



# INTERNATIONAL CONFERENCE ON FOOD, ENERGY AND WATER MICROBIOLOGY

December 21–23, 2016

Organized by

Department of Microbiology  
(DST – FIST Supported Department)  
Periyar University  
(Reaccredited with 'A' Grade by NAAC)  
Periyar Palkalai Nagar, Salem - 636 011, India.



## INVITATION

On behalf of the Organizing Committee of the International Conference on Food, Energy and Water Microbiology (ICFEWM - 2016), we have the pleasure of inviting you to participate in the conference at Salem, India during December 21-23, 2016. In this conference, we hope to present a unique spectrum of scientific programme on various aspects of Food, Energy and Water Microbiology. The conference is expected to display the numerous breakthroughs and most recent developments in these important areas and their relevance to the welfare of mankind. Around 300 delegates from different parts of the country and abroad are expected to participate in the conference.

We invite you to a country, which has a long history and rich cultural heritage and has unity in diversity. A hearty welcome awaits you to explore this enchanted city.

## SCOPE AND OBJECTIVES OF THE CONFERENCE

Food-energy-water are inextricably essential for sustainable growth of the nation. As the availability of these components have decreased over the years and hence the forecast of severe situation in the near future. Widening of the gap between the availability and demand for these resources are due to ever increasing population growth, mobility, economic development, technological changes and climate change. Increasing energy use is connected to the water dearth and climate change that places additional stress on food production. It's high time that scientific and technological breakthroughs are needed for sustainable production of food, energy and water to meet the future requirements. Microorganisms like bacteria, cyanobacteria, protozoa, algae, and rotifers found in the nature have ecological attributes in the recycling these components. The effective utilization of beneficial microorganisms turns vast renewable resource of radiation and CO<sub>2</sub> in to energy and food. Basic research in these cross-cutting technologies would provide the foundation to yield innovative outcomes for food and energy production and water management. Optimized sustainable availability of these essential commodities would be possible by continuous training of next generation scientists in these areas. With these views in mind, we are hopeful that the proposed conference would provide a platform for research scientists and young researchers to discuss and share their view in this field.

## 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 Bengaluru 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 the renowned social reformer called 'Thanthai Periyar'. The University grants commission has granted 2f, 12(B) and the University is 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 to the needs of the students.

## ABOUT THE DEPARTMENT

The Department of Microbiology came into existence during the academic year 2009-2010 with 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 2015. In a short span, the department has made tremendous contribution both in the aspect of academics and research. The department has established strong collaborations with National Institute for Research in Tuberculosis (NIRT-ICMR), IIT Madras, Bharathidasan University, Bharathiyar University, Annamalai University, and Sathyabama University. The department is 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 Periyar University Microbiology Club (PUMIC) to provide in depth knowledge in various fields by conducting seminars and guest lectures.

## ABOUT THE CITY – SALEM

Salem is the fifth largest city in Tamil Nadu, houses many places of tourist interests like, Yercaud, Kurumbapatti Zoological Park, Hogenakkal Falls, Kolli Hills, Mettur Dam, Poolampatti and Pachaimalai Hills. The city is also known for its famous handlooms, especially silk and cotton products. It is one of the main textile centres in the state and comprises more than 125 spinning mills and garment manufacturing and weaving units. In December, the temperature ranges between 29 °C and 18 °C, and the climate remains pleasant with intermittent breeze.

## IMPORTANT DATES

Abstract submission deadline : November 25, 2016  
Notification of acceptance : November 30, 2016  
Submission of Registration Fee : December 2, 2016

## Conference Venue

Department of Microbiology, Periyar University, Periyar Palkalai Nagar, Salem - 636 011, Tamilnadu, India.

## Conference Themes

- ❖ Agriculture Microbiology
- ❖ Biofuel and Bioenergy
- ❖ Dairy and Food Microbiology
- ❖ Environmental Microbiology
- ❖ Industrial Microbiology
- ❖ Microbial Biodegradation
- ❖ Microbes and biofuels
- ❖ Nano Technology
- ❖ Probiotics and Functional Food
- ❖ Water Microbiology
- ❖ Water Borne Diseases

## Participants

The participants would include Academicians, Scientists, Researchers and Industrialist.

## Invited Speakers

The invited speakers will be eminent Scientists, Academicians and Technocrats working in the field of Food, Energy and Water Microbiology from International and National Institutes and Universities.

## Call for Abstracts

Papers on any of the above mentioned themes and related topics are invited from experts, faculty members, scientists and research scholars. Those interested are requested to submit abstract (not exceeding 500 words on A4 size paper with 12 font size in Times New Roman) and send the same to the conference Convener as soft copy on or before November 25, 2016. The soft copy of abstract should be mailed to [icfewm2016@gmail.com](mailto:icfewm2016@gmail.com).

## Registration Fees

Scientists and Academicians	: 2000.00	US \$ 100
Research Scholars / Students	: 1500.00	US \$ 85
Accompanying Person	: 1000.00	US \$ 80

The delegate fee includes conference proceedings, registration kit and working lunch. Delegate fee can be sent by demand draft drawn in favour of **Convener - ICFEWM 2016, payable at Salem and send the same to Dr. A. Murugan, Convener - ICFEWM 2016, Department of Microbiology, Periyar University, Periyar Palkalai Nagar, Salem - 636 011, India.**

## Social programmes and post conference tours

A cultural programme of Indian classical dances on the opening day after sessions over. All the participants along with accompanying persons are invited to attend these events. A tour to various place of tourist interest around Salem, Tamilnadu will be arranged on December 22, 2016 (subject to minimum 30 participants). Details of charges would be available from the Convener/Travel desk.

## Accommodation

Accommodation can be reserved for the participants in hotels of various categories. We strongly advise the participants to book the accommodation by paying in advance.

No accommodation can be guaranteed unless advance is paid at least for one night (non-refundable) and booked on or before November 30, 2016.

## Organizing Committee

Chief Patron

**Prof. C.Swaminathan**

Hon'ble Vice – Chancellor, Periyar University

Patron

**Dr. M. Manivannan**

Registrar, Periyar University

Chairman

**Dr. R. Balagurunathan**

Professor and Head, Department of Microbiology, Periyar University, Salem

Convener

**Dr. A. Murugan**

Associate Professor, Department of Microbiology, Periyar University, Salem

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**Dr. N. Hemalatha**

**Dr. P. M. Ayyasamy**

**Dr. D. Arvind Prasanth**

**Dr. R. Dhandapani**

Assistant Professors, Department of Microbiology, Periyar University, Salem

Contact:

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