



## Centre for Advanced Studies in Botany

University of Madras, Guindy Campus, Chennai 600 025

### WORKSHOP ON BIOPROCESSING TECHNOLOGY

CERTIFICATE: Under UICIC mode

**Batch I – From 3 to 6 December 2004; Batch II – From 27 to 30 December 2004.**

**Content of the program:** Basic microbial techniques and isolation of industrially important microbes – Solid state fermentation – submerged fermentation – enzyme production, purification – PAGE, PCR – Tissue culture technique – Protoplasmic fusion – Nucleic acid isolation – Gene transferring technique

### WORKSHOP ON MICROBIAL BIOTECHNOLOGY AND BIOINFORMATICS

CERTIFICATE: Under UICIC mode

**Batch I – From 17 to 20 December 2004; Batch II – From 7 to 10 January 2005.**

**Content of the program:** Screening of industrially important microbes – Fermentation technology – enzyme production, purification – PAGE – Nucleic acid isolation and electrophoresis – Tissue culture technique – Protoplasmic fusion – Gene transferring technique – Bio tools – Bioinformatics lab.

<b>Lecture</b> : 9.00 am – 10.00 am	<b>All correspondence:</b> Prof. P. T. Kalaichelvan CAS in Botany University of Madras Chennai 600 025 E-mail: ptkalai2003@yahoo.com Cell: 044-31033198
<b>Lab</b> : 10.00 am – 6.30 pm	
<b>Course fee</b> : Rs 2000 only (Excluding food & stay)	
<b>Last date</b> : 5 days before commencement of course	

The DD for Rs 2000 has to be drawn in favour of **The Registrar, University of Madras A/C Dean, Industrial Consultancy**, payable at Chennai. Apply on a plain paper, kindly mention your name, address, DOB, name of the workshop and batch which you want to apply behind the DD.



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Guindy Campus, Chennai 600 025

### WORKSHOP ON PHYTOCHEMICAL TECHNIQUES AND PLANT TISSUE CULTURE

CERTIFICATE: Under University Industry Community Interaction  
Center mode (UICIC mode)

**Batch I, 22–26 November 2004; Batch II, 19–23 January 2005**  
**Lecture:** 09.00–10.00 h **Lab:** 10.00–18.00 h

**Contents of the Programme:** Extraction and isolation of plant products from plant materials – Separation of compounds from plants and their identification – Various types of chromatography – Spectroscopy – Crystallography – Plant tissue culture media and their constituents – Different types of plant tissue culture and cell suspension culture – Isolation of compounds from cell suspension cultures.

**Course Fee:** Rs 3000 (Accommodation and food extra. Those who need accommodation can contact the Course Co-ordinator. No TA/DA will be provided).

**Last date:** 15 November 2004 for Batch – I; 10 January 2005 for Batch – II

The DD for Rs 3000 has to be drawn in favour of **The Registrar, University of Madras, A/C Dean, Industrial Consultancy** payable at Chennai.

To apply, send a curriculum vitae along with DD to **Prof. N. Raman**, Course Co-ordinator, Centre for Advanced Studies in Botany, University of Madras, Guindy Campus, Chennai 600 025.  
Phone: 044-22350401 (O), 044-22521348 (R) Mobile: 9840588658 E-mail: raman55n@hotmail.com