

ST.MARY'S COLLEGE (Autonomous)
Re-accredited with 'A+' by NAAC (4th Cycle)
Thoothukudi- 628001, Tamil Nadu
Department of Microbiology (SSC)



NEWSLETTER
Academic Year 2018–2019

HOD's Message

Dear Students and Faculty of the Department of Microbiology,

I am delighted to share the latest updates and achievements from our dynamic department. With six passionate and dedicative faculty members in the department, We offer big exposure to the learners for exploring new ideas in research and recognizing opportunities in the Multidisciplinary field. We also provide wide and depth knowledge in the respective discipline utilizing various digital platforms to meet the present challenge. The department is well supported with Research laboratory for Microbiology work and special lab for molecular biology

Let us continue to work together to achieve even greater milestones in the future.

Thank you for your unwavering support and efforts.

(Dr.Joys Selva Mary Albert) Head of the Department of Microbiology

Editorial Board

Dr.C. Siluvai Kirubagari Aneeshia
(Assistant Professor of Microbiology)

Ms.Maria Heartina Adlin Vaz
(Assistant Professor of Microbiology)

Ms.Gayathri. C
(Assistant Professor of Microbiology)

Ms.S.Jemesammal
(Assistant Professor of Microbiology)

Ms.M.C.Anitta
(Assistant Professor of Microbiology)

Activities of the Association

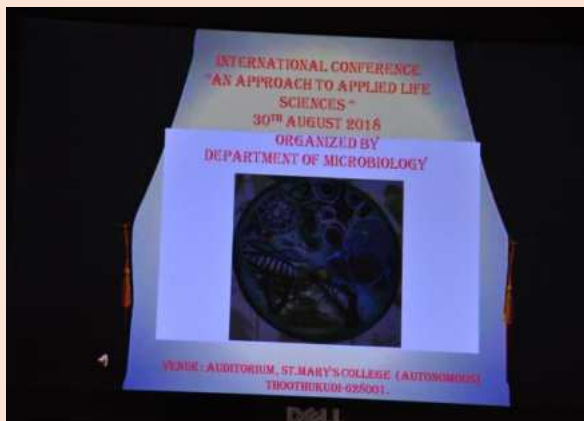
➡ Department of Microbiology conducted its Association meeting on 10th August, regarding “Viral culture using ‘chicken embryo’ technique”, Dr. Nelson Jeyakumar, Assistant Professor, Kamarajar College, Surandai presided the meeting in Fatima hall.



➡ International Conference on ‘An Approach to Applied Life Sciences’ conducted by Dept of Microbiology on 30th August at auditorium, Resource persons Dr..Starlin, Researcher, Foraminiferal Research Laboratory, Dept. Of Geology & Health Science, BengurionUniversity, Israel. Dr.P.Daniel Thomas, Asst. Prof., Dilla University School of Biomedical Science & Referral Hospital, Ethiopia&Dr.Kannan, Asst. Prof., Dept. Of Zoology, VHNSN College, Virudhunagar..



International Conference on ‘Applied Science’



Lab- No. of Activities

Class	Number of Hours
I B.Sc Microbiology	120
II B.Sc Microbiology	150
III B.Sc Microbiology	190
I M.Sc Microbiology	180
II M.Sc Microbiology	180

Mentor Mentee system

The system is a move towards Student Support and Progression. It enables to achieve holistic development of every student in the department.

A teacher has a group of 10 – 15 Students whose academic and other aspects of their progress are her concern. The teacher takes care to



concentrate more on issues related to their psychological needs during periodical Tutor-Ward Meet every Friday from 2. 30 p.m. to 4.00 p.m. A record of academic results and bio-data of each of the students is maintained. The mentees met their mentor Ten times in the odd semester and seven times in the even semester.

