

## Department of MICROBIOLOGY – AY 2024-25

### Department Activities

#### Guest Lecture / Invited Lecture

| S. No. | Date                     | Name and Designation of the Resource Person                                                                                                        | Topic                                                                               |
|--------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1      | 30-APR-25                | Dr. A. M. Ramachandran and Dr. R. Mahenthiran<br>Department of Microbiology<br>Dr. N.G.P. Arts and Science College, Coimbatore                     | Microbial Quality Testing in Food Products                                          |
| 2      | 17-MAR-25 &<br>18-MAR-25 | Mr. Madavan Vasudevan<br>Theomics International,<br>Bangalore                                                                                      | Bioinformatics                                                                      |
| 3      | 28-FEB-25                | Dr. G. Rajamohan<br>Chief Scientist,<br>Institute of Microbial Technology (CSIR-IMTECH) Govt. of India,<br>Chandigarh                              | Antimicrobial Resistance and One Health Perspectives                                |
| 4      | 22-JAN-25                | Mr. Praveen Ramachandran,<br>Managing Director of Agaram Biotech,<br>Tirupur                                                                       | Emerging Trends in the Bio-Inputs Industry: Opportunities for Entrepreneurs         |
| 5      | 23-DEC-24                | Dr. Natesan Manickam<br>Chief Scientist and Professor,<br>Environmental Biotechnology, CSIR - Indian Institute of Toxicology Research, Lucknow, UP | Role of Microbial Biotechnology in Ecosystem restorations: Prospects and Challenges |
| 6      | 20-DEC-24                | Dr. Usha Vijaya Krishnan<br>Microbiologist, Monash University,<br>Melbourne,<br>Australia                                                          | Microbial Limits on Food Products                                                   |

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| 7  | 20-DEC-24    | Dr. Shibu M A,<br>Assistant Professor,<br>Department of Biotechnology, Bharathiar University,<br>Coimbatore                                                          | Herbal based medicine for the treatment<br>of SARS CoV-2 infection                             |
| 8  | 20-DEC-24    | Dr. S. Saranya,<br>Assistant Professor and Head,<br>Department of Artificial Intelligence and Machine Learning,<br>Dr. N.G.P. Arts and Science College<br>Coimbatore | Artificial Intelligence Revolution in<br>Biosciences: Bridging Technology and<br>Life Sciences |
| 9  | 28-NOV-`2024 | Dr. Subramanian Viswananthan,<br>Associate Professor and Head,<br>Department of Microbiology,<br>Sri Paramakalyani College, Alwarkurichi                             | Opportunities in Bioscience Research                                                           |
| 10 | 15-OCT-24    | Dr. M. Arun,<br>Assistant Professor,<br>Department of Biotechnology, Bharathiar University,<br>Coimbatore                                                            | From Cell to Plant: Understanding<br>Totipotency and Tissue Culture<br>methods                 |
| 11 | 7-OCT-24     | Dr. N. S. Maanoj<br>Founder and Principal Scientist, Universal Snakebite Education and<br>Research Organization, Krishnagiri,<br>Tamil Nadu                          | Venomous Snakebites and<br>Immunological Prospects of Antivenom<br>Antibodies                  |
| 12 | 7-OCT-24     | Dr.A.Balamurugan,<br>Group Leader, Microbiology Lab - Quality Control,<br>Solara Active Pharma Sciences Ltd,<br>Cuddalore                                            | Pharmaceutical and Medical<br>Microbiology                                                     |
| 13 | 5-OCT-24     | Dr. Valar Narendran,<br>Manager, Regulatory Affairs and quality Control,<br>Kyowa Kirin, Sydney,<br>Australia                                                        | Exploring Dynamic Career Paths in<br>Pharma: Opportunities for<br>Microbiology Graduates       |

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| 14 | 4-OCT-24  | Dr. R. Chandran,<br>Assistant Professor,<br>Department of Environmental Science,<br>PSG College of Arts and Science, Coimbatore                  | Environmental Sustainability for the<br>Future World                                                    |
| 15 | 19-SEP-24 | Dr. A. Mangaiyarkarasi,<br>Food Hygiene Officer, Dubai                                                                                           | Unlocking Career Opportunities for<br>Hygiene Officers                                                  |
| 16 | 12-SEP-24 | Dr. Aniket Naha,<br>Scientist, Department of Microbiology,<br>Pushpagiri Institute of Medical Sciences and Research Centre,<br>Tiruvalla, Kerala | Advanced Invitro and insilico strategies<br>to combat antimicrobial resistance in<br>priority pathogens |
| 17 | 30-AUG-24 | Dr. S.S.Sudha<br>Professor, Department of Microbiology,<br>Dr. N.G.P. Arts and Science College, Coimbatore.                                      | Insights on Product Development                                                                         |
| 18 | 16-AUG-24 | Dr. V. Kavitha<br>Professor and Head,<br>Department of Costume Design and Fashion<br>Dr. N.G.P. Arts and Science College, Coimbatore             | Biomimicry in Textiles and Fashion                                                                      |
| 19 | 14-AUG-24 | Ms. A. Momina Anzum,<br>Director, Mina Digital Marketing,<br>Coimbatore                                                                          | From Idea to Execution: The<br>Entrepreneurial Journey                                                  |
| 20 | 09-AUG-24 | Ms. Shobika<br>Jr. Executive officer,<br>Department of Quality Control,<br>Milky Mist Dairy Pvt Ltd, Erode                                       | Unveiling the Next Big Food Industry<br>Potential                                                       |
| 21 | 31-Jul-24 | Dr. C. Sasikala<br>Professor, Department of Microbiology,<br>Dr. N.G.P. Arts and Science College,<br>Coimbatore.                                 | Role of Communicable Diseases in<br>Global Change                                                       |

### Seminar / Workshop / Conferences organized

| S. No. | Date      | Nature of the Event<br>(Conference/ Seminar/<br>Workshop) | Title of the Event                                                                                             | Resource Person                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------|-----------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | 12-MAR-25 | Workshop                                                  | Basic Microbiological Skills and Basic Hospitality Skills                                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2      | 19-FEB-25 | Workshop                                                  | Intradepartmental Workshop on “Beyond Vision: The Power of Advanced Microscopy”                                | Dr. S. Karthik Sundaram,<br>Associate Professor,<br>Department of Microbiology, and<br>Dr. J. Devakumar,<br>Assistant Professor,<br>Department of Microbiology,<br>Dr. N.G.P. Arts and Science College<br>Coimbatore                                                                                                                                                                                                              |
| 3      | 31-JAN-25 | Workshop                                                  | Practical Perspectives on Microbiology Studies                                                                 | Dr. A. M. Ramachandran and<br>Dr. R. Mahenthiran<br>Department of Microbiology,<br>Dr. N.G.P. Arts and Science College<br>Coimbatore                                                                                                                                                                                                                                                                                              |
| 4      | 28-FEB-25 | Symposium                                                 | XVIII Louis Pasteur National Symposium on Alternative Medicine for Combating Infectious Diseases (AMCID- 2025) | Dr. N. Thamizh Selvam<br>Assistant Director- (Biochemistry),<br>National Ayurveda Research Institute for<br>Panchakarma, Central Council for Research in<br>Ayurvedic Sciences (CCRAS) Ministry of<br>Ayush,<br>Govt. of India, Thrissur, Kerala<br>Dr. Gandhirajan<br>Vice President,<br>Quality System and Accreditation Chief<br>Microbiologist Royalcare Super Speciality<br>Hospital, Neelampur, Coimbatore<br>Dr. Natesan M |

