



## NEWSLETTER 2022-2023

**“INCULCATING  
KNOWLEDGE WITH  
INSPIRATION,  
IMAGINATION AND  
INVENTION”**



### ABOUT THE DEPARTMENT

Department of Microbiology established in the year 1999 is one of the oldest Department in the college.

PG Course was started from 2004. It has well furnished laboratories with all basic and advanced facilities to cater the needs of the students. The Department has well qualified staff members with the mission of producing intellectually motivated, scientifically advanced young community. The Department is producing rank holders every year. Our students are well placed as research scholars and been placed in leading industries. The success of Department relies on constant support and encouragement of management, teaching staff, non teaching staff and students.

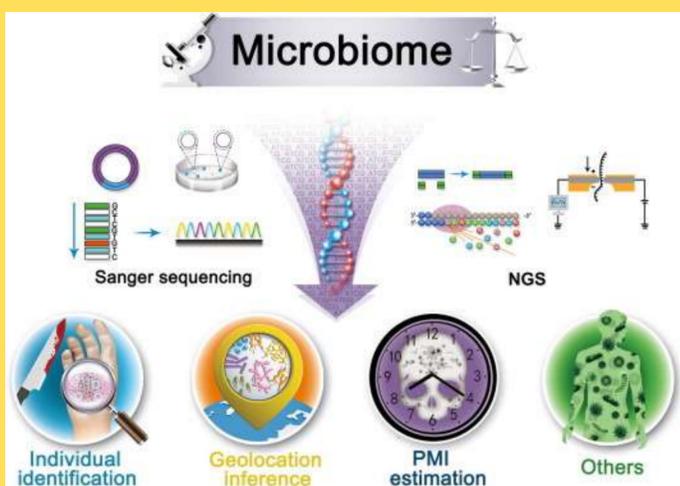
### ABOUT THE COURSE

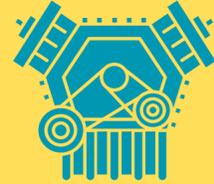
Welcome to the fascinating world of microbes. Microbiology is an applied branch of life sciences and impacts the life of humans, animals and plants. One cannot imagine life without microbes. The Department has a strong commitment to excellence in both teaching and research. The Department is striving hard to provide a conducive learning environment and student-friendly atmosphere that facilitates academic excellence in aspects of Microbiology. We are committed to produce highly skilled microbiologists capable of facing the challenges of today's world. The faculty members are very active and successful in research, bringing the latest knowledge to the lectures and practical lab classes. We have industry oriented curriculum leading to graduate and postgraduate degrees in Microbiology.



### RECENT TRENDS IN MICROBIOLOGY

MICROBIOLOGY TRENDS ENCOMPASS A WIDE ARRAY OF ADVANCEMENTS, FROM COMBATING ANTIMICROBIAL RESISTANCE TO UNRAVELING THE INTRICACIES OF THE HUMAN MICROBIOME. RESEARCHERS ARE HARNESSING CUTTING-EDGE TECHNOLOGIES LIKE CRISPR-CAS9 FOR GENETIC ENGINEERING AND DELVING INTO SINGLE-CELL ANALYSIS TO UNVEIL MICROBIAL MYSTERIES. MOREOVER, THE INTERSECTION OF MICROBIOLOGY WITH FIELDS LIKE BIOINFORMATICS AND ENVIRONMENTAL SCIENCE IS PAVING THE WAY FOR INNOVATIVE SOLUTIONS TO GLOBAL CHALLENGES, INCLUDING INFECTIOUS DISEASES AND CLIMATE CHANGE.





## ACADEMIC ACHIEVEMENTS

**OUR STUDENTS CLEARED ALL THE SUBJECTS WITH GOOD PERCENTAGE OF MARKS WITH CONTINUOUS SUPPORT OF ALL THE FACULTY MEMBERS AND MANAGEMENT . THE UG STUDENTS OF BATCH 2021-2022 PASSED WITH 96% AND PG STUDENTS OF BATCH 2021-2022 PASSED WITH 100% RESULTS.**



## ACADEMIC CONTRIBUTIONS OF STAFF MEMBERS

Our staff members contribute their time and efforts to prove their interest and passion in the field of academic and research. Dr.R.Azhagu Senthil Radha and M.Nithiya Soundari successfully completed a NPTEL Online Certificate Course. Mrs.S.Gini, Dr. M. Nithiya Soundari, Dr.C.Sweetline and J.Jasmin Vijila had participated in three days Online Teacher training lecture workshop. Dr.R.Azhagu Senthil Radha, Mrs.S.Gini, Dr. M. Nithiya Soundari and Dr.C.Sweetline had participated in 7 days online FDP Programme. Dr. M. Nithiya Soundari had participated in the two days workshop on Tools & Techniques in Bioinformatics.

