



#### ADVISORY COMMITTEE MEMBERS

- Prof. S.P. Thiagarajan**  
Pro-Chancellor, Sri Ramachandra University
- Prof Dr. P. Gunasekaran**  
Former Vice-Chancellor, Thiruvalluvar University
- Prof. Dr. P. Lakshmanaperumalsamy**  
Bharathiar University, Coimbatore
- Prof. Dr. P.T. Kalaichelvan**  
University of Madras, Chennai
- Prof. Dr. P.Rajendran**  
Madha Medical College, Chennai
- Prof. Dr. K. Swaminathan**  
Bharathiar University, Coimbatore
- Prof. Dr. D.V.R. Sai Gopal**  
Sri Venkateswara University, Tirupati
- Prof. Dr. Vanaja Kumar**  
Sathyabama University, Chennai
- Prof. Dr. R.C. Dubey**  
Gurukul Kangri University, Haridwar
- Prof. Dr. Lily Therese**  
Sankara Nethralaya, Chennai
- Prof. Dr. K. Kathiresan**  
Annamalai University, Parangipettai
- Prof. Dr. N. Thajudeen**  
Bharathidasan University, Trichy
- Prof. Dr. K. Natarajaseenivasan**  
Bharathidasan University, Trichy
- Mr. M. Radhakrishnan**  
Fourrts India (Pvt) Limited, Chennai
- Dr. K. Kadirvelu**  
DRDO-BU CLS, Coimbatore
- Dr. Anthony Chua**  
National University of Singapore, Singapore
- Dr. Krupakar Parthasarathy**  
National University of Singapore, Singapore
- Dr. Ram Prakash**  
Virbac Animal Health India Pvt. Ltd., Mumbai
- Dr. P. Neelakandan**  
Virbac Animal Health India Pvt. Ltd., Mumbai

#### ORGANIZING COMMITTEE

- PATRON**  
**Prof. Dr. C. Swaminathan**  
Hon'ble Vice-Chancellor, Periyar University
- CHAIRMAN**  
**Dr. M. Manivannan**  
Registrar, Periyar University
- CONVENER**  
**Dr. R. Balagurunathan**  
Professor & Head, Department of Microbiology  
Periyar University
- ORGANIZING SECRETARY**  
**Dr. P. M. Ayyasamy**  
Assistant Professor, Department of Microbiology
- ORGANIZING COMMITTEE MEMBERS**  
**Dr. A. Murugan**, Associate Professor  
**Dr. N. Hemalatha**  
**Dr. D. Arvind Prasanth**  
**Dr. R. Dhandapani**  
Assistant Professors  
Department of Microbiology
- CORRESPONDENCE**  
**Dr. P.M. Ayyasamy**  
Organizing Secretary - FBTME 2016  
Department of Microbiology  
School of Bioscience  
Periyar University  
Periyar Palkalai Nagar, Salem - 636 011, Tamil Nadu  
Email: fbtme2016@gmail.com  
Office: 0427-2345766 Extn: 228, Mobile: 9486327103

# NATIONAL SEMINAR ON "FRONTIERS IN BIOPROCESS TECHNOLOGY AND MICROBIAL ECOLOGY"

## FBTME - 2016

28 - 29 January, 2016

## CIRCULAR



Organized By

**DEPARTMENT OF MICROBIOLOGY  
SCHOOL OF BIOSCIENCE**  
Periyar University  
(Re-accredited by NAAC with 'A' Grade)  
Salem - 636 011  
Tamil Nadu







## ABOUT THE UNIVERSITY

The Periyar University was established in the year 1997 by the Act 45 of Government of Tamil Nadu. The University is located on the National Highway (NH7) towards Bangalore at about 8 Kms from the Salem city. The campus extends to about 100 acres accommodating the administrative and department buildings. The University is named after a renowned social reformer called "Thanthai Periyar". The University Grants Commission has granted 2f, 12(B) and re-accredited with NAAC 'A' in the year 2015. The University aims at holistic development of the students' knowledge in various fields to realize the maxim as inscribed in the logo "Arival Vilayum Ulagu" (Wisdom Maketh the World). About 25 departments are functioning as research centres bridging the gap between the academic, industrial and social activities by catering the needs of the students.

