

# Hands-on Training Program in Tissue Culture of Banana G-9

17<sup>th</sup> to 21<sup>st</sup> January, 2023



Dept. of Genetics & Plant breeding,  
COA, CAU, Imphal

## About the Institution

College of Agriculture, Imphal, formerly known as Manipur Agricultural College, is the first constituent college of Central Agricultural University, established in 1993 under the Central Agricultural University act passed by the Parliament of India. The College Campus is located at Iroisemba, a distance of 5kms from Imphal City. The College is reputed for its highly qualified and well experienced faculty, dedicated staff. The College is committed to advance knowledge by providing quality education, research facilities and by promoting extension activities related to agriculture and allied fields: includes development and transfer of technology to the farmers/stakeholders for the benefit of the society.

## Importance of Training

Intensive hands - on training program will help aspiring students in developing plant tissue culture skills which can equip them in this field

## Scope of training

The training helps to have hands on experience on selection and preparation of explant, media, stock solutions, preparation of growth regulators, handling the cultures, initiation, multiplication and hardening of tissue culture plants.

## Course Content

### Hands on Skills

The training program shall include theory, practical demonstration with hands-on training and discussion:

- ✓ Culture media (MS) preparation
  - Preparation of stock solutions for nutrient medium
  - Preparation of initiation medium
  - Preparation of shoot multiplication medium
  - Preparation of rooting medium
- ✓ Surface sterilization of selected plant material.
- ✓ Inoculation of the explants under aseptic conditions.
- ✓ Sub-culturing methods for shoot multiplication.
- ✓ Rooting techniques.
- ✓ Hardening methods (primary and secondary hardening) under greenhouse conditions.

## Who can apply?

Preferably Post graduates in Life Sciences/Agricultural Sciences/Any science discipline interested in tissue culture.

## Fees and Registration

Registration Fee: Rs. 5000/- Fee includes training and training material **excluding** accommodation, breakfast, lunch, dinner

At the end of the training, course completion certificates will be issued.

## How to apply?

Submit completed registration form (available at <https://cau.ac.in/>) along with the fee on / before 7<sup>th</sup> January, 2023 to:

### Programme Coordinator

Prof. N. Brajendra,  
Head, Dept. of GPB, COA, CAU, Imphal  
Contact no. +91 9862065304  
E- mail: brajendracau@gmail.com

## Venue of Training

Biotechnology Laboratory, Dept. of GPB, COA, CAU, Imphal

## For further details contact:

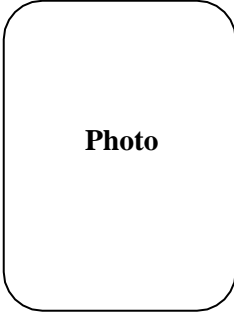
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**Department of Genetics and Plant Breeding, Tissue laboratory,  
College of Agriculture Central Agricultural University, Imphal -795001, Manipur**

**Application Form**

1. Full Name (in block letters) :
2. Gender (M/F) :
3. Date of Birth & Age :
4. Educational Qualification :
5. Occupation / Designation :
6. College/University Address :
7. Address for Communication :
8. Phone No. :
9. E-mail :
10. Payment Details :  
Cash payment at the  
account section of the  
college
11. Others (if any) :

**Date:**

**Place:**

**Signature of the Candidate**