CERTIFICATE COURSE – II UG

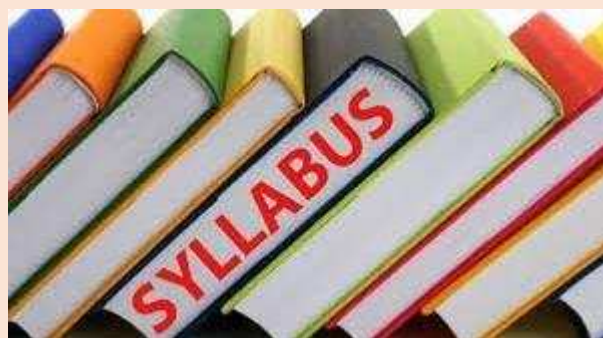
On 5th July II B.Sc Microbiology certificate course on “Milk & Milk Product Analysis” was commenced. 40 students were benefitted.

CARRIER ORIENTED COURSE – III UG

On 11th July carrier oriented course for III B.Sc Microbiology on “Mushroom Technology” was commenced. 40 students were benefitted.



BoS–External Experts & Date, Mention
OBE, CBCS



The Board of Studies Meeting of the Department of Microbiology was conducted on 24th February 2018 at 10.30a.m. in the department of Microbiology. The subject Expert of the Board of studies were Dr. N.Jeyakumar, Guest Lecturer, Department of Microbiology, Kamarajar Government College, Surandai, Dr. K. Jenitha, Assistant Professor & Head, Department of Microbiology, Scott Christian College (Autonomous), Nagercoil and Dr. Janet Rani, Head and Assistant Professor, Department of Microbiology, Sadakathullah Appa College, Tirunelveli. The Syllabus was designed in the pattern of Outcome Based Education with Choice Based Credit System. The board acknowledged and approved the set pattern.



CDP REPORT

CDP programme

The students of II B.Sc Microbiology organized a Community Development programme on 29th September in Kumarakiri, the students took census on water facilities, irrigation problems & unemployment. The folks were kind in approach.



Educational Tour / Industrial Visit Report

On 25th August, 2018 the department organized an industrial visit, to Aavin milk factory, Tirunelveli. III B.Sc and I B.Sc Microbiology students gained their knowledge on dairy microbiology.

STUDENTS ACTIVITIES

- On 12th September, B.Rajalinga Malathi and K.Nouzia Fathima of II M.Sc Microbiology presented a paper in “National Conference Innovative Trends In Life Sciences” conducted by Kamaraj college, Tuticorin and B.Rajalinga Malathi secured II prize.



- On 18th September, Department of Psychology conducted Anti-Suicide awareness programme for III UG students, Ms.Padma Kumari, Police officer Presided.
- On 25th September, B.Raja linga Malathi of II M.Sc Microbiology presented a paper in “National Seminar on Miracle Microbes (NSMM-2018)” conducted by VHNSN college, Virudhunagar and she secured III prize.
- On 19th September, Students of III UG, I PG, II PG presented their papers in “National Seminar on Biopolymers” conducted by Sadakathullah Appa College, Tirunelveli and secured the following prizes.
- I prize Muthulakshmi of III B.Sc Microbiology, I prize Maria Crosslin Mel of II M.Sc Microbiology, II prize K.Nouzia Fathima of II M.Sc Microbiology.



- M.Kavitha and S.Narayini of II B.Sc students participated in the cultural programme held on the eve of National Voters day 2019 in Thoothukudi and was placed II position at district level.

