

DEPARTMENT OF MICROBIOLOGY

WORKSHOPS/SEMINARS CONDUCTED ON RESEARCH METHODOLOGY

2016-17

1. Microfest- 10th January 2017

Dr.K.Padmavathy, Associate Professor, Dept. of Microbiology, Sree Balaji Dental college and Hospital, Bharath University who inaugurated the event and also rendered the “ Dr.Mrs.Kausalya Moorthy & Justice Moorthy endowment lecture on research methodologies in “Periodontitis”.



Dr.K.Padmavathy, Associate Professor, Dept. Of Microbiology, Sree Balaji Dental college and Hospital as the Resource person

2017-18

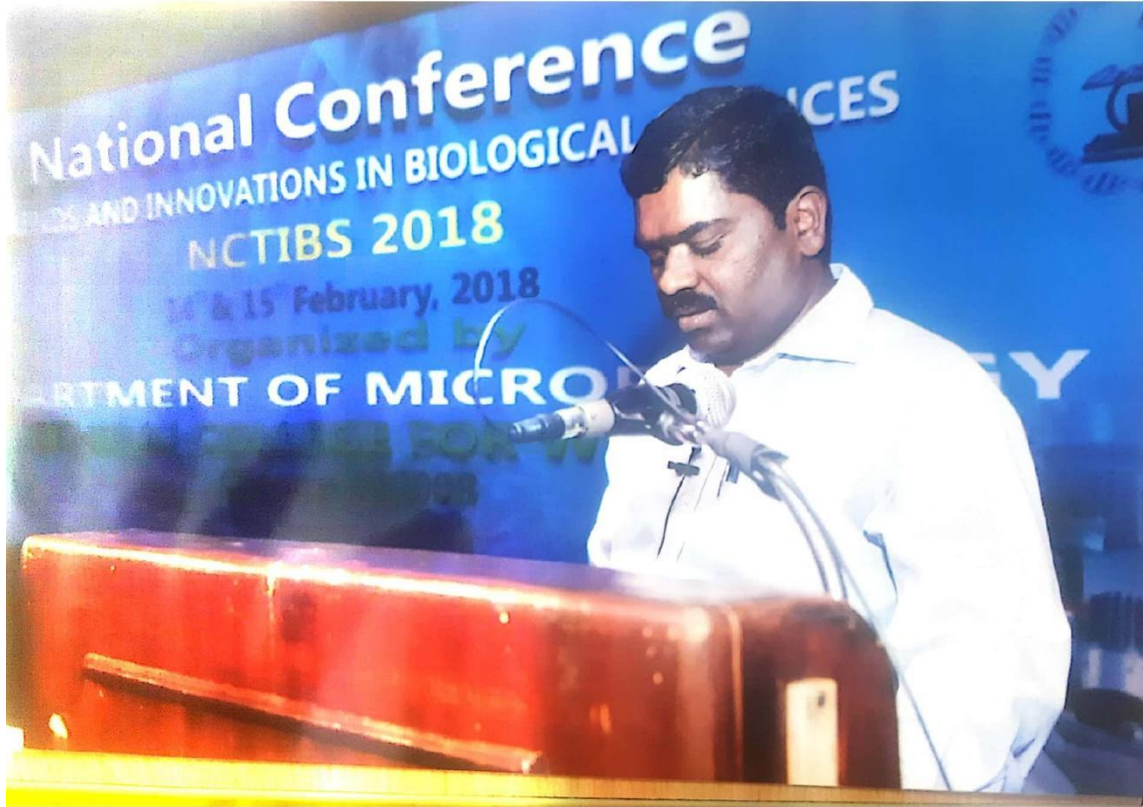
1. **03.10.17.-** Talk by **Dr.Wilson Aruni**, Professor, Loma Linda University, California, spoke on Research progress in “Human Microbiome and its importance in healthy aging and longevity”.