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|   |                       |          |                                      | Chief Scientist Indian Institute of Toxicology Research (CSIR-IITR) Govt. of India Lucknow                                                                                                                                                   |
|   |                       |          |                                      | Dr. G. Rajamohan<br>Chief Scientist, Institute of Microbial Technology (CSIR-IMTECH)<br>Govt. of India, Chandigarh                                                                                                                           |
|   |                       |          |                                      | Dr. B. Ramalingam<br>Scientist F,<br>Senior Deputy Director Department of Immunology National Institute for Research in Tuberculosis (ICMR-NIRT)<br>Govt. of India, Chennai                                                                  |
|   |                       |          |                                      | Dr. S. Vignesh<br>Associate Professor Department of Food Safety and Quality Assurance National Institute of Food Technology,<br>Entrepreneurship and Management,<br>Ministry of Food Processing Industries (MOFPI) Govt. of India, Thanjavur |
| 5 | 19-DEC-24             | Workshop | First Aid and Lab Safety” (Phase-II) | Dr. T. K. Saravanan<br>Chairman,<br>First Heart Foundations Network Society,<br>Coimbatore                                                                                                                                                   |
| 6 | 27-NOV-24 & 28-NOV-24 | Workshop | Basic Microscopic Techniques         | Dr. S. Karthik Sundaram and<br>Dr. J. Devakumar,<br>Department of Microbiology<br>Dr. N.G.P. Arts and Science College<br>Coimbatore                                                                                                          |
| 7 | 15-OCT-24             | Workshop | Plant Tissue Culture Techniques      | Dr. M. Arun<br>Assistant Professor,<br>Department of Biotechnology,<br>Bharathiar University,                                                                                                                                                |

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|    |                          |                     |                                                                                                                | Coimbatore.                                                                                                                                 |
| 8  | 09-OCT-24<br>& 10-OCT-24 | Technical Symposium | XVII Louis Pasteur Memorial National Level Technical Symposium on “Recent Developments in Bioscience Research” | Prof. R. Sathishkumar<br>Professor & Head,<br>Department of Biotechnology,<br>Bharathiar University,<br>Coimbatore                          |
|    |                          |                     |                                                                                                                | Dr. T. Deepak<br>Microbiologist,<br>Kovai Medical Centre and Hospital,<br>Coimbatore                                                        |
|    |                          |                     |                                                                                                                | Prof. V. S. Sree Balaji<br>Professor & Head,<br>Department of Mechanical Engineering,<br>Dr. N.G.P. Institute of Technology,<br>Coimbatore  |
| 9  | 7-OCT-24                 | Training            | Training on First Aid and Lab Safety                                                                           | Dr. T. K. Saravanan<br>Chairman,<br>First Heart Foundations Network Society,<br>Coimbatore.                                                 |
| 10 | 04-OCT-24                | Training            | Training on Purification of Chicken IgY Antibodies & Advanced Microscopic Techniques                           | Dr. N. S. Maanoj<br>Founder and Principal Scientist,<br>Universal Snakebite Education and Research Organisation,<br>Krishnagiri, Tamilnadu. |
|    |                          |                     |                                                                                                                | Dr.R.Mahenthiran<br>Assistant Professor,<br>Dr. NGPASC and<br>Dr.S.Senthil Prabhu,<br>Professor, DRNGPASC                                   |
| 11 | 28-AUG-24                | Workshop            | Antimicrobial Evaluation Methods (IIIUG Physics and Chemistry students)                                        | Dr. R. Mahenthiran,<br>Assistant Professor,                                                                                                 |

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|    |                          |          |                                                                                        | Department of Microbiology,<br>Dr. N.G.P. Arts and Science College,<br>Coimbatore.                                                                                           |
| 12 | 26-JUL-24                | Workshop | Screening Methods for Antimicrobial and Antioxidant Properties                         | Dr.C.Sasikala<br>Professor, Department of Microbiology<br>Dr. T. Indhumathi,<br>Professor, Department of Biochemistry<br>Dr. N.G.P. Arts and Science College,<br>Coimbatore. |
| 13 | 19-JUL-24                | Workshop | Hands on Training on Unlocking the Hidden World: Exploring Advanced Microscopy Methods | Dr.N.Vidhya<br>Professor &<br>Dr.M.Nivethitha,<br>Assistant Professor                                                                                                        |
| 14 | 26-JUN-24<br>& 27-JUN-24 | Workshop | Bioinformatic Tools and its Applications                                               | Mr. A. Anieth Noel,<br>Bioinformatician, Genomic Data Analyst,<br>Boltzman/Bayer Labs, Bangaluru.                                                                            |

### Alumni Interaction

| S. No. | Date      | Title                                                                             | Alumni                                                                                                                                                                       |
|--------|-----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | 26-FEB-25 | Guardians of Quality: The Crucial Role of Microbiologists in the Seafood Industry | Mrs. Renju Dilip, UAE &<br>Mrs. Anusha, Quality Auditor, Mumbai                                                                                                              |
| 2      | 21-FEB-25 | Exploring Pathways beyond Microbiology                                            | Ms. Kavidharshini N. & Ms. Mirdula S.,<br>M.Sc Clinical Embryology,<br>Dept. of Reproductive Medicine and Andrology,<br>Chettinad Academy of Research and Education, Chennai |
| 3      | 9-AUG-24  | Unveiling the Next Big Food Industry Potential                                    | Ms. Shobika<br>Jr. Executive officer, Department of Quality Control,<br>Milky Mist Dairy Pvt Ltd, Erode                                                                      |

**Extension Activities**

| S. No. | Date      | Nature of the extension                                       | Place                                      | Students involved |
|--------|-----------|---------------------------------------------------------------|--------------------------------------------|-------------------|
| 1      | 06-MAR-25 | Clean and Disease-Free Village (Waste Disposal)               | Nellithurai village                        | 50                |
| 2      | 31-JAN-25 | An awareness program on Beyond the Myths: Leprosy and Empathy | Dr. N.G.P. Arts and Science College campus | 50                |

