

ABOUT THE UNIVERSITY

Pondicherry University was established in 1985 by the Government of India under the act of Parliament. Pondicherry University, located on a 800 acre lush green WI-Fi campus is a public funded central university with all India Character both in terms of its students and also the faculty members. It has 87 affiliated colleges spread across the state of Pondicherry, Andaman Islands and Karaikal and has two off campuses besides the main campus. It has grown from strength to strength in all possible ways all these years and has become a place on the educational hub of the country. 15 Schools, 37 Departments and 10 Centres offering 175 PG & Research programmes are within its fold. The University has over 400 faculty and 6100 students from across the country on its rolls. There are over 45,000 students in its 87 affiliated colleges. The thrust areas of the University will be Research and Innovations both in Sciences and Social Sciences. It became India's fastest growing central university with 300% all round growth in students, faculty, infrastructure, teaching programmes, research projects, and students seeking admissions.

CENTRE FOR MICROBIOLOGY

The M. Sc Microbiology Programme was started in the year 2009 and PhD. Microbiology Programme in 2013 under School of Life Sciences. The Microbiology Programme is committed to excellence in education, research and extension. The programme is being strengthened with various research units and periodical update / modernization of the curricula. The Microbiology programme at the Pondicherry University, School of Life Sciences brings together a variety of researchers, as faculty of this programme, specialized in their domains and united by the common goal of understanding the "Microbes".

MICROARENA

The microbiology students club, MICROARENA was started in the academic year 2012-2013 and continually aims to stimulate the spirit of innovation and creativity among the students. Their talents are well explored on this platform and students are given an opportunity to be expressive of their ideas, and oratory skills. The elected representatives of the students of microbiology programme organise and coordinate the activities of the club, after appropriate consultations and exchange of ideas with faculty. Field trips and visit to educational institutions are a part of the agenda and various such outreach programmes are in the pipeline. Scientists and Researchers from different parts of India and the world over are invited to share the expertise with faculty and students through lectures and interactive sessions. Students are motivated to become aware of current scientific happenings, to imbibe research culture and academic learning through such seminars and lectures.

ABOUT THE CONFERENCE

When life arose on Earth about 4 billion years ago, the first types of cells to evolve were prokaryotic cells. For approximately 2 billion years, prokaryotic-type cells were the only form of life on Earth. The oldest known sedimentary rocks found in Greenland are about 3.8 billion years old. The oldest known fossils are prokaryotic cells, 3.5 billion years in age. Microbes are not only ubiquitous, they are essential to all life as they are the primary sources of nutrients and the primary recyclers of dead matter back to available organic form. The diversity in microbial communities is crucial to sustain larger ecosystem and life. The conventional cultivation methods preclude microbial majority of a habitat that remain unculturable. The Hologenome theory proposes that the object of natural selection is not the individual organism but the organism together with its associated microbial communities. After the break through of Sargasso Sea exploration by Graig Venter's team now the focus is exclusively on the exploration of microbial majority by cultivation independent approaches. The recent developments from human microbiome project, metagenomics and microbial genome project has expanded its scope and potential in the next generation drug design, molecular pathogenesis, phylogeography, production of smart biomolecules, etc. Hence the study of the overall gut germ genome (Metagenome) and transcriptome (Microbiome) has been launched. Eminent speakers and young researchers bring together an exclusive science forum which would enlighten the minds of students and researchers in Microbiology and allied subjects.

FOCUS OF THE CONFERENCE

Microbial genesis and evolution
Microbial community diversity
The unculturable
Microbial interactions and association
Microbial life in extreme environment
Microbial bioinformatics
Pathways and metabolic engineering
Microbial gradient communities
Marine Microbes
Microbial disease biology
Next generation fuels by microbes
Space microbiology
Predictive models of microbial communities

HOW TO REACH?