Dr.R.Azhagu Senthil Radha, Mrs. S.Gini, Dr. M. Nithiya Soundari and Dr.C.Sweetline had participated in NAAC sponsored two day National level workshop on “Quality Assessment and Accreditation HEIs. Dr.R.Azhagu Senthil Radha, Mrs.S.Gini, Dr. M. Nithiya Soundari and Dr.C.Sweetline had participated in 7 days online FDP Programme on “Avenues of Biotechnology” conducted by SRM institute of Science and Technology.

## WORKSHOP/WEBINAR/CONFERENCE/FDP ORGANIZED

Our Department organized well planned workshops, webinars and FDP for the update and sharing of knowledge among students and faculty of our college and neighboring colleges. The Department of Microbiology, Biotechnology, Biochemistry in association with Internal Quality Assurance Cell was organized a Webinar on the topic “Yoga Vidya – Understand the Anatomy and Physiology” on 28.07.2022. The webinar was conducted by the resource person Ms. A. Kowsalya, Yoga Teacher, High Definition Fitness Centre.

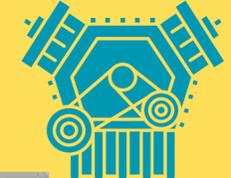
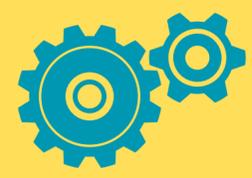
The Department of Microbiology, Biotechnology, Biochemistry in association with Internal Quality Assurance Cell was organized a Webinar on the topic “An Enlightenment Program on Enterprise and Experience The Reality In food Safety” on 07.10.2022. The webinar was conducted by the resource person Mr. K. SIRAJ, Managing Director, Inlead Management Service. The Department of Microbiology in association with Internal Quality Assurance Cell Organized a Workshop on the topic “CAREER ASSISTANCE WORKSHOP ON CONNECTING CAREER TO LIFE” on 14.03.2023. The Department of Microbiology in association with Internal Quality Assurance Cell organized a Workshop on the topic “CLINICAL DIAGNOSTICS” on 09.11.2022.

## RESEARCH ACHIEVEMENTS

Our staff members Dr.R.Azhagu Senthil Radha, Mrs.S.Gini, Dr. M. Nithiya Soundari and Dr.C.Sweetline presented many papers in the International Conferences.

Dr.M.Nithiya Soundari and Mrs.S.Gini published papers in an international journal.

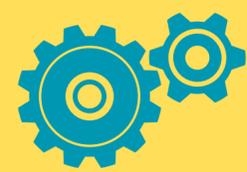




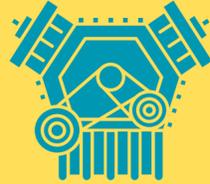
**ADD ON COURSES**

All the UG and PG students of our Department were educated with an Add on course on the topics “Immunotechniques”, “Analytical Techniques”, “DMLT”, “Advanced Microbial Techniques” and “Eco Micro products”. The course was conducted during the academic year 2022-2023. The main objective of the course is to understanding of the subject strongly from the basis of experiments and techniques. It gives life science students excellent opportunity to acquire skills and knowledge which is a part of the curriculum.





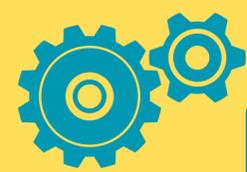
# INTRA DEPARTMENT ACTIVITY



On behalf of Department of Microbiology, “Model making Competition” was held on 26th September, 2022 on the topic “Utilization of wastes for environment conservation” in observance of “World Environmental Health Day- 26th September 2022”. It was established by the International Federation of Environmental Health (IFEH) in 2011 to highlight the importance of caring for environmental health. Several events are organized by the IFEH on World Environment Health Day to send the message of caring for the environment.

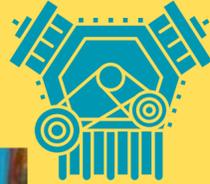
World Environment Health Day is observed around the world by IFEH members and other countries. The students had brought excellent ideas on recent trends in science & technology and its pros and cons. On behalf of Department of Microbiology, “Skit Play” was held on 24th January, 2023 on the topic “Digital Generation; Our Generation” in observance of “International Day of Education”.





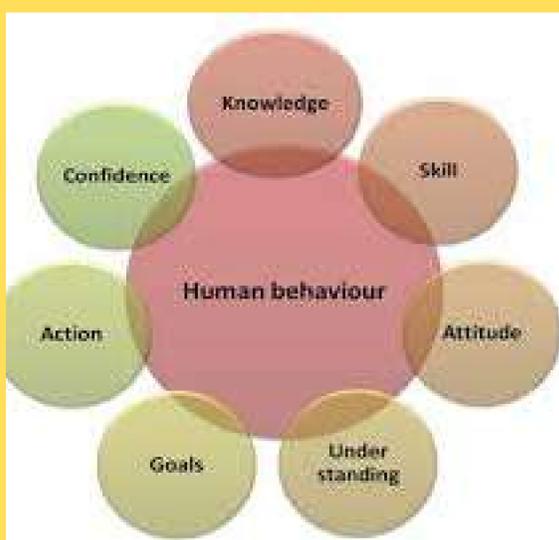
## EXTENSION ACTIVITY

In observance of “World Energy Conservation Day”, students from Department of Microbiology created awareness on Medavakkam main road to college campus. As a part of curriculum, our final year UG students along with two faculty members Mrs.S.Gini and Dr.M.Nithiya Soundari went for extension activity on 14th December 2022. This day is widely celebrated as “World Energy Conservation Day” throughout the world. Many public were benefitted and the awareness made a enlightening to the society. Management and Department motivated students to do their extension activity in a useful manner. By this extension activity the students, staffs and public were benefitted