**Co-curricular Activities**

| S. No | Date      | Name of the Event                                                                                                                                         |
|-------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 12-MAR-25 | Interdepartmental training on Basic Microbiological Skills and Basic Hospitality Skills                                                                   |
| 2     | 31-JAN-25 | Awareness Program on “Beyond the Myths: Leprosy and Empathy”                                                                                              |
| 3     | 31-JUL-24 | Inter-departmental poster competition on the theme "Healthy Liver, Healthy Life", in observance of World Hepatitis Day 2024                               |
| 4     | 30-JUL-24 | Inter departmental Poster competition on the topic “Healthy Liver Healthy Life” In view of World hepatitis day -2024                                      |
| 5     | 30-JUL-24 | Microfabs- Intradepartmental Game creating competitions on the topic “Exploring nature's microscopic wonders” in view of International Microorganisms Day |
| 6     | 16-JUL-24 | Intradepartmental Drawing Competition on the topic “The Invisible World Inside Us” In view of World Microbiome Day                                        |



## Department Achievements

### Fund Received

| S. No | Staff Name              | Funding Agency                                      | Title of the Project                                                                                                                                    | Amount Received |
|-------|-------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1     | Dr. S. Karthik Sundaram | Tamil Nadu State Council for Science and Technology | Monitoring Heavy Metal Toxicity in Water Samples Using Bioluminescent Assay                                                                             | 7500            |
| 2     | Dr. S. S. Sudha         | Tamil Nadu State Council for Science and Technology | Extraction, Identification and Formulation of Bioactive Compounds from <i>Annona muricata</i> and Analyzing Its Cytotoxic Activity Against Cancer Cells | 7500            |
| 3     | Dr. C. Sasikala         | Tamil Nadu State Council for Science and Technology | Corn Starch (Kernel) Film Development for Food Packaging: A Sustainable Alternative                                                                     | 7500            |
| 4     | Dr. R. Mahenthiran      | Tamil Nadu State Council for Science and Technology | Formulation of Herbal Hair Growth Serum with Ig Y                                                                                                       | 7500            |

### Awards and Prizes for Staff

| S.No | Date      | Name of the Staff  | Name of the Award                                                                                                                       | Awarded by |
|------|-----------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1    | 15-MAY-25 | Dr. C. Sasikala    | Student Project (2024-25) for the project entitled “Corn starch(kernel) film development for food packaging: A Sustainable Alternative” | TNSCST     |
| 2    | 15-MAY-25 | Dr. R. Mahenthiran | Student Project (2024-25) for the project entitled “Formulation of                                                                      | TNSCST     |

|   |                        |                       |                                                                                                  |                                                                                                                                                                                                                                                                                                                          |
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|   |                        |                       | herbal hair growth serum with Ig Y”                                                              |                                                                                                                                                                                                                                                                                                                          |
| 3 | 16-JAN-25              | Dr.R.Mahenthiran      | Young Teacher Award                                                                              | The Microbiologists Society, India                                                                                                                                                                                                                                                                                       |
| 4 | 12-NOV-24              | Dr. S. Senthil Prabhu | Creative and Innovative Faculty Award                                                            | SNS Institution, Coimbatore                                                                                                                                                                                                                                                                                              |
| 5 | 5-Oct-24               | Dr.R.Mahenthiran      | Fourth Prize                                                                                     | National Level Seminar in Theeran Chinnamalai College of Arts and Science for Women                                                                                                                                                                                                                                      |
| 6 | 5-Sep-24               | Dr. S. Senthil Prabhu | Best Teacher Award                                                                               | Research India Foundation, Odisha                                                                                                                                                                                                                                                                                        |
| 7 | 5-Sep-24               | Dr. J. Rengaramanujam | Quality Research Award                                                                           | Research India Foundation, Odisha                                                                                                                                                                                                                                                                                        |
| 8 | 30-Jul-24 to 31-Jul-24 | Dr C Sasikala         | Best Oral in International Conference on Advances and Applications of Biotechnology (ICAAB 2024) | School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai in association with University of East London, UK<br>Tamil Nadu State Council for Science and Technology, National Council for Science & Technology Communication, Department of Science and Technology, Govt. of India |

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| 9 | 24-Jul-24 to 26-Jul-24 | Dr C Sasikala | Best Poster in Three days<br>International Conference | Department of<br>Biosciences, Sri<br>Krishna Arts and<br>Science College,<br>Coimbatore sponsored<br>by DBT CTEP |
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| Staff Recognitions |           |                         |                                                                                                                                                                 |                                                           |
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| S. No.             | Date      | Name of the Staff       | Nature of Recognition                                                                                                                                           | Organization / Institution                                |
| 1                  | 9-MAY-25  | Dr C Sasikala           | Doctoral Committee member                                                                                                                                       | RVS College of Arts and Science, Sulur                    |
| 2                  | 30-DEC-24 | Dr. J. Rengaramanujam   | Resource person for the keynote session on Skill Enhancement Program<br>Special Lecture on "Biotechnological Achievements in Food and Pharmaceutical Industries | KS Rangasamy College of Arts and Science                  |
| 3                  | 29-DEC-24 | Dr. J. Rengaramanujam   | Fellow Member                                                                                                                                                   | Global Institute for Education and Research (GIER), India |
| 4                  | 29-DEC-24 | Dr. S.Senthil Prabhu    | Fellow Member                                                                                                                                                   | Global Institute for Education and Research (GIER), India |
| 5                  | 4-DEC-24  | Dr. S. Karthik Sundaram | External Member – Doctoral Committee                                                                                                                            | Nehru Arts and Science College, Coimbatore                |
| 6                  | 4-DEC-24  | Dr. S. Karthik Sundaram | Resource Person for National Pollution Control Day Observation and delivered a Lecture on “Pollution Distress – Are we Immune to it”                            | Sri Krishna Arts and Science College, Coimbatore          |
| 7                  | 12-NOV-24 | Dr. S.Senthil Prabhu    | Gust Lecture on the Theme: Through an Extraordinary Universe' on observation of Science Week 2024                                                               | PSGR Krishanammal K Schools, Coimbatore                   |

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| 8  | 13-NOV-24 | Dr. S.Senthil Prabhu     | BOT induction program (Batch: 2024- 2025)                                                                                       | KMCH College of Occupational Therapy, Coimbatore-48.          |
| 9  | 14-NOV-24 | Dr.S. Senthil Prabhu     | Certificate of Excellence for Peer Reviewing                                                                                    | Asian Journal of Biochemistry, Genetics and Molecular Biology |
| 10 | 20-NOV-24 | Dr.J. Renga Ramanujam    | BOT induction program (Batch: 2024- 2025)                                                                                       | KMCH College of Occupational Therapy, Coimbatore-48.          |
| 11 | 7-NOV-24  | Dr.S. Senthil Prabhu     | Resource person for a guest lecture for CBSE Regional Science Exhibition                                                        | SSVM World School, Coimbatore                                 |
| 12 | 16-OCT-24 | Dr. S. S. Senthil Prabhu | Guest Lecture and training on “Waterborne Diseases” to School Teachers in connection with the Children’s Science Congress (CSC) | Tamil Science Forum, Coimbatore District                      |
| 13 | 18-OCT-24 | Dr.R.Mahenthiran         | Resource person for the Workshop on Extraction of Chicken Egg Antibodies                                                        | Shree Venkateshwara Arts and Science College                  |
| 14 | 7-JUL-24  | Dr.S. Senthil Prabhu     | Recognition for Peer Review from                                                                                                | Uttar Pradesh Journal of Zoology                              |
| 15 | 22-JUL-24 | Dr.C.Sasikala            | Subject Expert in BoS Meeting                                                                                                   | PGP College of Arts and Science, Namakkal                     |
| 16 | 28-JUL-24 | Dr.D.Geetharamani        | Member in Inspection committee - Ph.D. (Microbiology) Increase in intake                                                        | RVS College-Sulur                                             |
| 17 | 8-JUN-24  | Dr.N.Vidhya              | University Nominee on BoS                                                                                                       | CMS College of Science and Commerce                           |
| 18 | 15-JUN-24 | Dr.N.Vidhya              | University Nominee in BoS                                                                                                       | Sri Ramakrishna CAS for Women                                 |
| 19 | 21-JUN-24 | Dr.S.S.Sudha             | External examiner in Ph.D. Viva voce                                                                                            | MR Govt.arts college, Mannarkudi                              |
| 20 | 25-JUN-24 | Dr.S.S.Sudha             | External Member - DC meeting Ph.D                                                                                               | SRM Medical college Hospital and Research Center              |

