


EVENT REPORT

Name of the Event : Work Shop
Title of the Event : Basic Plant Tissue Culture in Banana Production & Secondary Metabolites
Organized by : Rathinam College of Pharmacy
Date & Time : 13.03.2026-14.03.2026
Venue : Pharmaceutical Biotechnology Lab
No of Staffs Participated :05
No of Students Participated :70

Rathinam College of Pharmacy successfully organized a two-day Workshop on "*Basic Plant Tissue Culture in Banana Production & Secondary Metabolites*" from 13th to 14th March 2026 at the Pharmaceutical Biotechnology Lab. The workshop aimed to provide practical knowledge and hands-on training in plant tissue culture techniques with a special focus on banana cultivation and the production of valuable secondary metabolites. The workshop was conducted by eminent resource persons including **Mr. Sanjeevi Ramasamy**, Banana Plant Tissue Culturist, **Dr. R. Manikandan**, Associate Dean (R&D), RCAS, Coimbatore, and **Dr. C. Kanagaraj**, Head of the Department, RCAS, Coimbatore.

Mr. Sanjeevi Ramasamy provided detailed insights into banana tissue culture methods, including explant preparation, sterilization techniques, and micropropagation for large-scale production. **Dr. R. Manikandan** emphasized the role of plant tissue culture in modern biotechnology and its applications in enhancing crop yield and quality. **Dr. C. Kanagaraj** highlighted the importance of secondary metabolites, their extraction, and their pharmaceutical significance. The workshop included both theoretical sessions and hands-on practical training, enabling students to gain direct laboratory experience. Participants actively engaged in activities such as media preparation, inoculation, and maintenance of cultures under sterile conditions. A total of 5 staff members and 70 students from various institutes participated in the workshop. The program was highly informative and beneficial, enriching the participants with practical skills and knowledge in plant biotechnology.

Program Committee


Principal
Principal
Rathinam College of Pharmacy
Rathinam Techzone,
Pollachi Main Road, Eachanari,
Coimbatore - 641021.

TRAINING MODULES

- Introduction to BPTC
- Sterilization Techniques
- Explants Selection and Preparation
- Media Preparation
- Inoculation and Culture Initiation
- Sub-culturing and Maintenance
- Regeneration and Plantlet Development
- Acclimatization
- Troubleshooting Common Issues

BENEFITS OF BPTC

- Understanding Tissue Culture Techniques
- Production of Disease-Free Banana Plantlets
- Improved Yield and Productivity
- Knowledge of Secondary Metabolites
- Entrepreneurship Opportunities
- Networking and Collaboration
- Field Visit

CONVENER

Dr. N. BALAKRISHNAN M.Pharm., Ph.D.
Principal,
Rathinam College of Pharmacy

ORGANIZING SECRETARIES

Dr. G. VINOHAPOOSHAN M.Pharm., Ph.D.
Ms. K. UMAMAGESHWARI M.Pharm.

TECHNICAL SUPPORT MEMBERS

Mr. P. SHANMUGA SUNDARAM B.Pharm.
Mr. M. SURESH M.Sc. (Biotechnology)

RESOURCE PERSONS

Mr. SANJEEVI RAMASAMY B.Sc., MBA
(Consultant & Technical Expert in Banana Plant
Tissue Culture-Coimbatore)

Dr. R. MANIKANDAN Ph.D., PDF
(Associate Dean R&D, RCAS-Coimbatore)

Dr. C. KANAGARAJ M.Sc. Ph.D.
(HOD-Deb of Biotechnology, RCAS-Coimbatore)

WHO CAN PARTICIPATE

Graduate and Postgraduate Students in life science and Pharmaceutical Science, Research Scholars, Faculty Members & Farmers.

NOTE: The number of participants is limited to 50.

REGISTRATION FEE

The registration fee of Rs.1000/- including a training kit (Manual), certificate of participation, lunch and refreshments.

Accommodation and food is available at a nominal cost Rs 500/ per day.