Dr.Wilson Aruni – Talk on Human Microbiome Research

2. **04.12.17- Workshop -Dr.R. Gowri Shankar**, Lab lead, Centers for Disease Control and Prevention, Atlanta addressed the students on Research methods in “Operons and Vaccines and the latest developments at CDC”

3. **14.02.2018 -National conference on “Trends and Innovations in Biological Sciences”**
Dr.S.Ponmariappan, Scientist ‘E’ and Deputy Director, DRDO, Ministry of Defence, Gwalior– “power generation using fecal waste”.



Dr.S.Ponmariappan addressing the gathering

4. **14.02.2018 -National conference on “Trends and Innovations in Biological Sciences”**
Dr.L.Uma Director, National Facility for Marine Cyanobacteria, (NFMC) Tiruchirapalli spoke on cyanobacterial research undertaken in Antarctica



Dr.L.Uma on cyanobacterial research

5. **14.02.2018 -National conference on “Trends and Innovations in Biological Sciences”**
Dr.T.Sundararaj, Professor and Head(Retd.), Dr.A.L.M.P.G.I.B.M.S, University of Madras, Chennai & Director, Jasmine Laboratories, Chennai- Emerging and Reemerging Infections- Can we Report?



Dr.T.Sundararaj on Emerging and reemerging diseases

6. 14.02.2018 -National conference on “Trends and Innovations in Biological Sciences”
Dr.Mahesh, Project Cost Engineer, Royal Dutch Shell, Bangalore,- Opportunities in Food Industry.





7. **14.02.2018 -National conference on “Trends and Innovations in Biological Sciences”**
Dr.P.U.Mahalingam, Professor, Department of Biology, Gandhigram Rural Institute, Gandhigram- Microbial Consortium Technology for Bioremediation

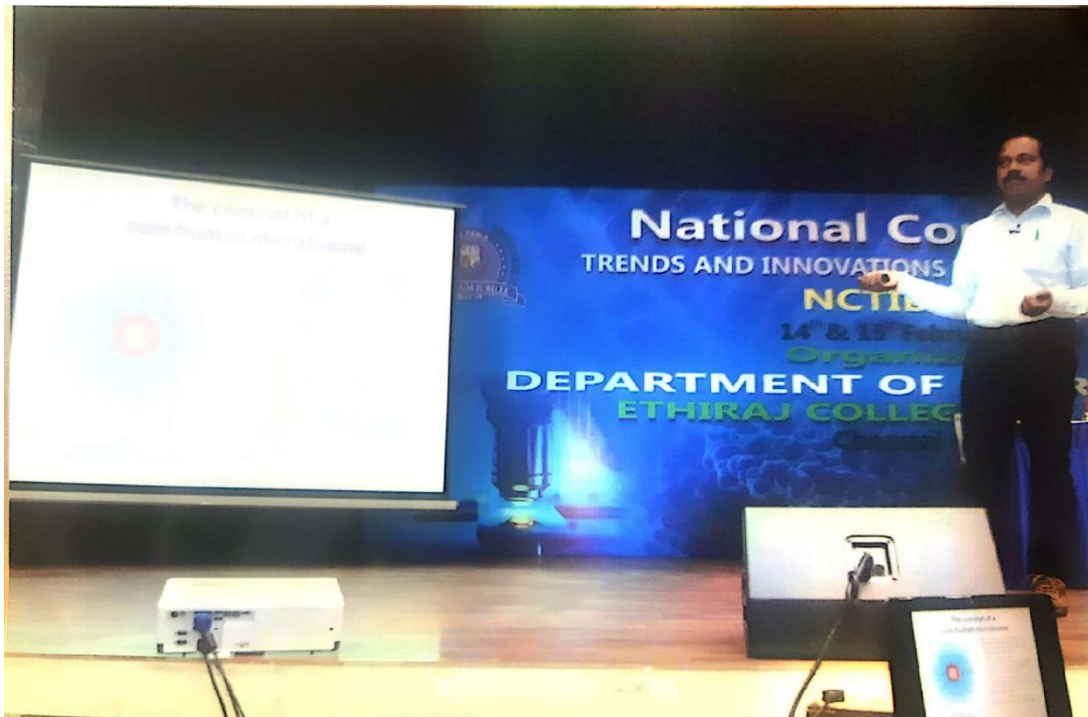
8. **14.02.2018 -National conference on “Trends and Innovations in Biological Sciences”**
Dr.S.Sasikala, Associate Professor and Head, Department of Microbiology and Biotechnology, Presidency College, Chennai- Molecular diagnostics in bacteriology.