**Patents Published**

| S. No | Date     | Staff Name      | Patent Name                                                                   |
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| 1     | 9-FEB-24 | Dr. C. Sasikala | Development of Paper Using Bio-waste of Water Hyacinth (Eichhornia crassipes) |

**Online Courses Completed**

| S. No | Date       | Staff Name              | Course Completed                   | Course Provider                         |
|-------|------------|-------------------------|------------------------------------|-----------------------------------------|
| 1     | JUL-OCT 24 | Dr. C. Sasikala         | Psychology of Learning             | NPTEL                                   |
| 2     | JUL-OCT 24 | Dr. N. Vidhya           | Psychology of Learning             | NPTEL                                   |
| 3     | JUL-OCT 24 | Prof. M. Nivethitha     | Psychology of Learning             | NPTEL                                   |
| 4     | JUL-OCT 24 | Dr. S. Karthik Sundaram | Genome Editing and Engineering     | NPTEL                                   |
| 5     | OCT-24     | Dr. S. S. Sudha         | HACCP Level 3 Certification Course | Cosmos International Training Institute |
| 6     | OCT-24     | Dr. N. Vidhya           | HACCP Level 3 Certification Course | Cosmos International Training Institute |
| 7     | OCT-24     | Dr. J. Rengaramanujam   | HACCP Level 3 Certification Course | Cosmos International Training Institute |
| 8     | OCT-24     | Dr. S. Senthil Prabhu   | HACCP Level 3 Certification Course | Cosmos International Training Institute |
| 9     | OCT-24     | Dr. A. M. Ramachandran  | HACCP Level 3 Certification Course | Cosmos International Training Institute |
| 10    | OCT-24     | Dr. C. Sasikala         | HACCP Level 3 Certification Course | Cosmos International Training Institute |
| 11    | OCT-24     | Dr. S. Karthik Sundaram | HACCP Level 3 Certification Course | Cosmos International Training Institute |
| 12    | OCT-24     | Dr. R. Mahenthiran      | HACCP Level 3 Certification Course | Cosmos International Training Institute |
| 13    | OCT-24     | Dr. J. Devakumar        | HACCP Level 3 Certification Course | Cosmos International Training Institute |
| 14    | JAN-APR 25 | Dr. S. Senthil Prabhu   | Microbial Biotechnology            | NPTEL                                   |
| 15    | JAN-APR 25 | Dr. J. Devakumar        | Microbial Biotechnology            | NPTEL                                   |
| 16    | JAN-APR 25 | Dr. A. M. Ramachandran  | Microbial Biotechnology            | NPTEL                                   |

**Staff Participation**

| S. No. | Date     | Name of the Staff       | Event                                                                                                         | Organization / Institution                                                                           |
|--------|----------|-------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 1      | 6-MAR-25 | Dr. S. Karthik Sundaram | National-level awareness program on Institutional Development Plan for Higher Educational Institutions (HEIs) | Telangana Council of Higher Education (TGCHE) and Institute for Academic Excellence (IAE), Hyderabad |

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| 2  | 31-JAN25 to 6-FEB-25   | Dr. R. Mahenthiran    | Seven-day FDP on ICT Tools for Smart Teaching and Blended Learning organized                                                                                                | Shree Venkateshwara Arts and Science College, Erode                                                                                                                                                                                                       |
| 3  | 22-JAN-25 to 27-JAN-25 | Dr. R. Mahenthiran    | Six-day online Faculty Development Programme on Advancing Clinical Research: Strategies for Rigorous and Ethical Conduct                                                    | Sathyabama University, Chennai                                                                                                                                                                                                                            |
| 4  | 04-Oct-24              | Dr.C.Sasikala         | Innovative tools for Plant Genome Editing using CRISPER/Cas 9 Technology                                                                                                    | PSGR Krishnammal College for Women                                                                                                                                                                                                                        |
| 5  | 04-Oct-24              | Dr.N.Vidhya           | Innovative tools for Plant Genome Editing using CRISPER/Cas 9 Technology                                                                                                    | PSGR Krishnammal College for Women                                                                                                                                                                                                                        |
| 6  | 04-Oct-24              | Mrs. M. Nivethitha    | Innovative tools for Plant Genome Editing using CRISPER/Cas 9 Technology                                                                                                    | PSGR Krishnammal College for Women                                                                                                                                                                                                                        |
| 7  | 01-Oct-24              | Dr.A. M. Ramachandran | Refresher course in Life sciences                                                                                                                                           | Bharathiar University                                                                                                                                                                                                                                     |
| 8  | 01-Oct-24              | Dr. R. Mahenthiran    | Refresher course in Life sciences                                                                                                                                           | Bharathiar University                                                                                                                                                                                                                                     |
| 9  | 9-SEP-24 to 8-OCT-24   | Dr. N. Vidhya         | Four-week International Online Faculty Development Programme on “Bioanalytical techniques (Part 2) – Electrophoresis, Spectroscopy & Microbiology Lab Instruments (Phase I) | Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India, in association with Biotechnology Society of Nepal (BSN) and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil |
| 10 | 02-Sep-24              | Dr.C.Sasikala         | Mentoring the mentors                                                                                                                                                       | Hindusthan College of Arts and Science, Coimbatore                                                                                                                                                                                                        |
| 11 | 02-Sep-24              | Dr. S. Senthil Prabhu | Design of Internet of Things (IoT) Solutions for Sustainable Environment                                                                                                    | Dr. N.G.P Arts and Science College                                                                                                                                                                                                                        |

