Application for Participation in Short Course
Advances in Climate Resilient Soil Management for Sustainable Hill Agriculture
November 01-10, 2017

1. Name: ......................................................................................................................
2. Designation: ..............................................................................................................
3. Present Address: ......................................................................................................
4. Correspondence Address to which reply should be sent (along with mobile, telephone and E-mail): ........................................................................................................
5. Date of birth: .............................................................................................................
6. Gender: Male/ female
7. Teaching/Research/Professional Experience (Mention post held during last five Years and No. of Publications) ........................................................................................
8. Marital status: Married/ Unmarried
9. Mention if you have participated in any Research Seminar/Short course/Summer and winter school during the previous year under ICAR / other organization

10. D.U/postal order No.---------------- of Rs. 50.00 dated----------------
11. Academic Record:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Discipline</th>
<th>Year</th>
<th>University</th>
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<td>Ph.D.</td>
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<td>Master</td>
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<td>Bachelor</td>
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Date: ................................................... (Signature of the candidate)
Place: ....................................................
12. Recommendation of Forwarding Authority:
It is certified that the information furnished by the candidate has been verified and found correct.

Signature of the Sponsoring Authority with seal

Contact Information

Dr. Pradeep Kumar Rai,
Sr. Scientist (Soil Science)
Advanced Centre for Horticulture Research, SKUAST-J
LidheYWalla, Jammu 180018
(M) +91- 9419155561, +91- 7298729990, +91-9419129844
E-mail: pradeeppr2000@gmail.com

Short Course on
Advances in Climate Resilient Soil Management for Sustainable Hill Agriculture
November 01-10, 2017

Sponsored by
Indian Council of Agricultural Research

Course Director
Dr. Pradeep Kumar Rai
Senior Scientist (Soil Science)

Course Coordinators
Dr. Vikas Sharma
Associate Professor (Soil Science)
Dr. Vivak Manohar Arya
Asstt. Professor (Soil Science)

Sher-e-Kashmir
University of Agricultural Sciences & Technology of Jammu
Chatha, Jammu, J&K 180009
PREAMBLE

The pace and extent of change in climate across the world is widespread and undisputed. Agriculture and food security are projected to be the major causalties of climate change in India. Studies have given concrete evidence of climate change and variability on various aspects of agriculture that include impact on soils, incidence of new pest and diseases, declining yields etc. Rising population, rapid urbanization, industrialization, deforestation and waste production, all contributors to this climate change phenomenon, are putting enormous pressure on our natural resource base and have led to qualitative and quantitative degradation of land, water, air, and bio-resources. Globally, 25 percent of planet land is highly degraded. A sustainable agricultural production through the adoption of best management practices could produce up to 58 percent more food than intensive management systems. It requires a holistic approach to mitigate these effects through diverse farming strategies with inclusion of agro-ecology, organic farming, conservation agriculture, agroforestry etc.

In this context, a 10 days training is to be organized to enhance the understanding of researchers and extension workers on advances in climate resilient soil management for sustainable hill agriculture for enhancing resource use efficiency, sustainable management practices and improving quality of soils and the produce. Emphasis will be given on various topics of soil management including C-sequestration, soil quality indicators, organic agriculture, microbial contribution towards soil health. Improved composting methods and biofertilizers. In addition, practical sessions and field/visit, model village visit and Advanced facilities like Biotechnology, Bio-Control Lab, organic farm etc. will be organized to develop capacity and skill of the trainees.

COURSE CONTENT

The Course status will broadly cover following topics: (i) Recent Advances in Integrated Nutrient management for sustainable Soil Health (ii) Microbial Approaches for Remediation and Health management (iii) Carbon sequestration: potential to mitigate climate change (iv) Climate change and mitigation strategies in India (V) Soil management strategies for climate mitigation and sustainable agriculture (VI) Precision Agriculture for sustainable soil health in changing climate scenario (VII) Green manuring: A tool for sustainable Soil health (VIII) Conservation Agriculture for sustainable soil health (IX) Integrated Crop and Livestock management for sustainable soil health (X) Water Management Strategies for Sustainable soil health. Practical sessions on advance facilities/equipments and presentations from trainee (5 slides/10 minutes each).

WHO CAN APPLY

Master Degree in Soil Science, Agricultural Chemistry, Agronomy, Agroforestry, Horticulture, Extension, Environmental Sciences and working not below the rank of Asstt. Professor /Equivalent in the concerned subject in Universities/ICAR Institute.

REGISTRATION FEES

The participants are requested to pay the sum of Rs 50/- (rupees Fifty only) as demand draft/postal Order towards registration fee (non-refundable) in favour of Comptroller, SKUAST-J, Chatha, Jammu 18009 Payable at Jammu.

BOARDING AND LODGING

The lodging, boarding and travel expenses of the selected participants will be borne by the training budget as per the university norms. Actual TA will be paid on the production of tickets. The travel expenses will be restricted to a maximum of II AC sleeper charges of the train or bus and will be based on the criterion of pay scale of participants.

HOW TO REACH

Jammu is the one of the most beautiful, historical and holy city of northern state of J&K, also known as City of Temples. Jammu is also an abode of much believed Hindu deity – the Mata Vaishno Devi Mandir. This has made Jammu a major pilgrimage centre for Hindus. It is easily reachable from all parts of the country by air, rail and road. The city of Jammu has an excellent network of roads to ensure comfortable journey. Railway station is well within the city. Jammu Airport is located at a distance of 4 km from city.

Weather: Autumn season lasts from September to November. This is the flowering season in Jammu, which is a great time to visit this place. In the month of November the maximum temperature would be around 30°C and minimum 10°C

ABOUT SKUAST-JAMMU

The establishment of SKUAST of Jammu has in its background aspirations, commitment and missionary zeal to fulfill the area specific needs of people of Jammu for research and development in the fields of agriculture and allied sectors under the diversified agro-climatic conditions. SKUAST of Jammu inherited meagre assets and very little staff that was deployed at various Research stations and sub stations of erstwhile SKUAST(J&K) to carry on the mission of agriculture research and development. To meet the demand of trained manpower of development departments and face the challenges in agriculture under the clout of liberalization, privatization and globalization, the pursuance of academic excellence and production of need based trained graduates has been given due priority. The university has been actively involved in the transfer of evolved technologies to the end users through the strong extension system. The technologies developed, tested and refined are disseminated for adoption by farmers through adoptive trials and front line demonstrations through Krishi Vigyan Kendras.