

NOMINATION FORM

ICAR Winter School on Advances in Micropropagation of Horticulture Crops
(December 1-21, 2011)

1. Full name :
(In block letters)
2. Designation :
3. Present employer with full address:
4. Address :
for correspondence

Pin.....
5. Telephone :
(Off, Res & Mob)
6. E-mail address :
5. Date of birth & age :
6. Sex : Male Female
7. Nature of job :
(Teaching, Research, Extension)

8. Area of specialization :

9. Academic record

Examination	Subject	Year of passing	Institution/ University	OGPA/ %
Graduation				
Post graduation				
Ph.D				

10. Mention if you have participated in any Summer/ Winter School/ Short Course etc, during the previous five years under ICAR/Other Organizations.

11. Accommodation :

Required

Not required.

Signature of applicant with date

12. Recommendations of forwarding institute:

Signature:

Address:

Designation:

ICAR Winter School

On

Advances in Micropropagation

of Horticulture Crops

(December 1-21, 2011)

Organized by

Centre for Plant Biotechnology and Molecular Biology
College of Horticulture
Kerala Agricultural University
Thrissur - 680 656, Kerala



Sponsored by

Indian Council of Agricultural Research
New Delhi - 110 012

About the subject and programme

One of the most commercially exploited components of biotechnology has been the rapid clonal multiplication/ micropropagation of various crop plants. Some of the major advantages of micropropagation over conventional methods of plant propagation are that it is an invaluable aid in the multiplication of elite clones of intractable/ recalcitrant species, the technique enables multiplication of plants irrespective of the season throughout the year with control of most facets of production, generation of pathogen free plants, cloning of plant materials such as male sterile lines and enables the production of a large number of plants in a short time from improved genotypes, where the traditional methods of multiplication are either not available or ineffective in large scale multiplication systems.

Commercial application of tissue culture began with the micropropagation of orchids in the 1970s. Since then micropropagation is practiced in a large number of nurseries and biotechnology laboratories throughout the world. Micropropagation now is carried out in a large number of ornamentals, fruit crops, spices and plantation crops, medicinal and aromatic plants and various other crops including forest and tree species.

The Winter School on "Advances in Micropropagation of Horticulture Crops" is being organized at the Centre for Plant Biotechnology and Molecular Biology, Kerala Agricultural University from 1st-21st December 2011 in order to expose the participants to the latest advances in the field of micropropagation.

Main topics to be covered are:

- Bud culture, organogenesis and somatic embryogenesis
- Somaclonal variations
- Methods for testing genetic fidelity of micropropagated crops
- Acclimatization of micropropagated crops
- Advances in micropropagation of spices, plantation crops, medicinal and aromatic plants, ornamental plants, fruit crops

- *In vitro* pollination
- Embryo rescue
- Photoautotrophic micropropagation
- *In vitro* conservation of germplasm
- Commercial micropropagation
- Successful micropropagation ventures

Duration

Duration of the Winter School is 21 days from 1st December, 2011 to 21st December, 2011 (both days inclusive). The participants are expected to arrive at Kerala Agricultural University latest by 30th November, 2011 and can leave after 17:00 hrs on 21st December 2011.

Who can participate?

Twenty Five participants will be selected for the winter school with a) Masters degree in any branch of Agricultural Sciences, Biotechnology B) working not below the rank of Scientist/ Assistant Professor in ICAR/ SAU's. Scientists with Agriculture/ Natural Resources/ Horticulture/ Crop Sciences and Allied Agricultural Sciences background are also encouraged to participate.

How to apply?

Application for participation in the Winter School may be made in the prescribed format as given herewith and forwarded by the competent authority of the SAU/ICAR Institute where the candidate is employed. Applicants may send an advance copy, if they anticipate delay in forwarding through proper channel. However, the final selection will be made only if the application duly recommended by the competent authority is received. The closing date for receipt of applications is 20th October 2011. The selected candidates will be intimated by 25th October 2011. After the candidates are intimated of their selection, they should immediately reply and confirm acceptance on or before 1st November 2011. Cancellation at the last moment for casual reasons after acceptance will be regarded as a serious breach of ethical conduct since it may deprive other eager candidates who could have availed of the opportunity.