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|    | To 07-Sep-24            |                       |                                                                |                                                    |
| 12 | 2-Sep-24<br>To 8-Sep-24 | Dr. R. Mahenthiran    | Six-day faculty development programme on Mentoring the Mentors | Hindusthan College of Arts and Science, Coimbatore |
| 13 | 27-Jul-24               | Dr.C.Sasikala         | Effective Case Study Writing for Academic Excellence           | AICTE and Institutions Innovation Council          |
| 14 | 27-Jul-24               | Dr. N. Vidhya         | Effective Case Study Writing for Academic Excellence           | AICTE and Institutions Innovation Council          |
| 15 | 03-Jun-24 to 12-Jun-24  | Dr. J. Rengaramanujam | Online NEP Orientation & Sensitization Programme               | Banaras Hindu University, Varanasi                 |
| 16 | 03-Jun-24 to 12-Jun-24  | Dr. S. Senthil Prabhu | Online NEP Orientation & Sensitization Programme               | Banaras Hindu University, Varanasi                 |
| 17 | 03-Jun-24 to 08-Jun-24  | Dr.A.M.Ramachandran   | Nurturing Future Biotech Industry Professionals                | Karunya Institute of Technology and Sciences       |
| 18 | 08-Jun-24               | Dr. J. Rengaramanujam | Heredity and Human Race                                        | Tamil Marabu Arakattali Panpattumaiyam             |

### Staff Book Publication

| S. No | Date   | Staff Name                                       | Book Title                                                          | ISBN Number       |
|-------|--------|--------------------------------------------------|---------------------------------------------------------------------|-------------------|
| 1     | NOV-24 | Dr. J. Rengaramanujam &<br>Dr. S. Senthil Prabhu | Current Research on Bioprospecting and its Applications – Edition I | 978-81-980173-9-0 |

|   |        |                                                     |                                                                         |                   |
|---|--------|-----------------------------------------------------|-------------------------------------------------------------------------|-------------------|
| 2 | DEC-24 | Dr. J. Rengaramanujam<br>&<br>Dr. S. Senthil Prabhu | Current Research on Bioprospecting and its Applications –<br>Edition II | 978-81-980173-4-5 |
| 3 | SEP-24 | Dr. R. Mahenthiran                                  | An Introduction to Nanoscience and Nanotechnology                       | 978-93-91387-68-6 |

### Staff Publication

| S. No. | Name of the Faculty  | Title                                                                                                                                                                           | Journal Name                                                             | ISSN / ISBN No.<br>Date of publishing<br>Vol. No. | Impact Factor | SCI/WoS/UGC/SSCI/Scopus |
|--------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------|---------------|-------------------------|
| 1      | Dr. C. Sasikala      | Preparation of Topical Wound Healing Ointment using Tridax Procumbens                                                                                                           | Journal of Emerging Technologies and Innovative Research                 | 175-177, 11(8)                                    | --            | UGC                     |
| 2      | Dr. C. Sasikala      | Alkaloids Derived from Catharanthus Roseus and their Pharmacological Actions – A Review                                                                                         | International Journal of Research in Engineering, Science and Management | 158-160, 7(6)                                     | --            | UGC                     |
| 3      | Dr. C. Sasikala      | Preparation of media using extract of <i>Musa acuminata</i> for cultivation of spirulina                                                                                        | International Journal of Scientific Research and Engineering Development | 1785-1787, 8(2)                                   | --            | UGC                     |
| 4      | Dr. A.M.Ramachandran | Phytochemical Screening and Evaluation of Antimicrobial, Antioxidant and Antibiofilm properties of the Bioactive compounds from the extracts of <i>Carica papaya</i> (L) leaves | International Journal of Research and Analytical Review                  | 11(2)                                             | --            | UGC                     |



|    |                                     |                                                                                                                                           |                                                                      |                               |       |                     |
|----|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------|-------|---------------------|
| 5  | Dr. A.M.Ramachandran                | Isolation and Characterization of Polycyclic Aromatic Hydrocarbon degrading organism from Tirupur city dump yard soil                     | International Journal of Creative Research Thoughts                  | 12(7)                         | --    | UGC                 |
| 6  | Dr. S. Senthil Prabhu               | Antibacterial Activity and Biotechnological Potential of Endophytic Bacteria Isolated from Seaweed                                        | South Asian Research Journal of Natural Products                     | 177-183, 7(3)                 | --    | WoS                 |
| 7  | Dr. C. Sasikala C and Dr. N. Vidhya | An Overview of Bioactive Phytochemicals in Hordeum vulgare (Barley)                                                                       | Medicinal Phytochemicals: Exploring Nature's Pharmacy                | 252-270, 1 <sup>st</sup> Ed., | --    | --                  |
| 8  | Dr. C. Sasikala                     | Bioprospecting the Marine: the search for new drugs and technology                                                                        | Current Research on Bioprospecting and Its Applications              | 213-222, 1 <sup>st</sup> Ed., | --    | --                  |
| 9  | Dr. J. Devakumar                    | Extraction and Characterization of Antibacterial compound from actinomycetes isolated from the soil sample                                | International Journal of All Research Education & Scientific Methods | 2455-6211                     | 8.536 | UGC, Google Scholar |
| 10 | Dr.N.Vidhya                         | Production of single cell protein from fruit peel waste using Lactobacillus paracasei                                                     | Journal of Emerging Technologies and Innovative Research             | 2349-5162                     | 7.95  | UGC, Google Scholar |
| 11 | Dr.N.Vidhya                         | Evaluation of antibacterial activity and green synthesis of silver and copper nanoparticles from Thespesia populnea                       | Journal of Emerging Technologies and Innovative Research             | 2349-5162                     |       | UGC, Google Scholar |
| 13 | Dr. S. Senthil Prabhu               | Characterization Of Endophytic Fungi From Morinda Citrifolia (Noni) Against Wound Living Microorganisms To Accelerate The Healing Process | World Journal of Pharmacy and Pharmaceutical Sciences                | 228-247                       | 8.2   | UGC                 |