The Pondicherry University is located at about 165 km south of Chennai metropolitan city Pondicherry University is situated on the Chennai- Puducherry East Coast Road (ECR). From other southern towns like Bengaluru, Tiruchirapalli, Madurai, Coimbatore, Trivandrum by road/rail, one should get down at Puducherry Bus Stand /Railway Station.

HOW TO APPLY:

Participants shall send the registration form with the DD in favour of The Coordinator, Microbiology Programme, Pondicherry university.

CALL FOR ABSTRACTS:

The abstract has to be submitted online as attachment [Abstract Submission Guidelines](#)

Word limit: 200

Font: Times new roman (size 12)

Spacing: Double

Format: Title, Authors (underline the presenting author), Body and Key Words (3-5)

REGISTRATION FEE :

Students and Research scholars : Rs.500

Faculty: Rs.750

Corporate persons : Rs.1000

IMPORTANT DATES

Last date of registration - 5 March 2014

Send in your abstracts for paper and poster presentation to microarenapu@gmail.com on or before 5 March 2014.

ACCOMMODATION

Accommodation will be provided in the University for limited number of participants on the first come first serve basis.

Guest house / Hotels – Rs. 300/ to Rs.1000/- per day

Star hotels– Rs. 4000/- to Rs. 5000/-

Participants should register for accommodation at the earliest possible to avoid any inconvenience.

MICROARENA INTERCOLLEGE COMPETITIONS

On stage events (Microbiology theme)

Paper presentation – 10 mins

Debate (2 in a team)

Quiz (2 in a team)

Science drama (8-10 members in a team / 1 team per college)

Off stage events (Microbiology theme)

Photography

Poster presentation

Just a minute (JAM)

Facial painting (2 in a team)

Cartooning

AWARDS FOR BEST POSTER AND ORAL PRESENTATIONS

A jury consisting of eminent scientists will adjudge 3 best oral presentations and posters among the participants. Best performance in the intercollege events will also be awarded.

REGISTRATION FORM

National conference on " WONDERS OF THE SMALL –
Exploring the microbial world"
3 & 4 April 2014

NAME:

DATE OF BIRTH:

SEX : MALE FEMALE

DESIGNATION :

COLLEGE/ UNIVERSITY:

ADDRESS FOR COMMUNICATION:

PHONE NO:

E-mail :

PAYMENT DETAILS : DD No:

DATE OF PAYMENT :

NAME OF THE BANK:

ACCOMODATION: YES NO

MODE OF PRESENTATION :

OTHER COMPETITIONS:

DATE: SIGNATURE

CERTIFICATION FROM THE H.O.D/ PRINCIPAL

Spot Registration allowed
(Photocopies of the registration form can be used)

ORGANISING COMMITTEE

Chief Patron

Prof. (Mrs) Chandra Krishnamurthy

Hon. Vice Chancellor

Patron

Shri. Raajiv Yaduvanshi , IAS

Registrar

Prof. M.Ramadas

Director SEI & RR

Dr.S Balakrishnan

Director (Research)

Co- Patron

Dr. Anisa Basheer Khan

Professor and Dean, School of Life Sciences

ORGANISING MEMBERS

MICROARENA

Dr. Regina Sharmila Das
Assistant Professor

President
Nirmalya Halder

Dr. Busi Siddhardha
Assistant Professor

Secretary
Harshini Sriram

Dr. Sharmili Jagtap
Assistant Professor

Treasurer
Prithvirajan.T

Dr. Maheswaran Mani
Assistant Professor

CONVENER: Dr.Joseph Selvin
Coordinator
Microbiology programme

Correspondence for scientific sessions and
registration

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Coordinator / Convener
Microbiology programme
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Correspondance for intercollege events

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Ms. Aiswarya KS
Microarena
Email: microarenapu@gmail.com



Pondicherry University
Puducherry-605014

**NATIONAL CONFERENCE
ON**

WONDERS OF THE SMALL
Exploring the Microbial World

3 & 4 April 2014

Organised by
MICROARENA
Centre for Microbiology