/ double occupancy are available. Advance accommodation will be booked only for those who has submitted registration fee in advance. Advance payment for hotel charges is solicited to avoid last minute rush.

ROAD MAP AND WEATHER

The Agartala city is well connected by road and air route from places like Kolkata, Guwahati, New Delhi etc. Weather during the seminar will be cool and dry with temperature ranging from 10-20°C. Woolen clothes will be required.