|    |                         |                                                                                                                                                                         |                                                       |                     |       |                |
|----|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------|-------|----------------|
| 14 | Dr. S. Senthil Prabhu   | Antibacterial Activity and Biotechnological Potential of Endophytic Bacteria Isolated from Seaweed                                                                      | South Asian Research Journal of Natural Products      |                     | 7     | Google Scholar |
| 15 | Dr. S. Karthik Sundaram | Biosurfactant-Assisted Bioremediation: A Sustainable Strategy to Revitalize Contaminated Agricultural Soils                                                             | Indian Journal of Natural Sciences                    | 0976 – 0997         | 3.078 | Scopus Indexed |
| 16 | Dr. S. Karthik Sundaram | Monitoring of Heavy Metal Toxicity in Water Samples Using Bioluminescent Assay                                                                                          | Asian Journal of Science and Technology               | 12992-12998, 15(5)  | --    | Google Scholar |
| 17 | Dr. R. Mahenthiran      | Green Synthesis of Copper Oxide and Zinc Oxide Nanoparticles from <i>Crossandra infundibuliformis</i> Extract and its Antibacterial Application in Wound Dressing Films | International Journal for Multidisciplinary Research  | 6(2), 1-14          | --    | Google Scholar |
| 18 | Dr. S. Karthik Sundaram | Exploring the Bioremediation Potential of Halophilic Bacteria on Heavy Metal Pollution                                                                                  | International Journal for Multidisciplinary Research  | 6(3)                | --    | Google Scholar |
| 19 | Dr. R. Mahenthiran      | Extraction of Melanin from Squid Ink and Its Activity as Food Bio Preservative                                                                                          | International Journal for Multidisciplinary Research  | 6(3)                | --    | Google Scholar |
| 20 | Dr. S. Senthil Prabhu   | Characterization of Endophytic Fungi from <i>Morinda citrifolia</i> (Noni) Against Wound-Living Microorganisms to Accelerate the Healing Process                        | World Journal of Pharmacy and Pharmaceutical Sciences | 13(8)               | 13(8) |                |
| 21 | Dr. A. M. Ramachandran  | Formulation of Cow Urine and Papaya Seed Extract Powder-Based Medicinal Soap and Its Antibacterial Activity Against Pyogenic Organisms                                  | Indian Journal of Natural Sciences                    | 15(85), 78803-78813 | --    | Scopus Indexed |
| 22 | Dr. A. M. Ramachandran  | Antimicrobial Property of <i>Thespesia populnea</i> Root Extracts Against                                                                                               | International Journal for Research in Applied         | 13(3), 2062-2067    | --    | Google Scholar |

|    |                                                                 |                                                                                                                                                                         |                                                                |               |    |                |
|----|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------|----|----------------|
|    | Dr. J. Rengaramanujam<br>Dr. J. Devakumar<br>Dr. R. Mahenthiran | Genitourinary Tract Infectious Pathogens                                                                                                                                | Science & Engineering Technology                               |               |    |                |
| 23 | Dr. A. M. Ramachandran<br>Dr. R. Mahenthiran                    | Isolation, Identification and Assessment of Antimicrobial, Antioxidant, Antidiabetic and Anti-Inflammatory Activity of Heat-Killed Postbiotic from Lactobacillus Strain | International Journal of Biology, Pharmacy and Allied Sciences | 4(3), 193-200 | -- | Google Scholar |
| 24 | Dr. R. Mahenthiran                                              | An In Vitro Comparative Antimicrobial Analysis of Povidone Iodine, Hydrogen Peroxide and Antibiotics Against Surgical Site Infection Causing Pathogens                  | Journal of Dental and Medical Sciences                         | 24(4), 18-23  | -- | Google Scholar |

### Book Chapters by Staff

| S.No | Date   | Name of the Staff                              | Name of the Book                                                                                             | Name of the Publisher                                                 | Year of publication | ISBN              |
|------|--------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------|-------------------|
| 1    | Feb-25 | All Staff                                      | Proceedings XVIII Louis Pasteur National Symposium on Alternative medicine for combating infectious diseases | Dr. N.G.P. Arts and Science College, Coimbatore-48                    | 2025                | 978-81-980173-3-8 |
| 2    | Dec-24 | Dr. S. Senthil Prabhu<br>Dr. J. Rengaramanujam | Current Research on Bioprospecting and Its Applications                                                      | Dr. N.G.P. Arts and Science College, Coimbatore-48, Tamil Nadu – 2024 | 2024                | 978-81-980173-4-5 |

|   |        |                                                |                                                                                  |                                                                             |      |                   |
|---|--------|------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------|-------------------|
| 3 | Dec-24 | Dr. S. Senthil Prabhu<br>Dr. J. Rengaramanujam | Current Research on<br>Bioprospecting and Its<br>Applications                    | Dr. N.G.P. Arts and Science<br>College, Coimbatore-48,<br>Tamil Nadu – 2024 | 2024 | 978-81-980173-9-0 |
| 4 | Dec-24 | Dr. J. Devakumar                               | BIOPROSPECTING<br>AND BIODIVERSITY<br>CONSERVATION                               | Dr. N.G.P. Arts and Science<br>College                                      | 2024 | 978-81-980173-4-5 |
| 5 | Nov-24 | Dr.J.Devakumar                                 | Host-Microbe<br>Interaction in "Research<br>in Microbiology<br>(Volume - II)"    | AkiNik Publications, Delhi                                                  | 2024 | 978-93-6135-981-1 |
| 6 | Nov-24 | Dr.S.Karthik Sundaram                          | Basics of<br>Bioinformatics in<br>"Research in<br>Microbiology (Volume -<br>II)" | AkiNik Publications, Delhi                                                  | 2024 | 978-93-6135-981-1 |
| 7 | Nov-24 | Dr.C.Sasikala                                  | Bioprospecting the<br>marine: The search for<br>New Drugs and<br>technology      | Dr. N.G.P. Arts and Science<br>College, Coimbatore-48,<br>Tamil Nadu - 2024 | 2024 | 978-81-980173-9-0 |
| 8 | Nov-24 | Dr. S. Senthil Prabhu<br>Dr. J. Rengaramanujam | Current Research on<br>Bioprospecting and Its<br>Applications                    | Dr. N.G.P. Arts and Science<br>College, Coimbatore-48,<br>Tamil Nadu – 2024 | 2024 | 978-81-980173-9-0 |
| 9 | Sep-24 | Dr.C.Sasikala and<br>Dr.N.vidhya               | An Overview of<br>Bioactive<br>Phytochemicals in                                 | INAM Pathipagam<br>Coimbatore, Tamil Nadu,<br>India                         | 2024 | 978-93-95137-80-5 |

|    |        |                    |                                                         |                   |      |                   |
|----|--------|--------------------|---------------------------------------------------------|-------------------|------|-------------------|
|    |        |                    | Hordeum vulgare<br>(Barley)                             |                   |      |                   |
| 10 | Sep-24 | Dr. R. Mahenthiran | An Introduction To<br>Nanoscience And<br>Nanotechnology | AGAR PUBLICATIONS | 2024 | 978-93-91387-68-6 |

### Staff Presentation

| S. No. | Date      | Name of the Staff      | Name of the Event                                                                      | Title of Presentation                                                                                                        | Organization / Institution                  |
|--------|-----------|------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 1      | 21-MAR-25 | Dr. N. Vidhya          | One Day International Conference on Future Perspectives in Plant Science (ICFPPS–2025) | Formulation of Herbal Antiseptic Powder and Its Curative Factor Against Cutaneous Infection Using Bark of Thespesia populnea | PSG College of Arts and Science, Coimbatore |
| 2      | 21-FEB-25 | Dr. A. M. Ramachandran | National Seminar on Modern Trends in Biological Research 2025                          | PAH Degrading Microbes from Rhizosphere Soil – A Monograph                                                                   | Ayya Nadar Janaki Ammal College, Sivakasi   |
| 3      | 31-JAN-25 | Dr. R. Mahenthiran     | International Conference on Innovations in Biosustainability (ICIB) Biosummit 2025     | In Vitro Assessment of Postbiotic Cell-Free Supernatant Obtained from Probiotic Bacteria and Its Antibacterial Activity      | Hindustan College of Arts & Science         |
| 4      | 31-JAN-25 | Dr. S. Senthil Prabhu  | International Conference on Innovations in Biosustainability (ICIB) Biosummit 2025     | Pharmaceutical and Therapeutic Potential of Cordyceps militaris (Medical Mushroom)                                           | Hindustan College of Arts & Science         |

