

**ST. JOSEPH'S COLLEGE OF ARTS & SCIENCE (Autonomous),**

**CUDDALORE – 607001**

**PG & RESEARCH DEPARTMENT OF MICROBIOLOGY**

**ANNUAL REPORT (June2024 – March 2025)**

**Report Title: Inauguration of Microbiology Association**

**Date : 12.08.2024**

### **Activity Report 1**

PG and Research Department of Microbiology organized the Inaugural function of Microbiology association to enhance the skill of the students on 12.08.2024. Dr. J. Jayaprakash, Head, PG and Research Department of Microbiology delivered the welcome address. The Chief Guest was Dr. D. Dhanasekaran, Professor, Department of Microbiology, Bharathidasan University Tiruchirappalli delivered the guest lecture on **“Microbiome analysis and Genomic explorations of symbionts in Actinorhizal plants”** for shift I and **“Detection and control of Cyanobacterial bloom in Fresh water reservoir”** for shift II students. Dr. M. Parimala Celia, Assistant Professor, Department of Microbiology coordinated and introduced the office bearers of the Microbiology Association.



**Office Bearers of the Microbiology Association with the Dignitaries**

## Activity Report 2

**Report Title: International Conference**

**Date : 10 & 11.09.2024**

The PG & Research Department of Microbiology II & III-year students of day college has participated in International Conference on “Exploring New Insights in Genetics, Molecular Biology and Advancements in life science” on September 10 & 11, 2024. The conference was organized by Sri Manakula Vinayagar Engineering College, School of Arts and Science, Madagadipet, Puducherry. The conference sessions will cover the current concerns, prospective tactics, difficulties, and solutions in research. The programme was coordinated by Dr. C. Swaminathan and Dr. R. Krishnan, Assistant professor, PG & Research Department of Microbiology, St. Joseph’ s College of Arts & Science (Autonomous), Cuddalore.



**Students along with the staff at SMVEC**



## Activity Report 3

**Report Title:** Sathyabama Institutional visit

**Date** : 16.09.2024

The I PG Applied Microbiology students participated in Training on Real – Time PCR and Data analysis on 16<sup>th</sup> September 2024 organized by Sathyabama Institute of Science and Technology, Chennai. A total of 28 students were participated and received a certificate. The students got depth knowledge on primer designing, data analysis and interpretation, relative quantification of gene expression analysis. The event was coordinated by Dr. J. Jayaprakash, Head of the department, Dr. D. John Milton and Dr. R. Krishnan, Assistant Professor, department of Microbiology.



**Students along with staffs in Sathyabama university**

## Activity Report 4

**Report Title: Entrepreneurship program**

**Date : 14.08.2024**

PG and Research Department of Microbiology organized “Entrepreneurship program for shift I (girls) and shift II to enhance the basic skill on Entrepreneurship on 14.08.2024. Dr. J. Jayaprakash, Head, PG and Research Department of Microbiology delivered the welcome address. Ms. S. Arulmozhi and Ms. M. Indira an entrepreneur and alumni of the department presented a demo session about Aari works and Chocolate making to our students. The program was coordinated by Dr. R. Krishnan and Dr. S. Megala, Assistant professor, Department of Microbiology.



**Students along with the alumni during the activity**

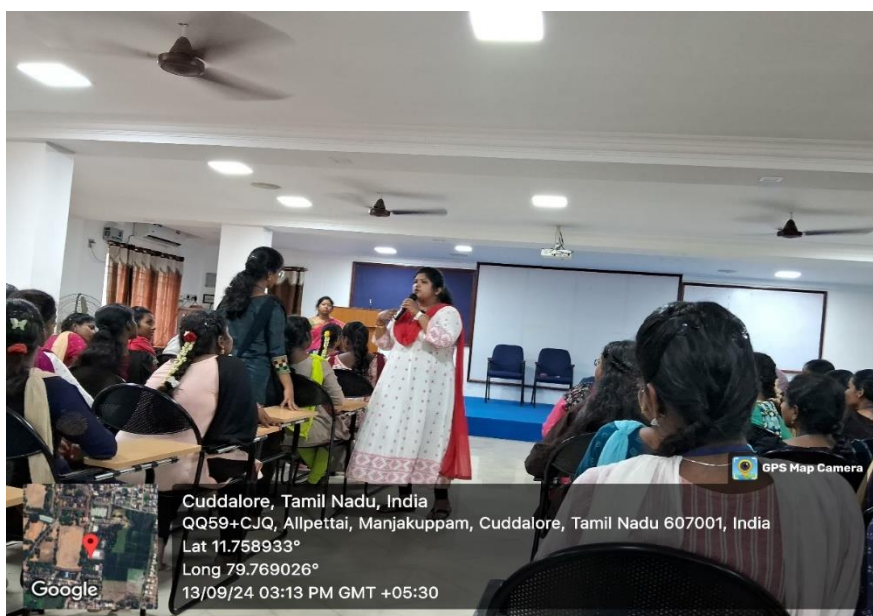


## Activity Report 5

**Programme Title: 'Interpersonal Skill Development Programme'**

**Date: 13.09.2024 - Shift-II**

The PG and Research Department of Microbiology has organized an Interpersonal Skill Development Programme on 13.09.2024. Mrs. Diana Sanjini Paul, Administration Secretary, Irish Defence Forces, Ireland delivered the talk on Interpersonal skills required for students to face an interview. 101 students of II & III B.Sc. Microbiology (Shift- II) attended the programme. Dr. D. Sumitha, Assistant Professor, Department of Microbiology organized the programme.