Dr. Sasikala on Molecular diagnostics

9. **15.02.2018- National conference on “Trends and Innovations in Biological Sciences”**
Dr. Joseph C. Daniel, Associate Professor and Head, Department of Microbiology,
St. Joseph College, Cuddalore, Thiruvalluvar University,- human Microbiome- complex

Ecosystem.



10. **15.02.2018- National conference on “Trends and Innovations in Biological Sciences”**
National conference on “Trends and Innovations in Biological Sciences” Mrs. Sita Kalyani Budharaju, Head, Department of Applied Sciences, Dantuluri Narayana Raju College, Bhimavaram, Andhra Pradesh,- Review on Antibiotics producing Actinomycetes Research.
11. **5.02.2018- National conference on “Trends and Innovations in Biological Sciences”**
Dr.S.V.Ramesh, Scientist (Biotechnology), Central Plantation Crops Research Institute, Kasaragod, Kerala- Genetic Modifications for better crops
12. **15.02.2018-National conference on “Trends and Innovations in Biological Sciences”**
Dr.Daniel Alex Anand, Associate Professor, Department of Bioinformatics, Sathyabama University, Chennai. – Systems Medicine.



Dr. Daniel Alex Anand

2018-19

13. Microfest-28th November 2018

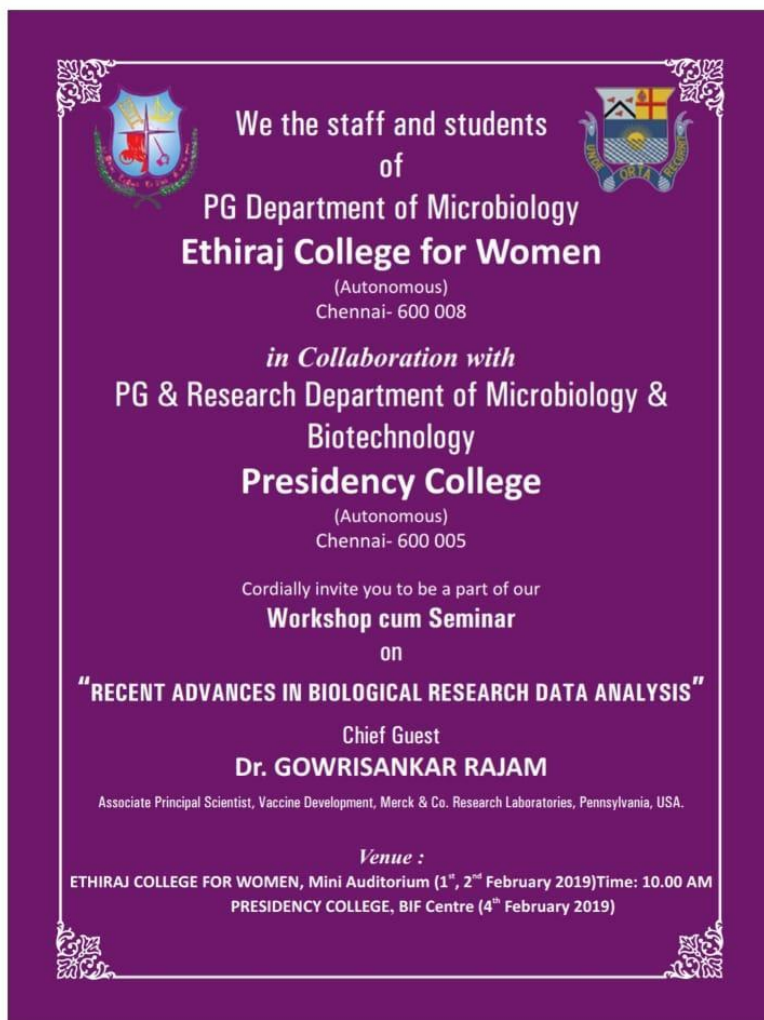
Dr. Ethirajan Sukumar, Dean Research, Saveetha Institute of Medical and Technical Sciences, Chennai. "Research as a Career"



