

# National Seminar on

## Emerging Challenges and Prospective Strategies for Hill Agriculture in 2050



North eastern hills region of India is one of the 12 mega centers of diversity in the world by virtue of its diverse genetic, species and ecological diversity. However, the hill ecosystem is fragile, inaccessible, complex and diverse in characteristics. High intensity rainfall, steep slopes, increasing population and urbanization lead to excessive soil erosion and degradation of associated natural resources. Livelihood dependency of majority of the population on shifting cultivation further adds to the problem of land degradation. In shifting agriculture practices the soil erosion can go as high as 40 tons per hectare per annum. Hill states constitute about 20.3% of the total land and affect directly or indirectly nearly half of the Indian population residing in downstream areas. Both the onsite and offsite effects of the hills influence the lives and property of people both in the upstream and downstream. The region is expected to be highly prone to the consequences to climate change because of its geo-ecological fragility, strategic location vis-à-vis the eastern Himalayan landscape and international borders, its trans-boundary river basins and its inherent socio-economic instabilities. Environmental security and sustainability of the region will be greatly challenged by these impacts.

This seminar will provide a common platform for the scientists, researchers, policy makers, entrepreneurs and other stakeholders to explore the various aspects of emerging challenges in agriculture and allied sector. The event is expected to discuss the prospective strategies in issues related to natural resource management, organic agriculture, livestock based business opportunities, climate smart agriculture, value addition and policy issues on marketing etc. for transforming the existing hill agriculture into self sustainable and emerging dollar earner in 2050.

### SEMINAR VENUE AND DATES

The National Seminar will be held at ICAR Research Complex for NEH Region, Nagaland Centre, Jharanapani, Nagaland during January 20 - 22, 2014.

### THEMES

- ❖ Soil and water management for higher productivity and profitability
- ❖ Resilient farming for mitigating climate change
- ❖ Organic agriculture for export
- ❖ Crop diversification and intensification through farming system
- ❖ Livestock and fishery production for nutritional security and business opportunities
- ❖ Processing and value addition for loss reduction and maximization of farm returns
- ❖ Supply chain management for smart marketing
- ❖ Socio-Economic, institutional and policy issues for promotion of export oriented agriculture

### OFFICIAL LANGUAGE

English is the official language of the Seminar.

### CALL FOR EXTENDED SUMMARIES

Extended summaries of unpublished research work related to the seminar themes are invited for presentation. Extended summaries are to be submitted preferably through e-mail attachment at [ecpsha2050@gmail.com](mailto:ecpsha2050@gmail.com) in MS Word typed in single space and maximum of 300 words. The title (14 points/Arial) should be followed by name of Author/Authors with the name of the person presenting underlined and their affiliation (12 points /Arial). Full text (10 points/Arial) of extended summary should follow the affiliation.

### PRESENTATION

Abstracts in different theme areas will be selected for oral/poster presentation in each session. Facilities for power point presentations will be provided for the presenting author. A maximum of 25 minutes will be allotted for lead speaker and 8 minutes for other presentation including discussion. The speakers are advised to make presentations accordingly. For poster presentation, the topic should be informative, attractive, and self explanatory. The size of the poster should be 48" (L) X 36" (W).

**Venue:** ICAR Research Complex for NEH  
Region Nagaland Centre, Jharanapani,  
Medziphema – 797 106, Nagaland

**Date:** January 20 – 22, 2014



**Organized by**

**Indian Association of Hill Farming  
&**

**ICAR Research Complex for NEH Region,  
Umiam, Umroi Road, Meghalaya 793 103**

## DATES TO REMEMBER

Submission of extended Summaries	<b>Dec 24, 2013</b>
Acceptance of extended Summaries	<b>Dec 31, 2013</b>
Submission of full manuscripts	<b>Jan 10, 2014</b>

## REGISTRATION FEE

Scientists / Teachers	<b>Rs. 3000/-</b>
Research Scholars/Students	<b>Rs. 1500/-</b>
Accompanying Person (Each)	<b>Rs. 2000/-</b>

## SEMINAR PROCEEDINGS

The proceeding of the Seminar containing full length papers and key-note deliberations shall be released during the seminar.

## ACCOMMODATION

A wide range of accommodation in simple to multi-star hotels at Dimapur city, in the vicinity of the Seminar venue, is available. The tariffs at the current rates are in the range of Rs. 1500/- to Rs. 5000/- per day for single occupancy. Limited accommodation is available in various guest houses near the venue.

## ROADMAP AND WEATHER

The seminar venue is located 24 km from Dimapur city on Dimapur - Kohima highway. Dimapur city is well connected by road, rail and air route. There are direct trains for Dimapur from Delhi and Kolkata. Moreover, daily train services and bus services are available from Guwahati to Dimapur. Dimapur is connected with air via Kolkata to major Indian cities. Weather during the seminar will be cold with the temperature range of 8 - 20°C. Light Woolens cloth will be required during the period.

## ORGANIZING COMMITTEE

**Chief Patron: Dr. S. Ayyappan**, Secretary, DARE & DG, ICAR, Krishi Bhavan, New Delhi

**Patron: Dr. A.K. Sikka**, DDG (NRM), ICAR, KAB II, Pusa, New Delhi

**Chairman: Dr. S. V. Ngachan**, Director, ICAR Research Complex for NEH Region, Umiam, Meghalaya

**Co-Chairman: Dr. A.K. Pattanayaka**, Pr. Scientist & Head, Biotechnology Centre, ICAR Research Complex for NEH Region, Umiam, Meghalaya

**Convener: Dr. R. K. Singh**, Pr. Scientist & Head, Division of Agricultural Engineering, & Secretary, Indian Association of Hill Farming, ICAR RC NEH, Umiam, Meghalaya  
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**Co Convener: Er. Arvind Kumar**, Scientist, Division of Agricultural Engineering, & Treasurer, Indian Association of Hill Farming, ICAR RC NEH, Umiam, Meghalaya  
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## Organizing Secretary

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## Co-organizing Secretary:

**Dr. Manas Kumar Patra**, Scientist (AR), ICAR Research Complex for NEH Region, Nagaland Centre, Jharnapani, Medziphema, Nagaland - 797 106; Tele- Fax: 03862 - 247241; Mobile: +919402830068; Email: [drmanas01@gmail.com](mailto:drmanas01@gmail.com)

## Address for Correspondence:

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**For all e-mail correspondence:**  
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## Format of Registration Form

### National Seminar on

### Emerging Challenges and Prospective Strategies for Hill Agriculture in 2050 (January 20 – 22, 2014)

Name : .....

Position : .....

Organization : .....

Age : .....

Gender : .....

Mailing Address : .....

Phone : ..... Fax : .....

Email : .....

Demand Draft No : ..... Date : .....

Amount (Rs.) : ..... (in words) : .....

*Note: Bank draft should be made in favour of "Indian Association of Hill Farming", payable at SBI, ICAR Complex Branch (Code: 12464), Ri Bhoi, Meghalaya*

Title(s) of the : .....  
paper (s): .....

Accommodation required : Single / Double

Type of Accommodation : Hotel / Guest House

Accompanying Persons : .....

Date:

Signature