

Day-1:09.09.2026 (Wednesday)

Registration – 8.30 – 9.30 a.m

INAUGURAL SESSION- 9.45 - 10.45 a.m

TEA BREAK – 10.45 – 11.00 a.m

RESOURCE PERSONS

INVITED LECTURE –I-11.00 a.m – 12.00 p.m

TOPIC: “Harnessing Microalgae and Cyanobacteria for a Circular Bioeconomy: Innovations in Agriculture, Environment, Bioenergy and Healthcare”

Dr. N. Thajuddin. D.Sc.,

Former Pro Vice – Chancellor,

B.S. Abdur Rahman Crescent Institute of Science & Technology (Deemed to be University), Vandalur, Chennai.



INVITED LECTURE –II-12.00 – 1.00 p.m

TOPIC: “Fermentation Technology for Banana-Based Foods: Bridging Microbial Innovations and Agri-Business”

Dr. K. N. Shiva,

Principal Scientist & PI, Agri-Business Incubation Centre, Crop Production and Post-Harvest Technology division, ICAR -National Research Centre for Banana Tiruchirappalli, Tamil Nadu.



LUNCH BREAK (1.00 to 2.00 p.m)

ORAL AND POSTER PRESENTATION (02.00 to 3.00 p.m)

Day- 2 :10.09.2026 (Thursday)

INVITED LECTURE –III-10.00 – 11.00 a.m

TOPIC: “Fungal Endophytes: Their Diversity and Bioactive Potential”

Dr.V.Kumaresan

Assistant Professor of Botany, Kanchi Mamunivar Government Institute of Postgraduate Studies and Research, Puducherry.



TEA BREAK – 11.00 – 11.15 a.m

INVITED LECTURE – IV- 11.15 a.m – 12.15 p.m

Topic: "Microbiome Insights Driving Next-Generation Probiotics for Functional Food Innovation"

Dr. D. Dhanasekaran

Professor and Head, Department of Microbiology, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.



ORAL AND POSTER PRESENTATION (12.15 to 01.15p.m)

LUNCH BREAK (01.15 to 2.00 p.m)

VALEDICTION (2.00 to 3.00 p.m)

ORGANIZING COMMITTEE

CHIEF PATRON

Dr.V.Dhivaharan, M.Sc., D.E.M., Ph.D.,

CORRESPONDENT,

STET Group of Institutions.

PATRON

Dr. N. Uma Maheswari, M.Sc., Ph.D., B.Ed.,

PRINCIPAL,

S.T.E.T Women's College (Autonomous).

