



भाकृअनुप - राष्ट्रीय अजैविक स्ट्रेस प्रबंधन संस्थान
ICAR - NATIONAL INSTITUTE OF ABIOTIC STRESS MANAGEMENT
भारतीयकृषिअनुसंधानपरिषद, कृषि अनुसंधान एवं शिक्षा विभाग

Indian Council of Agricultural Research, Department of Agricultural Research & Education
कृषि एवं किसान कल्याण मंत्रालय, भारत सरकार

MINISTRY OF AGRICULTURE & FARMERS WELFARE, GOVERNMENT OF INDIA
मालेगांव, बारामती, पुणे - 413 115, महाराष्ट्र, भारत

Malegaon, Baramati- 413115, Pune, Maharashtra, India



Dr. Narendra Pratap Singh
Director

F. No: NIASM/14-50/2017

Dated: September 6, 2017

Sub: Model Training Course (MTC) on “*Climate Smart Agriculture for Enhancing Crop and Water Productivity under Abiotic Stress Conditions*” to be held from 16-23 December, 2017 at ICAR-NIASM, Baramati reg.

Sir,

I am happy to inform that a model training course as above will be conducted at this institute from December 16-23, 2017. The training programme is being sponsored by the Directorate of Extension, Ministry of Agriculture & Farmers Welfare, Govt. of India. It is proposed to impart training for 20 participants in the area of “*Climate Smart Agriculture*” technologies. The programme details and format of application form is attached herewith. Interested candidates may please submit their application to the Director ICAR-NIASM/Course Director by 20th November, 2017.

It is further requested to give wider publicity to the aforesaid model training course and kindly nominate one or two persons working in your Department/Institute/University/KVK to participate in this training programme

With kind regards,

Yours sincerely,

(Narendra Pratap Singh)

To,

Vice-Chancellor/Directors of Extension of Agricultural Universities
Directors of ICAR Institutes
Program Coordinators of KVKs
Directors of State Development Department

How to Reach ICAR-NIASM



Distance : Pune to Baramati - 120 km
 Pune to NIASM - 110 km
 Baramati to NIASM - 10 km



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

Dr. Narendra P. Singh (Director)

ICAR-National Institute of Abiotic Stress Management

COURSE COORDINATORS

Dr. K. K. Meena, Senior Scientist (Microbiology)

Dr. Yogeshwar Singh, Senior Scientist (Agronomy)

Dr. D.D. Nangare, Scientist SS (Soil & Water Conservation Engg)

Dr. B.B. Gaikwad, Scientist (Farm Machinery & Power)

Dr. R. L. Choudhary, Scientist SS (Agronomy)

For details please contact to

Dr. G.C. Wakchaure, Scientist SS (Agricultural Structure & Process Engg)
Course Director

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

Malegaon, Baramati-413115, Pune (Maharashtra)

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सत्यमेव जयते

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

Model Training Course On
Climate Smart Agriculture for Enhancing Crop and
Water Productivity under Abiotic Stress Conditions
 (December 16-23, 2017)



Organised by

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

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 Smart Agriculture for Enhancing Crop and Water Productivity under Abiotic Stress Conditions

This training programme is designed to deliver and sensitize young extension functionaries, faculties and research scholars with basic knowledge in the sphere of "Climate Smart Agriculture (CSA)" based technologies. Their potential applicability for enhancing crop and water productivity by alleviation of abiotic stresses in agriculture. The training schedule is enunciated in such a way that the trainees will secure hands on experience with latest CSA 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 its 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. Current status, need based climate smart agriculture approaches for enhancing crop and water productivity under abiotic 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 for climate smart agriculture :

Water energy food nexus, soil-water-plant relationship, guidelines for water conservations, irrigation scheduling and water management strategies

Climate smart crop production system for abiotic stresses mitigation :

Conservation agriculture system, organic and inorganic inputs, tillage and nutrient management system, integrated pest management, crop selection and integrated crops for sustainability

Climate smart Horticulture : Climate smart approaches 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°C (day) and 18–20°C (night).

Eligibility

Extension functionaries/ Researcher/ 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 31st, October, 2017. The last date for receipt of applications complete in all respects is 20th, November, 2017. 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. 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). Expenses towards lodging/boarding will be borne by the ICAR–NIASM from the grant of DOE.

Model Training Course on

Climate Smart Agriculture for Enhancing Crop and Water Productivity under Abiotic Stress Conditions

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