Registration Fee

The participants are required to pay a sum of Rs.50/- (Rupees fifty only) as registration fee. The fee must be paid along with the application form in the form of postal order drawn in favour of Professor and Head, CPBMB payable at KAU Post Office.

Application may be sent to:
Dr. R. Keshavachandran
Course Director, Winter School
CPBMB, IT-BT Complex
Kerala Agricultural University
Vellanikkra, KAU P.O, Thrissur-680656
Kerala
E mail: winterschooldic@gmail.com, bic@kau.in

For more details about CPBMB visit our website:
www.kauhort.in/CPBMB.htm
Phone: 0487-2371994, Fax: 0487-2371994

About the Centre

The Centre for Plant Biotechnology and Molecular Biology had its inception as the Plant Tissue Culture Laboratory at the College of Horticulture in 1980. Biotech research with DBT support started in 1990 and was renamed as CPBMB in 1996. The CPBMB has state of the art facilities for carrying out plant tissue culture, molecular marker studies, genetic transformation etc. The Centre supports the academic programs of KAU by offering courses to B.Sc (Ag) students, offers M.Sc (Ag) and Ph.D in Plant Biotechnology. The Centre is actively involved in teaching, research and outreach activities in biotechnology at KAU. The Centre also conducts short term training on various aspects of Plant Biotechnology including Plant Tissue Culture.

The Centre has organized several National level programmes like ICAR sponsored National Symposium, winter schools, DST funded workshops and task force meetings, National trainings sponsored by NAIP etc. Also various short term training programmes in the areas of Plant Tissue Culture, Biofertilizers and Biocontrol Agents, Bioinformatics in Agriculture, Gene Isolation and Characterization etc are conducted regularly for the benefit of biotechnology students and teachers from other Universities. Other extension activities include, on farm demonstration of superior performance of TC regenerants, technical support to self-help groups to establish TC/ hardening units, farm advisory/ consultancy services, and biotechnology awareness programmes to school students and farmers.

Faculty / Resouce Persons

Expertise is available at the Centre for imparting training on "Advances in Micropropagation of Horticulture Crops". Invited experts from national institutes will also be associated in the programme.

Venue

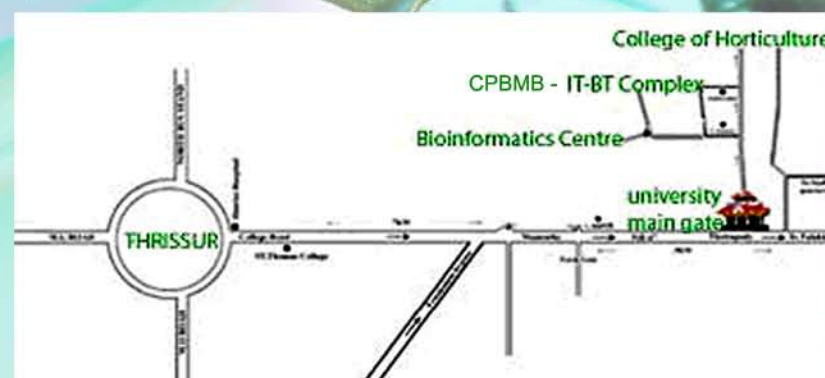
Centre for Plant Biotechnology and Molecular Biology, College of Horticulture, Kerala Agricultural University, Vellanikkara, Thrissur Kerala.

Travel and other arrangements

Boarding and lodging arrangements for the participants will be provided by KAU as per the provisions of ICAR. TA will be paid on actual basis, as per the entitlement, restricted to AC – II tier rail fare, limited to the availability of funds.

About the location

Thrissur is known as the cultural capital of Kerala, the God's own country. With its evergreen mountains, dense forests, stately palms, swift flowing rivers and extensive backwaters, Kerala is famous for its breathtaking natural beauty. Thrissur, situated in the central part of Kerala, is famous for the Thrissur Pooram, the most colourful and spectacular temple festival of Kerala. The city is well-connected by rail and road. All trains going to Cochin and Thiruvananthapuram pass through Thrissur. Cochin International Air Port is 60 km away from Thrissur. The campus is 10 km from Thrissur town towards Palghat, on NH 47. Weather will be cool and pleasant in December (min. 20°C and max. 27°C) and warm clothing will not be required.



Important dates

Last date for receipt of application: 20th October 2011
Intimation of selection: 25th October 2011
Confirmation by participants : 1st November 2011