|    |                   |                         |                                                                                                                                |                                                                                                             |                                                                                                                                                                                                                                                                                                                       |
|----|-------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5  | 31-<br>JAN-<br>25 | Dr. S. Karthik Sundaram | International Conference on Innovations in Biosustainability (ICIB) Biosummit 2025                                             | Extremophilic Organisms in the Bioremediation of Industrial Effluents                                       | Hindustan College of Arts & Science                                                                                                                                                                                                                                                                                   |
| 6  | 13-<br>DEC-<br>24 | Dr.S. Karthik Sundaram  | National Conference on Probiotics, Prebiotics, Postbiotics and biofortification: The future of Human Health and Nutrition      | Probiotics in Space Supporting Astronuts Health in Microgravity                                             | PSGR Krishnammal College for Women                                                                                                                                                                                                                                                                                    |
| 7  | 13-<br>DEC-<br>24 | Dr. R. Mahenthiran      | National Conference on Probiotics, Prebiotics, Postbiotics and biofortification: The future of Human Health and Nutrition      | Lactobacillus paracasei Strain with Probiotic Attributes in Kefir                                           | PSGR Krishnammal College for Women                                                                                                                                                                                                                                                                                    |
| 8  | 25-<br>OCT-<br>24 | Dr. A. M. Ramachandran  | International Conference on Recent Trends on Fungal Applications in Agriculture, Industry and Biomedical Process (IFAAIB–2024) | Fungi Candidate for Degrading Poly Aromatic Hydrocarbon (PAH) Compounds in Automobile Engine Oil and Grease | Madurai Kamaraj University, Madurai, Tamil Nadu, India                                                                                                                                                                                                                                                                |
| 9  | 30-<br>JUL-<br>24 | Dr C Sasikala           | International Conference on Advances and Applications of Biotechnology (ICAAB 2024)                                            | Developing Banana leaf-based Media for spirulina cultivation                                                | School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai in association with University of East London, UK Tamil Nadu State Council for Science and Technology, National Council for Science & Technology Communication, Department of Science and Technology, Govt. of India |
| 10 | 24-<br>JUL-<br>24 | Dr. S. Karthik Sundaram | Three days International Conference on Antibiotics and Alternative Strategies                                                  | One Health Approach to Combat Antimicrobial Resistance                                                      | Department of Biosciences, Sri Krishna Arts and Science College, Coimbatore sponsored by DBT CTEP                                                                                                                                                                                                                     |

|    |           |                                           |                                                                                                                      |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                       |
|----|-----------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |           |                                           | for Combating Antimicrobial Resistance                                                                               |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                       |
| 11 | 24-JUL-24 | Dr. R. Mahenthiran                        | Three days International Conference on Antibiotics and Alternative Strategies for Combating Antimicrobial Resistance | Comparative Studies of In Vitro Antimicrobial and Antioxidant Activity of Probiotic Cell-Free Supernatant and Heat-Killed Postbiotics Obtained from <i>Lactobacillus pentosus</i> | Department of Biosciences, Sri Krishna Arts and Science College, Coimbatore sponsored by DBT CTEP                                                                                                                                                                                                                     |
| 12 | 09-JUL-24 | Dr C Sasikala                             | International Conference on Modern Research in Biological Horizons                                                   | Nanoparticles in Agriculture: Enhancing Crop Resilience and Productivity against Abiotic stress                                                                                   | Bharathidasan College of Arts and Science, Erode                                                                                                                                                                                                                                                                      |
| 13 | 09-JUL-24 | Dr. S. Senthil Prabhu                     | International Conference on Modern Research in Biological Horizons                                                   | Pharmaceutical and Therapeutical Potential of <i>Cordyceps militaris</i> (Medical Mushroom)                                                                                       | Bharathidasan College of Arts and Science, Erode                                                                                                                                                                                                                                                                      |
| 14 | 30-JUL-24 | S. Kavin Kumar                            | International Conference on Advances and Applications of Biotechnology (ICAAB 2024)                                  | Developing Banana leaf-based Media for spirulina cultivation                                                                                                                      | School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai in association with University of East London, UK Tamil Nadu State Council for Science and Technology, National Council for Science & Technology Communication, Department of Science and Technology, Govt. of India |
| 15 | 24-JUL-24 | V Sathya Devi, Monish Kumar R, & Kiruba A | Three days International Conference                                                                                  | Antibiotics and Alternative Strategies for Combating Antimicrobial Resistance                                                                                                     | Department of Biosciences, Sri Krishna Arts and Science College, Coimbatore sponsored by DBT CTEP                                                                                                                                                                                                                     |

## Students Presentation

| S.No | Date      | Name of the Student | Name of the event                                                     | Title of Presentation      | Organization / Institution                                                                                                                                                      |
|------|-----------|---------------------|-----------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 10-FEB-25 | Srinithi A G        | Microbial instrumentation                                             | Microbial instrumentation  | SACRED HEART COLLEGE (AUTONOMOUS), TIRUPATTUR - 635 601, TAMIL NADU, INDIA<br>In association with Biotechnology Society of Nepal & Western Rio Janerio State University, Brazil |
| 2    | 20-FEB-25 | Rithanya.S          | International conference on microbiome in biodefence and therapeutics | Therapeutics in biodefence | Department of Microbial biotechnology, Bharathiar University                                                                                                                    |
| 3    | 20-FEB-25 | Sudhiksha P S       | International conference on microbiome in biodefence and therapeutics | Therapeutics in biodefence | Department of Microbial biotechnology, Bharathiar                                                                                                                               |
| 4    | 20-FEB-25 | Nithyashree P       | International conference on microbiome in biodefence and therapeutics | Therapeutics in biodefence | Department of Microbial biotechnology, Bharathiar                                                                                                                               |
| 5    | 20-FEB-25 | Mahalakhmi K M      | International conference on microbiome in biodefence and therapeutics | Therapeutics in biodefence | Department of Microbial biotechnology, Bharathiar                                                                                                                               |
| 6    | 20-FEB-25 | Jayaranjini R       | International conference on microbiome in biodefence and therapeutics | Therapeutics in biodefence | Department of Microbial biotechnology, Bharathiar                                                                                                                               |
| 7    | 20-FEB-25 | Sudhiksha D         | International conference on microbiome in biodefence and therapeutics | Therapeutics in biodefence | Department of Microbial biotechnology, Bharathiar                                                                                                                               |
| 8    | 20-FEB-25 | Abdul Rahman N      | International conference on microbiome in biodefence and therapeutics | Therapeutics in biodefence | Department of Microbial biotechnology, Bharathiar                                                                                                                               |



