

ST. ANNE'S ARTS AND SCIENCE COLLEGE

G.N.T Road, Ponnammanmedu, Madavaram, Chennai - 600 110



INTERNATIONAL CONFERENCE ON CONVERGENCE OF COMPUTING, MATHEMATICS AND MICROBIOLOGY: CHALLENGES AND OPPORTUNITIES

20th SEPTEMBER 2025



Organized by

**DEPARTMENT OF COMPUTER SCIENCE,
COMPUTER APPLICATIONS,
MATHEMATICS AND MICROBIOLOGY**

ABOUT THE COLLEGE

St. Anne's Arts and Science College, Madavaram was established in the year 2014. The College strives to sustain quality, excellence and relevance while equipping the students to meet the demands of higher education in India. Our Foundress, Servant of God, Mother Thatipathri Gnanamma is our role model, whose vision and dreams have served as an inspiration for hard work and determination. The vision of our Foundress is well translated into action by Our Chairperson, Rev. Mother Dr. Leema Rosario. The Chairperson leads the College to greater heights with her vision and foresight, meticulous planning and execution, guidance and motivation. The College provides

quality education through excellent teaching and learning activities and research pursuits so as to empower young women to evolve as self-reliant citizens who would cater to human welfare and sustainability.

VISION: To provide humanizing and liberalizing education so as to form responsible citizens who in solidarity with others will create a just society.

MISSION

- To empower youth with knowledge, skills and competence
- To provide the students with opportunities to understand the present society and critically analyze its structures
- To form their character and personality.
- To mould them into socially responsible youth.
- To enable them to create a more humane and harmonious society.
- To produce world class leaders with a difference.
- To create integrated and visionary leaders.

THE DEPARTMENTS

DEPARTMENT OF COMPUTER SCIENCE

The Department of Computer Science was established in the academic year 2014–2015. The programme trains students to demonstrate their skills as Software Developers, System Integrators, and System Analysts, among other roles.

DEPARTMENT OF COMPUTER APPLICATIONS

The Department of Computer Applications was introduced in the academic year 2014-2015. The course has been designed to provide a strong foundation in the area of computer applications and equip learners with the required skills needed in the industry and academia.

DEPARTMENT OF MATHEMATICS

The Department of Mathematics was established in 2014–2015. It trains students to become efficient mathematicians and has consistently achieved commendable results in university examinations. The faculty members nurture lifelong learners and guide students toward professional excellence, while the department remains committed to fostering analytical thinking, problem-solving, and research skills.

DEPARTMENT OF MICROBIOLOGY

The Department of Microbiology was started in the academic year 2022 – 2023, enhanced with well-equipped laboratory. All the faculties are well experienced in research and academics. The course is designed to provide job opportunities and research in various fields such as Pharmacy, Medicine, Clinical research, Agriculture, Dairy industry, Water industry, Nanotechnology & Chemical technology.

OBJECTIVE OF THE CONFERENCE

- To provide forum for the researchers, eminent academicians, research scholars and students to exchange ideas,
- To communicate and discuss research findings and new advances.
- To explore possible avenues to foster academic and student exchange, as well as scientific activities within India and Worldwide.
- To communicate and discuss problems and their applications for industry sector.

CALL FOR PAPERS:

Original research papers are invited in the following themes:

Conference Sub- Themes

Scholars can explore other related areas of research apart from the thrust areas mentioned.

COMPUTER SCIENCE & COMPUTER APPLICATIONS

- Big Data Analytics
- Internet of Things
- Artificial Intelligence
- Data Science
- Pattern Recognition
- Image Processing
- Deep Learning
- Natural Language Processing
- Machine Learning
- Cloud Computing
- Blockchain

MATHEMATICS

- Abstract Algebra
- Real Analysis
- Complex Analysis
- Mechanics
- Mathematical Modelling
- Graph theory
- Differential equations
- Operations Research
- Probability and Stochastic Process
- Statistics

MICROBIOLOGY

- Antimicrobial Resistance
- Rapid and Advanced Diagnosis
- Integration of New Technologies
- Personalized Medicine
- Sustainable Agriculture
- Biotechnology and Biomanufacturing
- Bioinformatics and Data analytics
- Environmental Microbiology

GUIDELINES FOR PAPER SUBMISSION

The Paper must contain the full title of the article, name of the author and co-author if any. The papers must be in MS-Word with Times New Roman font. The font size must be 12, with 1.5-line spacing. Abstract must contain a maximum of 250 words and full paper shall not exceed 5 pages.

PUBLICATIONS:

Conference proceedings will be published with ISSN number. Peer reviewed papers will be published online in www.ijcrar.com with ISSN.

IMPORTANT DATES

Submission of Abstract: 02.09.2025

Intimation of acceptance: 02.09.2025

Submission of full paper: 05.09.2025

REGISTRATION FEE & DETAILS

- **Students** : Rs. 400/-
- **Academicians** : Rs. 700/-
- **Research Scholars** : Rs. 600/-
- **Industrialists:** : Rs. 1000/-

Registration is compulsory for the participants. Co-Author(s) must register separately.

The fee amount may be paid through online or DD drawn in favor of **ST. ANNE'S ARTS AND SCIENCE COLLEGE**

Registration form and paper should reach us through the following e-mail on or before **05.09.2025 - ssaconf@ssacollegechennai.com**

Bank Details

A/C No: 3269606311

Bank: CENTRAL BANK OF INDIA

Branch: SEMBIAM (TN)

IFSC Code: CBIN0280881

MICR CODE: 600016020

CONTACT DETAILS:

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5. DR.SUJA MARY – 9444526157
6. DR. SRIVIDYA - 9940249991
7. DR. MOHANA - 7010885839

Online Registration Link

<https://forms.gle/1sHURmibtPdT8gM38>

ADVISORY COMMITTEE:

1. Dr.S.Murugesan

**Former Syndicate Member – (University of Madras) & Former Principal
Thiruthangal Nadar College
Chennai**

2. Dr.D.Prabu

**Assistant Professor & Head
Department of Microbiology
University of Madras
PGIBMS Taramani
Chennai**

ORGANIZING COMMITTEE

CHIEF PATRON

**Rev. Mother. Dr. Leema Rosario
Chairperson**

CONVENOR

**Dr. I. Annammal Arputhamary
Principal**

CONFERENCE ORGANIZING SECRETARY

**Smt. M. R. Benedict Kumari
Dean of College Development**