CONVENOR AND ORGANIZING SECRETARY

Dr.R.Mangalanayaki, M.Sc.,M.Phil.,Ph.D.,

ASSOCIATE PROFESSOR & HEAD

PG and Research Department of Microbiology

EXECUTIVE COMMITTEE MEMBERS

Dr.M.Kannahi, M.Sc.,M.Phil.,Ph.D.,B.Ed., Associate Professor

Dr.J.Victoria,M.Sc.,M.Phil.,SET.,Ph.D.,Associate Professor

Dr.G.Manimekalai, M.Sc.,M.Phil.,Ph.D.,Associate Professor

Ms.P.Maheswari, M.Sc.,M.Phil.,M.Ed.,Assistant Professor

Dr.R.Arulmozhi,M.Sc.,M.Phil.,Ph.D.,Assistant Professor

Ms.P.Kokila, M.Sc.,M.Phil.,Assistant Professor

Advisory Committee

Dr. N. Thajuddin	Pro-Vice Chancellor, B.S. Abdur Rahman Crescent Institute of Science and Technology,Vandalur.
Dr.K.Thiyagasen	Academic Advisor, S.T.E.T Women's College (Autonomous), Sundarakkottai, Mannargudi.
Dr. A. Panneerselvam	Editor in Chief - International Journal of Scientific Transaction in Environment and Technovation, S.T.E.T Women's College (Autonomous), Sundarakkottai, Mannargudi.
Dr.N.Gopalan	Dean, Research and Innovation, S.T.E.T Women's College (Autonomous), Mannargudi
Dr. N. Mathivanan	Director, Centre for Advanced Studies in Botany, University of Madras, Guindy Campus, Chennai
Dr. D. Dhanasekaran	Professor in the Department of Microbiology, Bharathidasan University, Tiruchirappalli.
Dr.V.Ambikapathy	Associate Professor and Head, Department of Botany and Microbiology, A.V.V.M Sri Pushpam College (Autonomous), Poondi.
Dr. S.S. Sudha	Professor, Department of Microbiology, Dr. NGP Arts and Science College, Coimbatore
Dr.V. Kumaresan	Assistant Professor of Botany, Kanchi Mamunivar Government Institute for Postgraduate Studies and Research, Puducherry.



A TWO DAY

**NATIONAL CONFERENCE ON
“Microbial Frontiers 2026: Transforming
Agriculture, Environment
and Healthcare through Global Innovations”**

(NCMF-2026)

Organized by

**PG AND RESEARCH DEPARTMENT OF
MICROBIOLOGY**

in association with

**MICROBIOLOGISTS SOCIETY OF INDIA
INTERNAL QUALITY ASSURANCE CELL
and INSTITUTION'S INNOVATION COUNCIL**

During

September 9th and 10th, 2026



**Sengamala Thayaar Educational Trust Women's College
(Autonomous)**

(SILVER JUBILEE INSTITUTION)

(Affiliated to Bharathidasan University, Tiruchirappalli)

(Accredited by NAAC)

SUNDARAKKOTTAI, MANNARGUDI - 614 016.

THIRUVARUR (Dt.), TAMIL NADU, INDIA.

Phone: 04367-255423, Website: www.stet.edu.in

**VENUE : Conference Hall,
Vivekanandam Block**

TIME : 9.45 a.m.

ABOUT THE INSTITUTION

"Empowering women: Empowering the Nation". Higher education, especially to women, empowers not only the family but also emphasized as a mission of capacity building of the nation. The significance of this aspect has been rightly recognized and there has been a paradigm shift in the scenario of women education in the urban. Nevertheless, higher education to women in the rural area needs encouragement, because the main source of income is agriculture and per capita income is relatively very low. In this context, SengamalaThayyar Educational Trust Women's College was established at Sundarakkottai, a hamlet in Thiruvavur district, in the year 1994 by Shrimathi Krishnaveni Vivekanandam, who entrusted the task of nurturing the institution to her illustrious son Dr.V.Dhivakaran now as the Correspondent with yonder vision for promoting higher education to women students in this downtrodden area. The institution offers 16 UG, 13 PG, 4 Ph.D., PG Diploma and Certificate Programme. SengamalaThayyar Educational Trust Women's College is recognized as one of the foremost educational Institutions, affiliated to Bharathidasan University, Tiruchirappalli. It has been accredited by NAAC. The institution has attained Autonomous status in the year 2020. The Government sanctioned NCC (SW) unit for our college through FSFS scheme. The institution is committed to academic excellence, research, innovation, skill development, and community engagement. The IQAC ensures quality through regular assessments and audits, while the R&D Cell promotes research and collaborations. The college has strengthened its digital repository through NAD-DigiLocker. A skill development programme under TNSDC in association with Adyar Anandha Bavan Sweets India Pvt. Ltd., promoting rural development through village surveys, awareness programmes, skill training, and community outreach.