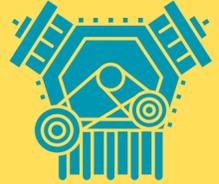
## ALUMNI ACTIVITY

Department of Microbiology, successfully organized an alumni talk for our UG and PG students. A notable alumni, Mr. G.Prakash, our former PG student who is currently working as a Lab Assistant, NCCR, NIOT, Chennai was invited to deliver an inspirational talk to our final year UG and PG students. The alumni meet is to reconnect with the Alumni and celebrate their success and various achievements. Alumni also interacted with the students and gave motivational talk regarding preparing for higher studies and placements.



DEVELOPING AMONG STUDENTS A SENSE OF PARTICIPATION IN NATION BUILDING THROUGH SOCIAL WORK





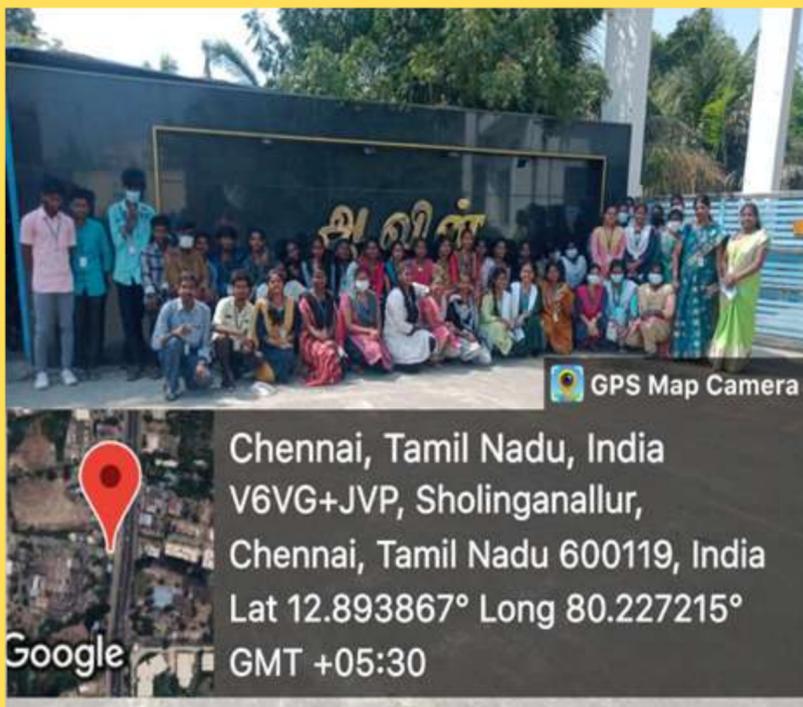
## INDUSTRIAL VISIT

On 10th February 2023, our final year UG and PG students along with faculty members visited AAVIN Dairy Plant – (Tamilnadu Co-operative Milk Producers’ Federation Limited (TCMPF)) at Sholinganallur. The main objective of this industrial visit is to make our students aware of different techniques and expose them to get practical experience in the dairy production and to visit a milk processing unit and explore Milk and dairy processing.



**5 KEY REASONS** why industrial visits are important.

- Networking opportunities equates to increased employability
- Industry ready candidates are required
- Exposure to industry experts
- Enhanced learning experience
- Growth in learning soft skills



## STUDENTS ACHIEVEMENTS



Our II PG students S.Varalakshmi, M.K. Nandhene, M. Renuka, D.Madan Kumar, D.S. Vijaya Kumar, A.Joyce Jenifer, G. Soundarya, S. Keerthika and R. Anandhi had presented many papers in the International Conference.

S.Varalakshmi, M.K.Nandhene, M.Renuka, G. Swathy and M.Lakshmi Priya had participated in International webinar.

Our III UG Students S.Keerthika, S. Devasena and V.S. Haarthe had participated in paper Presentation in “Micro Matsuri 2023”. Our III UG Students A.Santiago, M.Thameem Ansari had participated and won 1st prize in T-Shirt Painting in “Micro Matsuri 2023”.

Our PG Students, D.Madan Kumar, S.Varalakshmi and M.Renuka had completed their online course on “COVID-19: Diagnostics and Testing”. Students participated in a seminar on “A Health Strengthening Programme” and an “Enlightenment Programme”. Students actively participated in a workshop on “Clinical Diagnostics”.

Our students participated and won prizes in an Intra Department activity to observe “World Environmental Day” and “International Day of Education”. Our students participated and won prizes in an Inter Department activity to observe “National Science Day” on 16.09.2022.