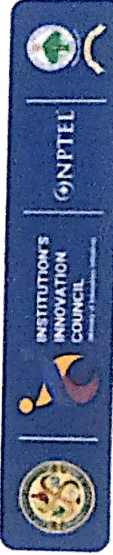
HOW TO APPLY

Please fill the below Google forms

<https://forms.gle/vA37cPknlLSLcuhBif6>

In case of any queries contact the organizing secretaries

Dr. G. Vinothapooshan - 7010246598
Ms. K. Umamageshwari - 6369940738



13 & 14
March 2026



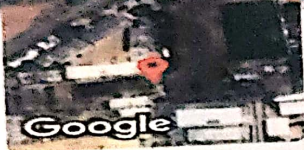
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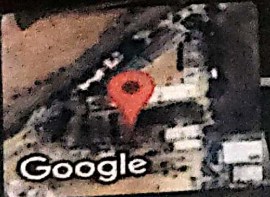
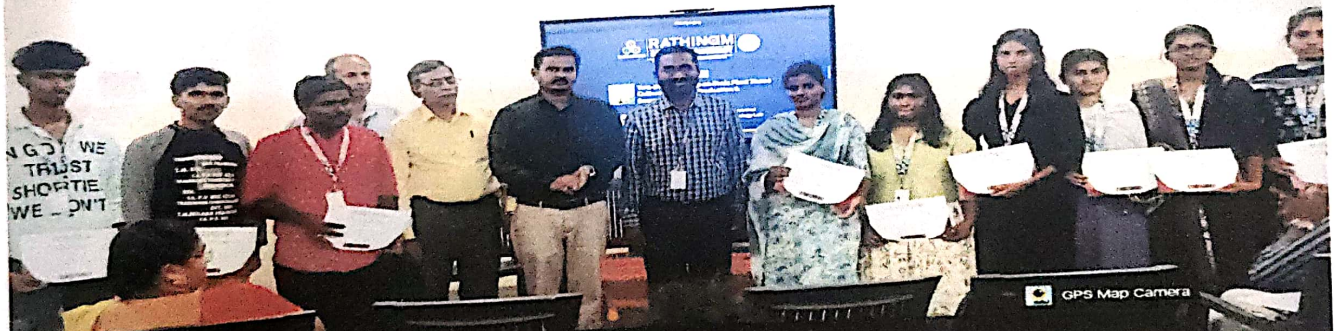
Pharmaceutical
Biotechnology Lab

RATHINQM

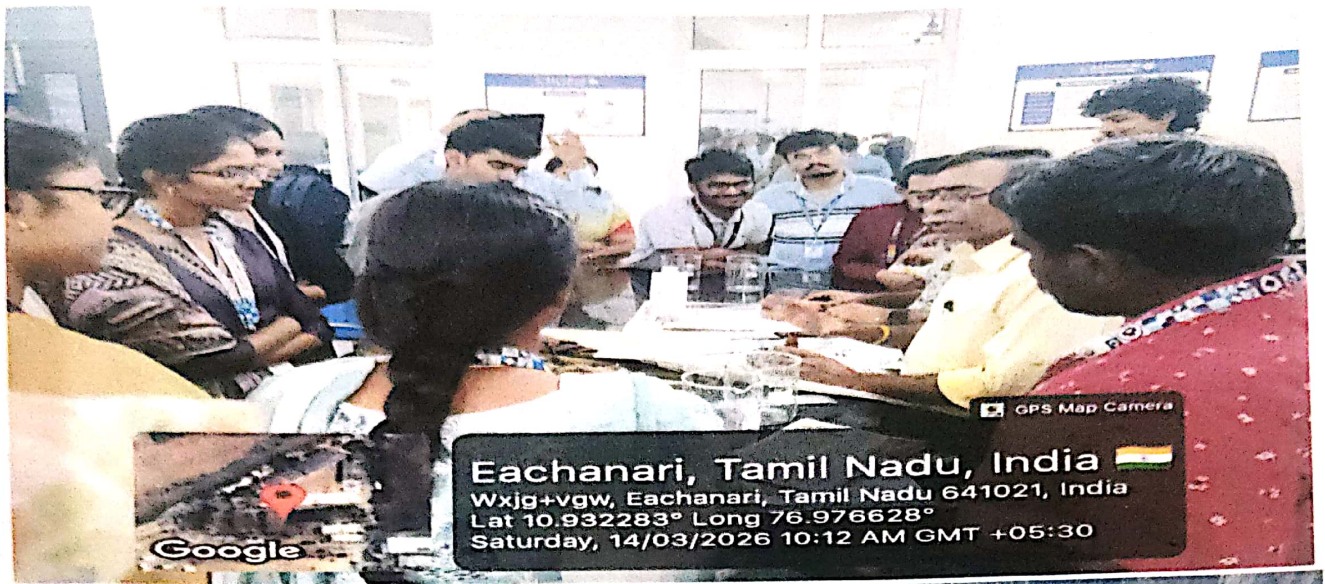
COLLEGE OF PHARMACY



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Lat 10.932316° Long 76.977486°
Friday, 13/03/2026 01:54 PM GMT +05:30



Eachanari, Tamil Nadu, India 
Wxjg+vgw, Eachanari, Tamil Nadu 641021, India
Lat 10.932292° Long 76.976626°
Saturday, 14/03/2026 04:24 PM GMT +05:30



Eachanari, Tamil Nadu, India

Wxjg+vgw, Eachanari, Tamil Nadu 641021, India
Lat 10.932283° Long 76.976628°
Saturday, 14/03/2026 10:12 AM GMT +05:30



Coimbatore, Tamil Nadu, India

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Lat 10.975411° Long 76.949855°
Friday, 13/03/2026 03:05 PM GMT +05:30