II PG – No. of Projects

A total of 8 PG students submitted their project and their details as follows

PG PROJECTS FOR THE ACADEMIC YEAR 2018 – 2019			
S.NO	TITLE OF THE PROJECT	GUIDED BY	DONE BY
1	Comparative analysis of antibacterial and antioxidant effect of <i>Allium cepa</i> crude extract and anti helminthic effect of crude extract against intestinal worms of poultry	Ms. M.C. Anitta	Anna Selvi. A (17SPMB01)
2	Beneficial aspects of the microalgae <i>Arthrospira maxima</i> in various roles like bioethanol production, pigment separation, bioremediation, plant growth stimulator and wonder food	Ms. A. Maria Heartina Adlin Vaz	Maria Crosslin Mel. R (17SPMB02)
3	Biodegradation of low density Polyethylene by microbes isolated from Thoothukudi dumpyard.	Dr. C. Siluvai Kirubagari Aneeshiya	Nouzia Fathima. K (17SPMB03)
4	Evaluation of Pharmaceutical analysis and antimicrobial activity of dry <i>Musa paradisiaca</i> peel against common pathogens	Ms. M.C. Anitta	Punithavalli. B (17SPMB04)
5	Antibacterial activity of plant leaf extract from <i>Plectranthus amboinicus</i> against common pathogens	Ms. I. Jenifer	Rajasuki. R (17SPMB05)
6	A study on novel Actinomycetes isolates of <i>Streptomyces armeniacus</i> , <i>Streptomyces alkalithermotolerans</i> , <i>Streptomyces polyrhachis</i> , <i>Streptomyces flavoviridis</i> from marine water of Thoothukudi coastal area and their beneficiary effects on biotechnological applications	Ms. C. Gayathri	Rajalinga Malathi. B (17SPMB06)
7	Characterization and Antimicrobial analysis of Silver nanoparticle synthesized by Marine Fungi isolated from mangrove associated soil of Tuticorin coast	Ms. C. Gayathri	Rajeswari. V (17SPMB07)
8	A study on <i>Catharanthus roseus</i> flower and its potentials	Dr. Joys Selva Mary Albert	Thanga Revathi. M (17SPMB08)

Programme Name : M.Sc Microbiology – Research Project

Programme Code : 17PMIP31

III UG & II PG Pass percentage

Class	Passing Percentage
III B.Sc Microbiology	100 %
II M.Sc Microbiology	100 %

Higher education

The table below displays III B.Sc Microbiology students pursuing higher education

Sl.No	Name of student enrolled for higher education	Programme completed	Name of institution joined	Name of programme admitted to
2018-19				
1	Carmelin D	B.Sc Microbiology	University Of Madras, Chennai	M.Sc
2	Deekshitha.Y	B.Sc Microbiology	Holy Cross Home Science College, Thoothukudi	M.Sc
3	Divyasri .N	B.Sc Microbiology	Kamaraj College, Thoothukudi	M.Sc
4	Inthumathi. R	B.Sc Microbiology	Kamaraj College, Thoothukudi	M.Sc
5	Joe Vinushia .A	B.Sc Microbiology	Kamaraj College, Thoothukudi	M.Sc
6	Mahima.J	B.Sc Microbiology	Sadakathulla Appa College, Tirunelveli	M.Sc
7	Maria Theresa .B	B.Sc Microbiology	Kamaraj College, Thoothukudi	M.Sc
8	Milinferrando .A	B.Sc Microbiology	PSG College Of Arts and Science, Coimbatore	M.Sc
9	Mini Varsini .A	B.Sc Microbiology	Kamaraj college, Thoothukudi	M.Sc
10	Praveena .P	B.Sc Microbiology	Tamil University, Thanjavur	M.Sc
11	Punitha .K	B.Sc Microbiology	Kamaraj College, Thoothukudi	M.Sc
12	Shamini Jashitha .J	B.Sc Microbiology	SIES College Of Arts, Science and Commerce, Mumbai.	M.Sc
13	Shiny Nirmala .T	B.Sc Microbiology	PSG College Of Arts and Science, Coimbatore	M.Sc
14	Shunmuga Priya .G	B.Sc Microbiology	VELS Institute Of Science and Technology , Pallavaram, Chennai	M.Sc
15	Soundarya .T	B.Sc Microbiology	Kamaraj College, Thoothukudi	M.Sc
16	Stella.J	B.Sc Microbiology	Kamaraj college, Thoothukudi	M.Sc
17	Yasmin Sameera.S	B.Sc Microbiology	Kamaraj College , Thoothukudi	M.Sc
18	RajaLinga Malathi.B	B.Sc Microbiology	Manonmaniam Sundaranar University, Tirunelveli	Ph.D

Placement



The following students were employed in the below mentioned companies

Year	Number of Students placed	Name	Name of the employer with contact details	Package Received (Per month)	Program graduated from
2018-2019	1	Rajasuki.R Junior Microbiologist, Quality Control	Kali Aerrated Water Works, 6/58-1, Alwarkarkulam Road, Manakarai, Thoothukudi- 628619 04630-266558	8,000	M.Sc Microbiology (SSC)