## ABOUT THE DEPARTMENT

The Department of Microbiology came into existence during the academic year 2009-2010 for the programmes M.Sc., M.Phil., Ph.D. with the vision to establish knowledge, skills and services in Microbiology on par with the international status. En route to the journey in the pursuit of excellence in Science, the Department of Microbiology was elevated to the School of Bioscience in the year 2015. In a short span, the department has made tremendous contribution both in the aspects of academics and research. The department has established strong collaborations with National Institute for Research in Tuberculosis (NIRT-ICMR), IIT Madras, Bharathidasan University, Annamalai University and Sathyabama University. The department has been funded with more than 3 crores of Indian rupees through various projects from National funding agencies like UGC, DBT, DST, CSIR and ICMR. The research activities of the department envisaged to be addressed are Industrial Microbiology, Bioactive compounds from Actinobacteria, Microbial Nanotechnology, Environmental Genomics, Applied Microbiology, Environmental Microbiology, Biogeochemistry and Bioremediation of water and soil, Medical Microbiology, Endophytic Fungi, Enzyme Technology and Algal Technology. Apart from academic activities, the department is organizing a Periyar University Microbiology Club (PUMIC) to provide in-depth knowledge in various fields by conducting seminars and guest lectures.

## SCOPE OF THE SEMINAR

Microbiology is an exceptionally broad discipline encompassing specialties as diverse as food and industrial microbiology, ecology, genetics, taxonomy, medical microbiology and immunology etc. Scientist writer Steven Jay Gould emphasized, we live in the age of bacteria as microorganisms are indispensable components of our ecosystem living in every conceivable environment you can think of from hot springs to ocean trenches. Microorganisms are double edged sword as friend and foe to mankind. These microbes are explored as mini biofactories much for the betterment of the human life style through employment in the production of Potential secondary metabolites, microbial enzymes, chemotherapeutic drugs, food and dairy products, biofuel and bioenergy. Microbes play indispensable task in the environment from geocycling and transformation of essential trace elements and metals both as individuals, microcosms as well as their associations with plants. Microbes also involve in bioremediation of environmental contaminants along with waste management. Recently, the industrialization has caused destruction to the environment making a difficult sustainability.

Microorganisms play an important role in natural ecosystem. It is in the fuelling reactions that microorganisms display their extraordinary metabolic diversity and versatility. Microbes have evolved to thrive in almost all natural environments, regardless of the nature of available sources of carbon, energy and reducing power. The collective metabolic capacities of microbes allow them to metabolize virtually every organic compound on this planet. Owing to its versatility and importance, a broad range of facet on industrial and environmental microbiology has been roofed under the two days national seminar on "Frontiers in Bioprocess Technology and Microbial Ecology - FBTME 2016". The seminar being organized is to focus and unveil the "micro-friends" role of the microbes in the life of mankind. The seminar also facilitates the participants to be introduced to renowned microbiology faculty members and gain a comprehensive insight.

## PARTICIPANTS

Academicians, Faculty, Research Scholars, Students and Personalities from various Corporate Societies in India.

## CONTRIBUTIONS

The seminar will include contributed papers and invited special lectures by eminent scientists in the field of Bioprocess Technology and Microbial Ecology. The contributed papers from research scholars and post graduate students are invited for both oral and poster presentation on the following topics:

- Microbial Bioactive Compounds
- Microbial Nanotechnology
- Genetically Modified Microbes for Industrial Products
- Biofuels and Bioenergy from Natural Wastes
- Microbes and Environment
- Bioremediation of Environmental Contaminants

For oral presentation a seven minutes presentation will be followed by three minutes question section. Poster session also includes explanation and discussion. The size of the poster must be 120 x 90cm.

## ABSTRACT SUBMISSION

Abstracts for oral and poster presentations must be no longer than 250 words (excluding title, authors and affiliations) and should be of significant unpublished work. Abstracts should be sent in electronic form (MS Word in recent version) as an email attachment to [fbtme2016@gmail.com](mailto:fbtme2016@gmail.com) by 08.01.2016. A separate hard copy is also preferred along with the registration form.

## ACCOMMODATION

Accommodation in the University campus will be provided on a first-come-first-served basis. Please indicate on the registration form, your choice for stay so that the advance booking will be made on behalf of the concerned delicates. However, hotel accommodation can be booked on request. For hotel accommodation, the delegates must send an advance of Rs.1000/- along with registration fee by demand draft.

## REGISTRATION FEE

Participants are requested to send the duly filled registration form along with the Demand draft in favour of "Organizing Secretary, Department of Microbiology, Periyar University, payable at Salem". Registration should be on or before 08.01.2016. The Registration fee includes seminar materials, working lunch and refreshments.

Students and Scholars	:	Rs. 300/-
Faculties and others	:	Rs. 400/-
Spot Registration	:	Rs. 500/-