Dr.Ethirajan Sukumar on Research as a career

14. 1st, 2nd and 4th February, 2019- Workshop cum Seminar on “**Recent Advances in Biological Research Data Analysis**”(collaboration with the PG and Research Department of Microbiology and Biotechnology and Bioinformatics centre, of Presidency College) 01.02.2019 **Dr. Gowrisankar Rajam** **Dr. Gowrisankar Rajam, Associate Principal Scientist, Merck & Co Research Laboratories, Pennsylvania, USA** on importance of the methodologies in research work for effective publication and research communications. An interactive session on research design with respect to current and future research career was an eye opener to all the participants and researchers.





15. **02.02.2019 Recent Advances in Biological Research Data Analysis” Dr. K. Niraimathi,** Director, Fenivi Research Solutions, who discussed the importance of Biostatistics in Microbiology.
16. **02.02.2019 Recent Advances in Biological Research Data Analysis” Ms.Priya.S,** Trainee Manager, Eppendorf India Pvt Ltd gave a talk on Recent advances in Molecular Biology
17. **02.02.2019 Recent Advances in Biological Research Data Analysis” Dr.K.Panneer Selvam,** Head, PG Department of Microbiology, MR Govt Arts and Science College, Mannargudi on a **Device of frugal Innovation-Foldscope.**

18. **04.02.2019 Recent Advances in Biological Research Data Analysis** at Presidency College- Basic Bioinformatics Tools by **Dr.S.Sasikala**, Associate Professor and Head, PG and Research Department of Microbiology and Biotechnology, Presidency College.
19. **04.02.2019 Recent Advances in Biological Research Data Analysis** at Presidency College. The Hands-on training session on AutoDock, FASTA, Uniprot. Expasy and in constructing a phylogenetic tree enlightened the students with practical knowledge in Bioinformatic tools.
20. **19.12.2020 Department of Microbiology along with Project Manav - The Human Atlas Initiative**, organised a webinar on “How to Read Scientific Literature?” by the speaker **Dr. Anupama Harshal**, Consultant, Science Communication and Public engagement, Manav- Human Atlas Initiative, IISER Pune

B. WORKSHOPS/SEMINARS CONDUCTED ON INTELLECTUAL PROPERTY RIGHTS (IPR)

1. **31st January, 2017- National Seminar on “Career Prospects in Life sciences”, organised by the Department of Microbiology, Ethiraj College for Women, Chennai.** The fact that the novel products and discoveries due to the advancement in Research can be patented and owned by Researchers was delivered by **Dr. Deepa, Proprietor, Intellpat Patent solutions,**

Chennai, whose topic was “Patent: A tool for Professional enhancement”.



Dr.Deepa on Patents

2. 22nd January 2020.

State Level Workshop on “Intellectual Property Rights and their Implications”

Dr. B. Deepa, Patent Attorney, Intellpat Patent Solution, Chennai. She gave an overview idea about Intellectual Property Rights and Patents. She also discussed about many case details filed for patent right that grabbed the students’ attention.



Dr. B. Deepa, Guest Speaker of the Workshop - Addressing the gathering.

3. 22.01.2020 **State Level Workshop on “Intellectual Property Rights and their Implications”** Mr. B. Ahilan, Deputy Controller of Patent & Design, Government of India, Chennai. He gave a detailed talk on **Copyright and Trademark**



Mr. B. Ahilan – Guest Speaker of the Workshop with Students

ENTREPRENEURSHIP AND SKILLS DEVELOPMENT

2016-17

1. **31st January, 2017 -National Seminar on “Career Prospects in Life sciences”, organised by the Department of Microbiology, Ethiraj College for Women, Chennai**

Dr. Anita Singh, Associate Director, Medical Affairs, Central & South Asia Pacific, BD Pvt. Ltd (USA), Gurgaon, Haryana, addressed the gathering on the topic Life sciences: The path less taken and exposed the **career prospects of Microbiologists and Medical Pathologists** in various fields of production and marketing of Biological and Pharmaceutical products.



