How to Reach ICAR-NIASM





Mandate

Basic and strategic research on management of abiotic stresses in crop plants, livestock, fishes and soil microorganisms

Impart quality education in abiotic stress management and emerge as a Global Centre of Excellence

Repository of information on abiotic stresses, mitigation strategies and acceptable policies for knowledge sharing and capacity building

> Develop linkages for holistic management of abiotic and biotic stress factors

PATRON Jagadish Rane (Director) ICAR-National Institute of Abiotic Stress Management

COURSE DIRECTOR

Dr. G.C. Wakchaure Scientist SS (Agril Structure & Processs Engg)

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Directorate of Extension Ministry of Agriculture & Farmers Welfare Government of India

Model Training Course On

Climate Change and Abiotic Stress Management Strategies for Enhancing Crop Productivity and Farmers Income

(January 4-11, 2020)





Organised by



School of Drought Stress Management ICAR-National Institute of Abiotic Stress Management

IN-NATIONAL INSTITUTE OF ADJOINT SILESS MANAGEMEN

Malegaon, Baramati, Pune, Maharashtra - 413 115

Sponsored by

Directorate of Extension Ministry of Agriculture & Farmers Welfare (Department of Agriculture, Cooperation & Farmers Welfare) Government of India, New Delhi

Model Training Course On

Climate Change and Abiotic Stress Management Strategies for Enhancing Crop Productivity and Farmers Income

This training programme is designed to deliver and sensitize extension functionaries, faculties and research scholars with basic knowledge in the sphere of "Climate Change and Abiotic Stress Management" technologies and strategies. Their potential applicability for enhancing crop productivity and farmers income by alleviation of abiotic stresses in agriculture under present climate change scenario. The training schedule is enunciated in such a way that the trainees will secure hands on experience with latest abiotic stress management techniques and their application for transforming and reorienting agricultural development under the new realities of climate change and abiotic stress management.

The ICAR–National Institute of Abiotic Stress Management (NIASM) is a deemed to be University of its kind, focusing on cutting edge multi disciplinary research in area of abiotic stresses and provides policy support for their management in agriculture through mitigation and adaptation technologies.

Course Content

About the abiotic stress : Introduction to major abiotic stressors and its impact on agriculture, management practices and advanced technologies for mitigating the major abiotic stresses in crops, animals and fishery. Current status, need based climate smart agriculture approaches for enhancing crop productivity and farmers income underabiotic stress conditions

Climate change, food security and climate smart agriculture : Climate change, challenges and impact, climate change policies to ensure food security, key characteristics of CSA, ICT's and mobile apps for climate smart agriculture

Water and **soil management** strategies for enhancing crop productivty : Water energy food nexus, soil-water-plant relationship, guidelines for water conservations, crop water productivty functions and low external input and sustainable agricultural practices, irrigation scheduling and water management strategies

Climate resilent crop production system for abiotic stresses mitigation : Conservation agriculture system, precision farming, organic and inorganic inputs, tillage and nutrient management system, integrated pest management, crop selection, rotation and integrated farming for sustainability

Climate resilient **horticulture** : Climate resilient approches and practices for abiotic stress alleviation in major horticulture crops, protected horticulture, secondary and tertiary value addition **Novel microbial, biotechnological and phenomics approaches for enhancing crop and water productivity :** Microbial mediated abiotic stress alleviation, biotechnological approaches for identifying climate resilient crop plants, phenomics for enhancing intrinsic water use efficiency and screening of abiotic stress tolerance cultivars

Location and Weather Conditions

Baramati has a pleasant climate and is well connected by road, rail and air (Pune). Baramati is located at 120 km from Pune. The weather during the training period will be ambient and pleasant. The temperature during the training period will be around $26-28^{\circ}C(day)$ and $18-20^{\circ}C$ (night).

Eligibility

Field level Extension functionaries/ Researcher/ Field level Officers (AO/ADO/ADA/SMS etc.) nominated by State Development Departments (Agriculture, Horticulture, Animal husbandry, Dairy, Fishery etc.) of all the States /UTs.Permanent faculty member of organizations viz.,ICAR, SAUs, KVK, Universities /Institutes etc. A total of 20 candidates will be selected for this course. A screening/ assessment committee as per the stipulated guidelines of the DOE will make the final selection of the participants for aforesaid model training course (MTC).

How to Apply?

The participants should send the application in the given format through proper channel duly recommended by the competent authority to the Director, ICAR–National Institute of Abiotic Stress Management, Malegaon Khurd, Baramati–413115, Pune (M.S.). The applicant may also send an advance copy of their filled application by email at director.niasm@icar.gov.in and goraksha.wakchaure@gmail.com, latest by 15th, November, 2019. The last date for receipt of applications complete in all respects is 30th, November, 2019. Application form can be downloaded from ICAR–NIASM website www.niam.res.in.

Selection procedure

Final selection will be made only after the receipt of hard copy of application forwarded by the competent authority on first come and first served basis. The selected candidates will be informed by post or email within a week after the last date of receiving application.

Accommodation and Travel

Reimbursement of travelling expenses to the trainees nominated by State Development Departments shall be made as per their entitlement and GOI norms specified in the Guidelines for organizing MTC. In case, the trainees from other organizations viz., ICAR, SAUs, KVKs etc., their TA/DA may borne by their respective organization/institute. However, all trainees, may avail the lodging/boarding and other facilities in the host training institutions (ICAR–NIASM).

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APPLICATION FORM

Name :						
Designation :						
Present employer with full address :						
Address for communication :						
Telephone : (R)	(O)	Fax :				
Email :						
Date of birth :		Sex : Male [] Female []				
Extension, teaching, research, professional experience : Yes [] No []						

Academic Record

Degree with Specialization	Year of Passing	Institute / University	OGPA
UG			
PG			
Ph.D.			

Details of the training attended during the last two years

1.			
2.			

Signature of applicant with date and place

Recommendation of the forwarding authority

Certificate

Certified that the information furnished by the applicant is found to be correct

Signature and designation of the sponsoring authority