

Application form for Participation in Training Course

on

“SMART BREEDING FOR CLIMATE RESILIENT AGRICULTURE”

(22nd Nov' 2023 to 12th Dec' 2023)

- 1 Full name (in block letters) :
- 2 Designation & Pay scale :
- 3 Present employer and address :
(Office Phone No., Mobile No., e mail ID)
- 4 Postal address to which reply should :
be sent (in block letters) (Give Email id)
- 5 Permanent address :
- 6 Date of birth :
- 7 Sex: Male/ Female :
- 8 Teaching/ Research/ Professional :
experience (mention post held during last 5 years and number of publications)
- 9 Marital status Married/Unmarried) :
- 10 Mention if you have participated in :
any research seminar, summer, winter schools/ short courses etc. during the past five years under ICAR/ other organizations.
- 11 Academic record :

Degree	Main/ Subsidiary Subjects	Year of passing	University/ Institution
B Sc.,			
M Sc.,			
Ph.D.,			

Other certificates/ diploma/ degree etc.

Current field of Research:

Date:

Place:

Signature of the applicant

Recommendation of the forwarding Institute

Signature with designation
and address of the recommending authority

Certificate

It is certified that the information furnished has been verified with the office record and found correct.

Signature with designation

(Office seal)

Course Director	
Dr. R. Ravikesavan	Director, CPBG E-mail: directorcpbg@tnau.ac.in Phone: 0422-2963434 Mobile : 09952817211
Course Co-ordinators	
Dr. T. Kalaimagal	Professor (PBG) and Head , Genetics and Plant Breeding, Mobile: 09486231385
Dr. D. Kumaresan	Professor (PBG), CPBG Mobile: 09443409996
Dr. Asish K Binodh	Associate Professor (PBG), CPBG Mobile: 09443962609
Centre for Plant Breeding and Genetics Tamil Nadu Agricultural University Coimbatore - 641 003 , Tamil Nadu	

Applications are to be uploaded in CBP portal

All the other communications are to be made to the
Course Director

E.Mail: directorcpbg@tnau.ac.in

TAMIL NADU AGRICULTURAL UNIVERSITY



ICAR – CAFT in GPB
Training on

SMART BREEDING FOR CLIMATE RESILIENT AGRICULTURE

(22nd Nov' 2023 to 12th Dec' 2023)

Circular & Application

*Centre of Advanced Faculty Training in
Genetics and Plant Breeding*

Centre for Plant Breeding and Genetics
Tamil Nadu Agricultural University
Coimbatore – 641 003



Training course on “SMART BREEDING FOR CLIMATE RESILIENT AGRICULTURE”

The world's agricultural landscape is confronting unprecedented challenges driven by the rapidly changing climate. Escalating temperatures, capricious rainfall patterns, and a surge in extreme weather events are exerting immense pressure on global food production systems. In this critical juncture, plant breeding emerges as the linchpin to shield humanity from impending agricultural threats posed by climate fluctuations, evolving pests, and diseases. A fundamental facet of this endeavor lies in unlocking the genetic diversity stored within plants, particularly in wild germplasm, which is indispensable to every crop improvement initiative.

With a burgeoning global population, ensuring food security is imperative. To meet this monumental challenge, it is essential to develop agricultural practices that exhibit resilience to the shifting climate. This necessitates the development of climate-resilient crop varieties, achieved through the utilization of smart breeding tools and techniques.

Smart Breeding represents a revolutionary approach, capitalizing on cutting-edge technologies and data-driven insights to expedite the development of climate-resilient crop varieties. This paradigm shift harmoniously combines traditional breeding methodologies with contemporary genomic tools, precision agriculture and artificial intelligence, forging a formidable arsenal to combat the multifaceted challenges posed by climate change. Hence, to impart knowledge in the younger plant breeders, this training programme is being organized.

Objective

This training programme will be useful in learning about the recent advances in genomics, high throughput phenomics, sequencing and breeding methodologies, cutting-edge genome-editing tools integrated with artificial intelligence and will provide hands on experience to the trainees.

Theme

This course is designed for young plant breeders who wish to incorporate modern innovative breeding approaches in their work. Areas covered include the following:

1. Innovation and Technology Integration for mitigating the needs of climate resilient crops
2. Tapping the genetic diversity stored within plant species
3. Application of Genomics for biotic and abiotic stress tolerance for climate change
4. High throughput phenotyping and genotyping
5. Climate-resilient varieties for ensuring food security for a growing global population.
6. To develop agricultural systems that are resilient to climate change and sustainable with environment

About the training

The training will comprise lecture and practical sessions handled by experts from this University and also by invited experts from other Universities / Institutions.

Date and Venue

The training programme will be organised for 21 days from **22.11.2023 to 12.12.2023** at Centre for Plant Breeding and Genetics, Tamil Nadu Agricultural University, Coimbatore.

Accommodation and Travelling Allowance

Boarding and lodging will be provided to the participants during the training period at the Tamil Nadu Agricultural University Campus, Coimbatore according to the budget provided by the ICAR.

Travel in the train (other than Shatabdi or Rajdhani) by AC II tier or AC III tier will be reimbursed to the concerned by the CAFT centre, the subject to the proof of travel and availability of funds.

About TNAU

Participants reaching Coimbatore by road or by rail (Railway Station) can use the State Transport Buses (1A, 1D, 70 & 1C) plying to Vadavalli and get down at Botanical Garden, University gate. Alternatively, for information, they can make use of

auto rickshaws/ call taxis available at the outside of bus stand/ railway station. During November - December, the weather at Coimbatore will be slightly cool and pleasant.

Number of participants

The number of participants is restricted to 25.

Eligibility

The training programme is open to faculty working not below the rank of Assistant Professors from SAU's / ICAR Institutes. The candidate should possess M.Sc.(Ag.)/Ph.D. in Plant Breeding and Genetics / Genetics with a minimum of two years of teaching or research experience. The age of the participants should **not exceed 45 years as on 06.09.2023.**

How to apply

The participant should submit application in the prescribed format given below only online using CBP portal through <https://cbp.icar.gov.in>. Before filling the online application, Principle approval of competent authority may be obtained by the individual. After filling the online application, take a printout of the application and get it approved by the competent authority of the organization. Upload the scanned copy of application through CBP portal **on or before 10.11.2023.**