**Mrs. Diana Sanjini Paul, Administration Secretary, Irish Defence Forces, Ireland  
interaction with students.**



## Activity Report 6

**Programme Title:** "Health and Hygiene among Sanitary Workers"

**Date:** 23.01.2025 - Shift-II

On 23rd January 2025, the VSL students of the Department of Microbiology (Shift II) conducted an extension program on "Health and Hygiene among Sanitary Workers" at Paathirikuppam Panchayat, Cuddalore, from 8:30 AM to 10:00 AM, with the blessings of Rev. Fr. Secretary. A total of 15 VSL students participated, under the guidance of Dr. J. Jayaprakash, Head of the Department of Microbiology. The program was coordinated by Dr. S. Megala, Assistant Professor, Department of Microbiology, and Mr. R. Rajesh Kumar, Staff, SLP. As the program emphasized, "A clean environment begins with the health and well-being of those who keep it clean."





## Activity Report 7

**Programme Title:** "Awareness programme for deaddiction patients"

**Date:** 06.07.2024 - Shift-II

On 06-07-2024 (Tuesday), the PG and Research Department of Microbiology (Shift II) conducted a motivational talk for de-addiction patients at the New Way De-addiction Centre in Paathirikuppam. The event took place between 10:30 am and 12:00 pm as a part of the Village Service-Learning program, with the blessings of Rev. Fr. Secretary. Approximately 12 students from the Village Service-Learning Program (VSL) clubs were involved in the program under the guidance of Rev. Fr. Dr. A. Alex, the SLP Director. The event was supported by Dr.J. Jayaprakash, the Head of the Department of Microbiology, Dr. S. Megala, Assistant Professor and Department Level VSL Coordinator for Shift II, and Mr. R. Rajesh Kumar, the Coordinator of SLP of our college.



## Activity Report 8

**Programme Title:** "World Entrepreneurship Day 2025"

**Date:** 03.03.2025 - Shift-II

On 03-03-2025 the PG and Research Department of Microbiology (Shift II) conducted a World Entrepreneurship Day 2025 as an IEDC celebration activity. The event took place between 3:30 pm and 4:30 pm with the blessings of Rev. Fr. Secretary. Dr. James Marry, Vice principal and Shift II incharge , Dr. Vidhya, Vice principal from PG and Research department of Computer Science jointly inaugurated the event and visited the stalls opened by the students. the program under the guidance of Rev. Fr. Dr. A. Alex, the SLP Director. The event was supported by Dr. J. Jayaprakash, the Head of the Department of Microbiology, Dr. R. Krishnan & Dr. S. Megala, Assistant Professor from PG & Research Department of Microbiology.



**Inauguration of the event by the chief guest Dr. James Marry and Dr. Vidya, Vice principals**



## Activity Report 9

**Title:** Tamil Nadu State Council for Science and Technology (TNSCST) Sponsored National level Conference on “Harnessing the Power of Microbiome in Sustainable Food and Agriculture

**Date:** 11.03.2025

The PG & Research Department of Microbiology organized a Tamil Nadu State Council for Science and Technology (TNSCST) Sponsored National Conference on “Harnessing the Power of Microbiome in Sustainable Food and Agriculture” on 11.03.2025. Rev. Fr. Secretary delivered the Presidential address and Dr. M. Arumai Selvam, Principal of the college inaugurated the conference and gave the felicitation address. Dr. S. Sivasankari, Assistant Professor, Department of Green Energy Technology, Pondicherry University, Puducherry delivered the Inaugural address. An abstract book was released by Dr. S. Sivasankari, Chief Guest of the Inaugural ceremony and first copy was received by Dr. M. Arumai Selvam, Principal of the college.



### Unveiling of Abstract Book by the dignitaries

In the Technical session - I, Dr. S. Sivasankari, Assistant Professor, Department of Green Energy Technology, Unesco Madanjeet School of Green Energy Technology, Pondicherry University, gave lecture on the topic “Microbiome as a key player in Sustainable Food and Agriculture Sector”.

In the technical session-II, Dr. R. Elango, Professor, Department of Agricultural Microbiology, Annamalai University, Chidambaram delivered a lecture on “Biofertilizer and Biopesticide for Sustainable Agriculture” and, in technical session - III, Dr. D. Dhanasekaran, Professor, Department of Microbiology, Bharathidasan University, Tiruchirappalli gave lecture on “Microbiome Engineering using Probiotic and Postbiotic food supplements”.

The Department also organized various science events like Poster presentation, Quiz competitions and Models on the same day of seminar conduction. In the Valedictory Function, Dr. D. Dhanasekaran, Professor, Department of Microbiology, Bharathidasan University, Tiruchirappalli gave valedictory address. The prizes were distributed to the winners of the events by the Chief guest Dr. D. Dhanasekaran. A total of 202 members including students, research scholars and staff members participated in the Conference