Dr. Anita Singh on Production and Marketing

2. **31st January, 2017 National Seminar on “Career Prospects in Life sciences”, organised by the Department of Microbiology, Ethiraj College for Women, Chennai**

Dr. Joseph C. Daniel, Head, Department of Microbiology, St. Joseph's College of Arts and Science, Cuddalore, who in his talk, comprehensively included a lot of prestigious institutions offering various courses that a graduate can pursue and oriented the young minds towards both **Academics and Research**, equally.



Dr. Joseph on Academics and Research

**3. 31st January, 2017 National Seminar on “Career Prospects in Life sciences”,
organised by the Department of Microbiology, Ethiraj College for Women, Chennai**

Career opportunities in Pharma and Biotech industries was presented and explored by Dr. Janani Kanakaraj, Principal Scientist (R&D), Biocon, Bengaluru.



Dr. Janani Kanakaraj on opportunities in Pharma

4. 31st January, 2017 National Seminar on “Career Prospects in Life sciences”, organised by the Department of Microbiology, Ethiraj College for Women, Chennai

The final session of the seminar was with novel inputs from a successful businessman **Mr. Syed Ali, IIT** group who prompted the students to look at Entrepreneurship as an attractive option.



Mr. Syed Ali, IIT on Entrepreneurship

2017-18

Skill Development

1. Class XI students of St.Mary's School, Perambur visited our laboratory and learnt a few microbiological techniques on **11.01.18**.

18-19

2. **30th and 31st August, 2018**

A Workshop on “Microbiological Techniques for School Students” was conducted on 30th and 31st August, 2018 and twenty one students of Class XI, St. Mary's Higher Secondary School, Perambur, Chennai, attended the workshop. The main objective of this hands-on training was to create an exposure to the school students about the various techniques in Microbiology,

Immunology and Molecular biology and to create interest in them to pursue their higher studies in Microbiology and related courses.

A Workshop on “Microbiological Techniques for School Students”



Dr. P. Sharadhai, Assistant Professor, PG Department of Microbiology and Biotechnology, Presidency College, Chennai, rendered her talk on “**Career Prospects in Microbiology**”.

3. 8th October, 2018

The Department organized a guest lecture on “**Women Today**” in the Mini Auditorium for the UG and PG students on 8th October, 2018. **Dr.V.Ganesan**, Associate Professor, Department of English, A.M. Jain College, Chennai was the invited speaker. The talk was about the challenges faced by today’s Women and strategies to safeguard themselves in the changing scenario. He also spoke to the students about equipping themselves with the related skills to get a better job and insisted that the students must learn as many languages as possible.



19-20

Microfest- 06.08.2020- Dr. S. Mahalingam, Professor, National Cancer Tissue Biobank (NCTB), Department of Biotechnology, Indian Institute of Technology Madras (IITM), Chennai, was the Chief Guest of the day. He rendered an enlightening inaugural address of HIV- AIDS and Cancer



Dr.S. Mahalingam on HIV-AIDS

Microfest- 06.08.2020 What's New("New Technologies and Advancements in the field of Life Sciences") paper presentation by students to discuss the recent research thrust areas.



Whats new- research thrust area- a presentation by students

Microfest 06.08.2020 Poster Presentation and “Effective Strategies to utilize less Water” respectively.



20-21

organized a Webinar on “Biology Degrees and Careers at a Glance” for the benefit of school students on 23rd May 2020. The speaker Dr. Daniel Alex Anand, Associate Professor, Department of Bioinformatics and The Centre for Molecular Data Science and Systems Biology, Sathyabama Institute of Science and Technology, Chennai.