ABOUT THE DEPARTMENT

The PG and Research Department of Microbiology, was established in 1995 and has grown into a vibrant center for teaching, research, innovation, and higher education. The department offers B.Sc., M.Sc., and Ph.D. programmes and has a strong academic record, including 81 University Ranks with 6 Gold Medals in UG and 120 University Ranks with 4 Gold Medals in PG. So far, the Department has successfully graduated more than 1,335 (UG), 690 (PG) and 13 Ph.D., Scholars. The Department has well equipped with ICT enabled class rooms and Centralized Instrumentation Facility. It has sophisticated instruments like HPLC, GC, Multi focus microscope, Thermal cycler, Inverted Tissue Culture Microscope, Immunofluorescent Microscope, AAS, Flame Photometer, Gel Documentation system, Automated Micronutrient Mixture and Bioreactor. Biominin Laboratories are functioning as the center for Tissue culture, biofertilizers, vermicompost production, micronutrient preparations for 14 crop varieties and mushroom cultivation. Many funded projects are received from Management and Government Funding agencies and are being operated by the Department. The students of our department have excelled in both academic as well as extracurricular activities. The atmosphere of the Department is always focused on student centric methods. So far, 139 new species, 18 new varieties, 2 new genera, 3 new generic records, 20 new records and 3 rare foliicolous fungi from India were discovered by our Research Scholars. Department has received research projects from UGC-SERO, Hyderabad, Tamil Nadu State Council for Science and Technology (TNSCST) and also filed patent in the field of microbiology. Free Bioinstrumentation training programme is being conducted every year during the summer for other college students. The excellent infrastructure facilities are available in the Department and quality education is offered by the dedicated eminent teaching faculty. The strength of the Department lies in the potential involvement in serving the humanity using biological science as tools. The department also promotes research through collaborations, training programmes, bioinstrumentation facilities, and interdisciplinary activities. The department has a strong record of organizing national and international conferences, including programmes focusing on microbiome research and emerging advances in life sciences, providing a platform for researchers, academicians, students, and industry experts to exchange knowledge and innovations

THEMES OF THE CONFERENCE

1. Microbial Innovations in Sustainable Agriculture and Biofertilizers
2. Plant-Microbe Interactions, Soil Health and Crop Improvement
3. Microbiome, Biochemistry and AI-Driven Agricultural Biotechnology
4. Microbial Biotechnology for Food Security and Climate-Resilient Agriculture
5. Bioactive Compounds, Functional Foods and Nutritional Biotechnology
6. Microbial Bioremediation, Waste Management and Circular Bioeconomy
7. Environmental Microbiology, Biodiversity and Ecosystem Health
8. Biochemistry and Microbial Biotechnology for Pollution and Climate Change Mitigation
9. AI and Emerging Technologies for Environmental Sustainability
10. Microbes, Biochemistry and Innovations in Healthcare
11. Gut Microbiome, Nutrition and Human Health
12. Antimicrobial Resistance, Therapeutics and Molecular Diagnostics
13. Nutraceuticals, Functional Foods and Diet-Based Health Innovations
14. AI, Precision Nutrition and One Health: Global Innovations for a Sustainable Future

CALL FOR ABSTRACTS

The abstracts are to be submitted in the following format. Length: Not exceeding 250 words with key words, Font: Times New Roman: Size-12 with 1.5 Spacing, Title page: Manuscript title, author(s), affiliation(s). The corresponding author should be underlined. Authors are invited to submit original abstract related to the conference theme. The abstract should be written in English and limited to 250-300 words.
e.mail id: stetmicromf@gmail.com

IMPORTANT DATES

Last date for abstract submission: 05.09.2026

Submission of Full Paper: 07.09.2026

REGISTRATION LINK: <https://forms.gle/GzmhLKHNvJtSWHPT8>

UG/PG student with or without abstract : Rs.400/-

Research Scholar with or without abstract : Rs.600/-

Scientists/Faculty Members/ Corporate Sector : Rs. 700/-

Registration include : Seminar Kit, Certificate of

Participation/Presentation, Lunch and Refreshment

POSTER PRESENTATION

The poster size should be 4 feet (width) × 4 feet (height). Authors should include the Title, Author(s) Name, Affiliation(s), Address(es), Abstract, and Keywords with the following headings: Introduction, Objectives, Methods, Result and Conclusion.

PUBLICATION OF PROCEEDING

The selected research article will be published in the proceedings with ISBN Number. Publication Charge Rs.1000 / article.

CONFERENCE AWARD: Best Oral and Poster Presentation (I, II and III)

ONLINE PAYMENT

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Details of the Payment (Tick): DD/ Online/ G-pay

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Date :

Signature

For Further Details Contact:

Dr.R.Mangalanayaki

CONVENOR AND

ORGANIZING SECRETARY

Cell:9842411307, 9865787206