

NATIONAL SEMINAR ON

Emerging Trends in Microbiological Research - 2021

18th & 19th March 2021

Sponsored by



DEPARTMENT OF BIOTECHNOLOGY (DBT)

NEW DELHI

&

THE MANAGEMENT

AYYA NADAR JANAKI AMMAL COLLEGE (AUTONOMOUS)

SIVAKASI - 626 124



Organized by

DEPARTMENT of Microbiology

Ayya Nadar Janaki Ammal College (Autonomous, Affiliated to Madurai Kamaraj University, Re-accredited (4th cycle) with 'A+' Grade (CGPA 3.48 out of 4) by NAAC, Recognized as College of Excellence by UGC & Star College by DBT, and Ranked 58th National Level in NIRF – 2020), **SIVAKASI TAMIL NADU**

THE INSTITUTION

Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, established in 1963, in the industrial town of Sivakasi, popularly known as "Little Japan" in Tamil Nadu is a standing testimony to the wisdom and foresight of late Thiru. P. Ayya Nadar, a leading businessman and pioneering industrialist of this town. As the institution was established by his munificence, the College was fittingly named after him and his equally generous wife, Thirumathi. A. Janaki Ammal. The College has been serving as a beacon light in the backward area of Virudhunagar District, emphasizing teaching, learning and research programmes in different disciplines for the benefit of thousands of rural students who pursue higher education. Today, Ayya Nadar Janaki Ammal College is reckoned as one of the leading educational research institutions in India with diversified courses, excellent infrastructure, competent faculty and very promising students. The College is re-accredited (4th Cycle) with 'A+' Grade (CGPA of 3.48 out of 4.0) and recognized by UGC as College of Excellence. The College has completed five decades of service to the society and the Nation.

THE DEPARTMENT

The Department of Microbiology was established in the year 1997. The department offers U.G., P.G., and M.Phil. Courses. In our endeavour to epitomize the academic excellence and research calibre, the Department of Microbiology has dedicated itself to conduct seminar/workshop/ intercollegiate meet every year. The faculty and students are actively involved in research. The Department has been equipped with individual laboratories. The alumni of the Department are well-settled in India and abroad in various fields of advanced life sciences. *The Department of Microbiology awarded as **BEST DEPARTMENT** at National level by Microbiologist Society, India.*

ABOUT SEMINAR

Micro-organisms and their activities are vitally important because they affect every aspect of our lives they are in us on us and around us. These microbes play key roles in nutrient cycling, biodegradation/biodeterioration, climate change, food spoilage, the cause and control of disease, and biotechnology. Microbiology research is always important to be the current global aspirations and challenges, such as maintaining food, water and energy security for a healthy population on a habitable earth. This live seminar is specifically designed for students, Ph.D. scholars, faculties who are interested to acquire the knowledge in the field of life sciences. Our speakers are an expert in their subjects and will be sharing their experience and knowledge with the attendees.

SUBMISSION OF ABSTRACTS

E-Posters

E-Posters are invited from all students on the following topics

- ✗ Agricultural Microbiology
- ✗ Food and Dairy Microbiology
- ✗ Environmental Microbiology
- ✗ Medical Microbiology
- ✗ Industrial and pharmaceutical Microbiology
- ✗ Cosmetic Microbiology and Forensic Science
- ✗ Genomics and Proteomics
- ✗ Plant and Animal Biotechnology
- ✗ Nano Biotechnology
- ✗ Biochemistry
- ✗ Genetics
- ✗ Others related to Biological research

SUBMISSION OF ABSTRACTS

The last date for the submission of abstract is 10.03.2021. Abstract not exceeding 250 words neatly typed with double spacing in A4 size paper with sufficient margin in all sides. The abstract should be prepared using Times New Roman (Font size 12). The abstract can also be send by e-mail. The name of the author presenting the paper should be in bold italics.

E-POSTER

The e-poster should be in a single JPEG format. The e poster should be submitted along with 2 minutes video explanation (jpeg+video). One student / e-poster. The file size should be less than 25 MB. The participant is required to send the e poster on or before **15th March 2021** to the mail : anjacmicrobiology@gmail.com

Note: The Best Poster will be awarded with Appreciation Certificate.

Technical Sessions

18th March 2021



Session – I Time: 10.45 a.m.

Topic : **CRISPR Gene Editing Technology**

Speaker : **Dr. S. Kannan**

Professor and Head
Department of Zoology
Periyar University, Salem



Time: 11.45 a.m.

Topic : **Discovery of Synthetic Biology through Green Fluorescent Proteins**

Speaker : **Dr. N. Ayyadurai**

Senior Scientist
Department of Biotechnology
Central Leather Research Institute, Chennai



Session – II Time: 2.00 p.m.

Topic : **Probiotic Food and Feed Supplements: Impact on GUT Microbiome Health**

Speaker : **Dr. D. Dhanasekaran**

Associate Professor of Microbiology
Bharathidasan University, Tiruchirappalli

Time: 3.00 p.m.

E-Poster Presentation

19th March 2021



Session – III Time: 10.00 a.m.

Topic : **HIV Cure Strategies**

Speaker : **Dr. Vijayakumar Velu, Ph.D.**

Assistant Professor
Microbiology and Immunology
Emory Vaccine Center
Yerkes National Primate Research Center, Atlanta



Time: 11.30 a.m.

Topic : **Animal Model of Autoimmune Diseases**

Speaker : **Dr. S. Velayuthaprabhu, Ph.D.**

Assistant Professor, Reproductive
Immunology and Molecular Pathology Lab
Department of Biotechnology
Bharathiar University, Coimbatore



Session – IV Time: 2.00 p.m.

Topic : **Scientific Ethics in Research Publications**

Speaker : **Dr. T. Muthukumar**

Associate Professor, Department of Botany
Bharathiar University, Coimbatore

Time: 3.00 p.m.

E-Poster Presentation

Vote of Thanks



CHIEF PATRON
Thiru V. Abiruben, *M.B.A.*
Correspondent



PATRON
Dr. C. Ashok, *Ph.D.*
Principal
Ayya Nadar Janaki Ammal College (Autonomous)
Sivakasi

CONVENER

Dr. P. Ponmanickam, *Ph.D.*
Assistant Professor & Head
Department of Microbiology

ORGANIZING SECRETARY

Dr. T. Sivakumar, *Ph.D.*
Assistant Professor
Department of Microbiology

EXECUTIVE MEMBERS

Dr. K. Nalini, *M.Sc., M.Phil., Ph.D.*
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Dr. S. Sivasankara Narayani, *M.Sc., M.Phil.,*
Ph.D. MRSB (UK)
Dr. J. John Wilson, *M.Sc., M.Phil., Ph.D.*

STUDENT COORDINATORS

C.M. Sethuraman, *II M.Sc., Microbiology*
G. Vijayalakshmi, *I M.Sc., Microbiology*
G. Mahalakshmi, *III B.Sc., Microbiology*
M. Ashok, *II B.Sc., Microbiology*
K. Raja, *I B.Sc., Microbiology*

IMPORTANT DATES

Last Date for Registration

05.03.2021

Submission of Abstract

10.03.2021

E-Poster submission

15.03.2021

No Registration
Fee

NOTE: The participants are requested to join the Whatsapp group given in the registration form for further notifications

Registration Link <https://forms.gle/BhhzmkTsebYSG6Ee6>

Google Meet Link <https://meet.google.com/nxj-mdpb-ins?hs=122&authuser=1>



For Further Details: Mobile: 9443310246, 6381768358