

Important dates to remember

Last date for submission of Applications : 15th November 2018

Date of intimation of selection: 16th November, 2018

Last date for payment of registration fee : 19th November 2018

Sponsorship

The workshop is sponsored and fully funded by the Kerala State Planning Board, Govt. of Kerala, under the provisions of the project 'Finishing School in Biotechnology in Kerala'.

How to reach Vellanikkara

Vellanikkara is almost 10 km away from Thrissur in the Thrissur – Palakkad highway. Thrissur is well connected with rail facilities. The Kochi airport at Nedumbassery is almost 50 km from Vellanikkara and is well connected by national highway

Accommodation

Accommodation will be arranged at the university guest house, on first cum first and paid basis.

Organizing Committee

Chairperson: Dr. M.R. Shylaja, Professor & Head, CPBMB

Organizing Secretary: Dr. Deepu Mathew
Assistant Professor, Centre for Plant Biotechnology and Molecular Biology, Mobile: 9446478503, Email: cpbmb@kau.in

REGISTRATION FORM

Name: Prof./Dr./Ms./Mr.....

Sex: M/F.....

Designation:.....

Department/Laboratory:.....

Organization:.....

Address for communication:.....

.....

.....

Pin:.....

E-mail:.....

Phone (office):.....

Mobile:..... Fax:.....

Accommodation required: Yes/No

Areas of research:.....

Why do you think this workshop is important for

you:.....

Date: Signature

NATIONAL WORKSHOP

FRONTIER AREAS OF PLANT BIOTECHNOLOGY

21st – 30th November, 2018

Organized by

Finishing School in Biotechnology

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



Sponsored by

Kerala State Planning Board
Govt. of Kerala



The Workshop

Agriculture in 21st century faces diverse challenges to produce more food to feed a growing population with a smaller rural labour force, changing climate and urbanization. These problems will be further intensified when we have to feed over 9 billion population by 2050. Hence, there will be an additional demand for agricultural products. Especially in developing countries with higher populations, the raw materials will soon be viewed as the foundation of commerce and manufacturing. To deal with this scenario, agriculture dependent countries have to adopt more efficient methodologies, labour saving and sustainable production methods. Modern agriculture is the need of the hour, because conventional agriculture will not be able to feed an ever increasing population with changing climate, depleting resources and shrinking landscape. In this context, applications of biotechnology and nanobiotechnology including genetic engineering marker-assisted breeding, clonal propagation of elite genotypes etc., are playing crucial role in modern agriculture. The future food will be designed according to consumer's choice with a better taste, texture, nutrient contents and a longer shelf life. It can offer compelling value and prove to be the "the next big thing" in future agriculture. The National Workshop on "Frontier areas of Plant Biotechnology" offers an interactive platform for scientific community to get exposed to these advancements in crop improvement, genome editing next generation sequence data analysis, nanobiotechnology, computational biology, micro RNA mediated gene regulation, drug finding and lots more.....

Kerala Agricultural University

Established in 1971, KAU is the primary instrumentality of the Kerala state to provide human resources, skills and technologies required for the sustainable development of its agriculture. The University has 6 teaching campuses, 22 research

stations and 11 extension centres, including seven KVKs. KAU is one among the best agricultural Universities in India and from 2008-2012, this university has won the ICAR Performance Award continuously. The workshop is organized at the university headquarters at Vellanikkara, Thrissur.

Centre for Plant Biotechnology and Molecular Biology

Centre for Plant Biotechnology and Molecular Biology of Kerala Agricultural University is the premier teaching and research centre in Kerala, recognized by the Department of Biotechnology (DBT), Government of India. Govt. of Kerala has recognized CPBMB as the Centre of Excellence in Agricultural Biotechnology. This centre offers post-graduate and doctoral programmes in Plant Biotechnology, apart from carrying out many applied and basic research projects sponsored by the agencies such as DBT, BIRAC, DST, NMPB, KSCSTE, NHM, MIDH and UGC. The students for the PG programme are admitted through national level competitive examinations conducted by Jawaharlal Nehru University, New Delhi, Indian Council of Agricultural Research, New Delhi and KAU. The students admitted for M.Sc. (Ag.) Plant Biotechnology through JNU are fully funded by DBT-HRD programme. CPBMB has full-fledged and fully equipped research and teaching facilities that include Plant Genome Laboratory, RNA Laboratory, Protein Tech Laboratory, Biochemistry Laboratory and Plant Cell and Tissue Culture Laboratories. The centre also holds all the required equipment in molecular biology including the advanced ones such as Real Time PCR, HPLC, Bioanalyzer, 2-D electrophoresis unit, biolistic facility etc. Apart from a very good library, the centre has a DBT funded Distributed Information Centre (DIC) connected with ICAR supported Consortium for e-Resources in Agriculture (CERA), ensuring any amount of scientific information. The greatest strength

of the centre is the knowledgeable and committed faculty. As recognition of the scientific contributions, CPBMB was awarded the Biotech Process and Products Commercialization Award by Ministry of Science and Technology, Govt. of India. Additionally, Department of Science and Technology (DST), Govt. of India has granted CPBMB the prestigious FIST (Fund for Improvement of S & T Infrastructure in Higher Educational Institutions) support.

Thematic Areas

The workshop will have invited lectures and hands on sessions in different areas of Plant Biotechnology from the leading scientists working in the area of Plant Biotechnology and Molecular biology. The sessions will be conducted on:

- (i) Genome editing using RNAi
- (ii) CRISPR/Cas mediated genome editing
- (iii) Nanobiotechnology
- (iv) Next generation sequence data analysis using open source software
- (v) miRNA mediated gene regulation
- (vi) Bioactive molecules to drugs - methods
- (vii) Computation biology in plant virus interaction and QTL analysis

Participation

The workshop is open to all scientists and research scholars interested in latest advancements in agricultural biotechnology.

Registration

In order to register for the workshop, registration form attached along with this circular may be filled and submitted through e-mail to cpbmb@kau.in.

Category	Registration fee (in Rs.)
Research scholars	2000
Scientist/Teaching Faculty	4000
Participants from corporate sector	8000