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|----|-----------|--------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9  | 20-FEB-25 | YUVASHRI B   | International conference on microbiome in biodefence and therapeutics                                                            | Therapeutics in biodefence           | Department of Microbial biotechnology, Bharathiar                                                                                                                                                                      |
| 10 | 20-FEB-25 | MITHRA K     | International conference on microbiome in biodefence and therapeutics                                                            | Therapeutics in biodefence           | Department of Microbial biotechnology, Bharathiar                                                                                                                                                                      |
| 11 | 13-DEC-24 | Janani.L     | National Level Conference on Probiotics, Prebiotics, Postbiotics, and Biofortification: The Future of Human Health and Nutrition | Effect of Probiotics                 | Centre of Excellence in Life Sciences, Department of Biotechnology, PSGR Krishnammal College for Women, Coimbatore supported by Tamil Nadu State Council for Science and Technology (TNSCST), Government of Tamil Nadu |
| 12 | 13-DEC-24 | Kayalvizhi.T | National Level Conference on Probiotics, Prebiotics, Postbiotics, and Biofortification: The Future of Human Health and Nutrition | Future of Human Health and Nutrition | Centre of Excellence in Life Sciences, Department of Biotechnology, PSGR Krishnammal College for Women, Coimbatore supported by Tamil Nadu State Council for Science and Technology (TNSCST), Government of Tamil Nadu |

### Awards and Prizes for Students

| S. No | Date        | Name of the Student | Name of the Award                                                                               | Awarded by                                                                               |
|-------|-------------|---------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1     | 2025-26     | R. Naveen Kumar     | Sponsored ₹2.6 Lakhs for the upcoming Tamil Nadu Cricket Tournament and National Cricket League | Tata Group has announced that Tata Capital, the financial services arm of the Tata Group |
| 2     | JAN-APR -25 | Sanjana Rajesh      | Ranked among the top 1% of toppers                                                              | NPTEL                                                                                    |

|   |                        |                                                          |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                       |
|---|------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | 27-MAR-25              | V. Boomitha                                              | Summer Training Programme at National Centre for Cell Science (NCCS), Pune under the guidance of Yadav, Dr Amit, National Centre for Cell Science (NCCS), Pune | Science Academies' Summer Research Fellowship Programme for Students and Teachers 2025                                                                                                                                                                                                                                |
| 4 | 19-FEB-25              | Joel J. S. Vijay, and S. Girija (II M.Sc., Microbiology) | shortlisted at the national level for the Food Hackathon                                                                                                       | BioNEST Incubation Center at CSIR-CFTRI, Mysuru, Karnataka                                                                                                                                                                                                                                                            |
| 5 | 30-Jul-24 to 31-Jul-24 | S. Kavın Kumar                                           | Best Oral                                                                                                                                                      | School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai in association with University of East London, UK Tamil Nadu State Council for Science and Technology, National Council for Science & Technology Communication, Department of Science and Technology, Govt. of India |
| 6 | 24-Jul-24 to 26-Jul-24 | V Sathya Devi, Monish Kumar R, & Kiruba A                | Best Poster                                                                                                                                                    | Department of Biosciences, Sri Krishna Arts and Science College, Coimbatore sponsored by DBT CTEP                                                                                                                                                                                                                     |

### Student Publication

| S. No. | Name of the Student                     | Title                                                                 | Journal Name                                             | ISSN / ISBN No.<br>Date of publishing<br>Vol. No. | Impact Factor | SCI/WoS/UGC/<br>SSCI/Scopus |
|--------|-----------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|---------------|-----------------------------|
| 1      | Kavin Kumar S, Jaya Surya S, Karthick M | Preparation of Topical Wound Healing Ointment using Tridax Procumbens | Journal of Emerging Technologies and Innovative Research | 175-177, 11(8)                                    | --            | UGC                         |

|   |                                                                                  |                                                                                                       |                                                                                          |                                                                                    |    |     |
|---|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----|-----|
| 2 | R. Koushika, P. Jayashree, V. D. Nandhini, R. Malavika, S. Deepa                 | Alkaloids Derived from Catharanthus Roseus and their Pharmacological Actions – A Review               | International Journal of Research in Engineering, Science and Management                 | 158-160, 7(6)                                                                      | -- | UGC |
| 3 | Kavin Kumar S*, Karthick M, Gowsiga V, Jaya Surya S, Subhakharini S, Subasri S K | Preparation of media using extract of <i>Musa acuminata</i> for cultivation of spirulina              | International Journal of Scientific Research and Engineering Development                 | 1785-1787, 8(2)                                                                    | -- | UGC |
| 4 | Poovitha. J, Vishnu Priya, K, Yuvashri. P, Thangapandi. R, Subarna. S            | Toxic Algal Blooms: Causes, Ecological and Health Consequences, and Sustainable Management Strategies | Environmental Biology: Advanced Research and Multidisciplinary Applications              | 92-101, 1(1), 1 <sup>st</sup> Ed., JPS Scientific Publications, Tamil Nadu, India, | -- | --  |
| 5 | Dhanusri.A, Dr.Geetha Ramani. D                                                  | Plectranthus amboinicus Essential Oil - An Effective Antimicrobial and Insecticidal Agent             | International Journal of Research in Applied Science and Engineering Technology          | --                                                                                 | -- | UGC |
| 6 | Pradeesh S,Darshan M,Anandha Kumar G,Yuvashree S,                                | Exploring the Anticancer Properties of Phytochemicals: A Review                                       | International Journal for Research in Applied Science & Engineering technology (IJRASET) | --                                                                                 | -- | UGC |

### Book Chapters by Students

| S.No | Name of the Student                                                                   | Chapter Title                                                                                       | Name of the Publisher              | Year of publication | ISBN              |
|------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------|---------------------|-------------------|
| 1    | Pradeesh S, Naveen Kumar S, Riya K S, Sabitha K, Vaishnavi S and Dr. J Rengaramanujam | Nanotechnology and Its Role in Agricultural Sciences                                                | Tamil Nadu Agricultural University | 2025                | 978-81-980128-5-2 |
| 2    | Naveen Kumar S                                                                        | Skin Microbiota and Wound Healing                                                                   | Dr.N.G.P Arts and Science College  | 2025                | 9788198017345     |
| 3    | Poovitha J, Vishnu Priya K, Yuva shri P, Thangapandi R, Subarna S, Vidhya N           | Toxic algal blooms causes, ecological and health consequences and sustainable management strategies | JPS Scientific Publication         | 2025                | 978-93-48679-90-1 |

### Industrial Visit

| S.No | Date      | Class                    | Venue                                                                               |
|------|-----------|--------------------------|-------------------------------------------------------------------------------------|
| 1    | 14-Oct-24 | III B. Sc., Microbiology | Industrial visit to Indian Cardamom Research Institute (ICRI), Mailadumpara, Kerala |
| 2    | 14-Oct-24 | II B. Sc., Microbiology  | Kannan Devan Hills Plantation Company (P) Limited                                   |