16.05.2020 Webinar on “Recent trends in Biotechnology and its opportunities”.



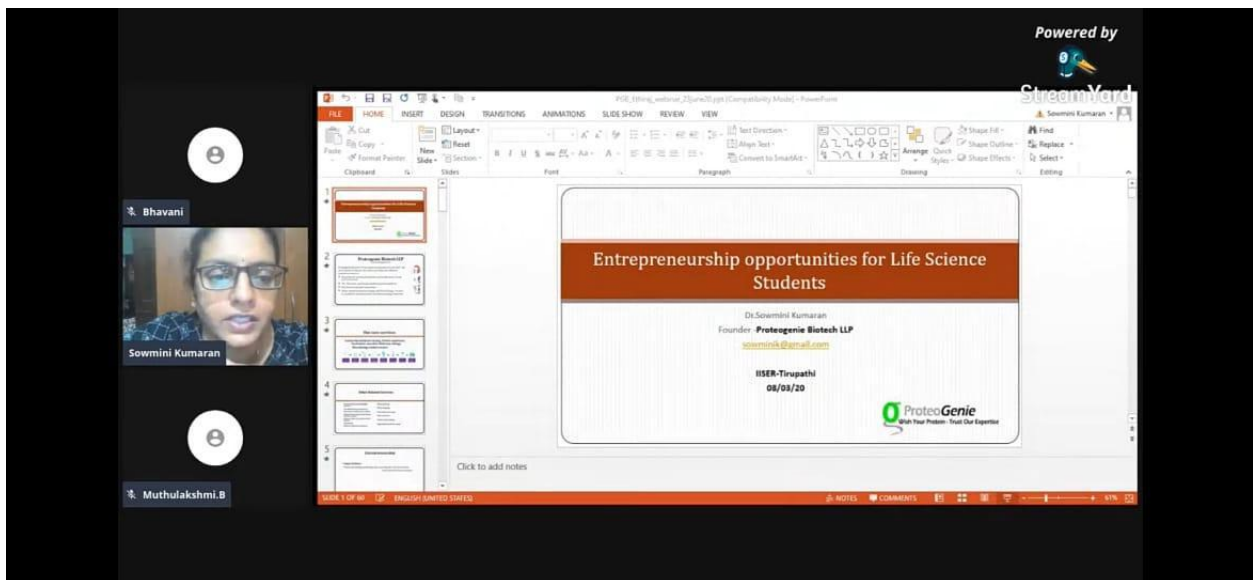
The image shows a webinar slide with a dark purple background. In the top left corner, there is a logo for 'CLINBIOCARE TECHNOLOGY' with the tagline 'YOU HAVE AN IDEA, WE HAVE A STRATEGY'. The main title of the webinar is 'RECENT TRENDS IN BIOTECHNOLOGY & ITS OPPORTUNITIES' in white, bold, uppercase letters. Below the title, the speaker's name and title are listed: 'DR S ANANTHI, HEAD OPERATIONS - PROTEOMICS, CLINBIOCARE TECHNOLOGY'. The background of the slide features a laboratory setting with a pipette and a rack of test tubes. In the top right corner, there are three small video thumbnails: the top one shows a woman speaking, the middle one shows another woman, and the bottom one is a placeholder icon. A timestamp '2020-05-16 14:55:37' is visible in the bottom right corner of the slide.

22.06.2020 and **23.06.2020** “Capacity Building for Life Science students”.

Webinar series on “Capacity Building for Life Science Students” was organized on 22nd and 23rd June 2020 by the PG and UG students of the Department. The Speaker, Mr. Naveen Dubey, Founder and CEO, TND International and The New Dynamics, Chennai enlightened the students about “The Art of Cracking Interviews” and on the second day, Dr. Sowmini Kumaran, Founder, Proteogenic Biotech LLP, Chennai, spoke on “Entrepreneurship Opportunities for Life Science Students”. The webinar had the presence of 288 participants.



Dr.Naveen Dubey on capacity building



Dr.Sowmini on Entrepreneurship opportunities