

**2nd International Conference On
Translational Research in Biomedical Sciences (TRIBS 2.0)
February, 19-21, 2025**

Venue: Tmt. Soundrabai Auditorium, Sathyabama Centre for Advanced Studies (III Floor)
Sathyabama Institute of Science and Technology, India

Oral Presentation – Session I

Venue : Senate Hall, Sathyabama Centre for Advanced Studies (I Floor)

Date : 19.02.2025

Time : 2.00 PM – 5.00 PM

Chair persons: Prof. Dr. R. Balagurunathan,

Director Research

Vivekanandha Educations Institutions, Tamil Nadu, India

Prof. Dr. S. Venkatesan,

Department of Environmental Science

Periyar University, Salem, India

S. No	Abstract Number	Title of the Abstract	Authors and Affiliation
1.	S1-OP1	Computational insights into anti-microbial peptides as potential therapeutics for breast cancer	Raashika K Central University of Tamil Nadu
2.	S1-OP2	Excitation Emission Matrix Characterization of oral tissue biopsy and blood plasma for effective delineation of oral potentially malignant disorders	Dr. Pravda Chidambaranathan Sathyabama Dental College and Hospital, Chennai.
3.	S1-OP3	Cardio-protective effect of nevirapine (NNRTI) against isoproterenol induced pathological hypertrophy in H9C2 Cells.	Matte Sairam Kalyan Andhra University
4.	S1-OP4	Studies on formulation and characterization <i>Piper Nigrum</i> of HPMC (Hydroxy Propyl Methyl Cellulose) based “Peel Off Gel” for diabetic wound ulcer applications	Livin S Bannari Amman Institute of Technology
5.	S1-OP5	Characterisation and antimicrobial effectiveness of a novel endodontic irrigant-an experimental study	Dr K Sathya Narayanan Sathyabama Dental College and Hospital, Chennai.
6.	S1-OP6	Reverse genetic bioinformatics approach for cystic fibrosis vaccine development	Sriyashwanth. A Saveetha Institute of Medical And Technical Science, Chennai.
7.	S1-OP7	Molecular cloning and functional analysis of the arginine deiminase gene (Arca) from <i>Limosilactobacillus Reuteri</i> DSM 20016	Darshali P. Thakker SRM Institute of Science & Technology
8.	S1-OP8	Facile plant-mediated biosynthesis of silver nanoparticles and investigation of their antibacterial activity	Hassan Mahmoodi Esfaddarani Vellore Institute of Technology- Chennai
9.	S1-OP9	Biosynthesis of silver nanoparticles using <i>Hedyotis sp.</i> ; Optimization, characterization, antibacterial activity against multi-drug-resistant bacteria, cytotoxicity, and wound healing in NIH/3T3 cell lines.	Miss. Monika.D Madras Christian College

10.	S1-OP10	Licochalcone a promotes neural differentiation and amyloid- β reduction through autophagy in Alzheimer's disease models	Abhay Kumar Singh Central University of Tamil Nadu
11.	S1-OP11	Complement components as baseline predictors of poor treatment outcomes in pulmonary tuberculosis	P. Arul Nancy National Institute for Research in Tuberculosis (NIRT)
12.	S1-OP12	Utilization of functional genomics in exploring the pathway of tuberculosis	V Senthilnathan Thaigarajar College
13.	S1-OP13	Integrative Network Pharmacology and Cell-Based Studies Unveil the Multi-Target Anti-Cancer Potential of Solanum xanthocarpum	Kirthika S Anna University
14.	S1-OP14	Development of Moringa leaf gummies for anaemia	Ms. S. Ilavarasi Mr.S.Kabilan Ms. M. Sathya Sri Paavai Engineering College, Namakkal
15	S1-OP15	Antioxidant-Rich Face Cream Using Orange Peel	Mr. R. Saravanakanth Mr.V.Naveen Kumar Mr.K.Velmurugan Paavai Engineering College, Namakkal
16	S1-OP16	Polyherbal mixture for relieving leg cramps during mensuration	R.Nechika Mr.S.Kabilan Paavai Engineering College, Namakkal
17	S1-OP17	Rational design of phytochemical modulators targeting psa active sites: A dual-stage strategy for prostate cancer therapy	Keerthi V Hindustan Institute of Science and Technology, Chennai.
18	S1-OP18	The Potential of CRISPR-Cas9 in Treating Genetic Disorders: Advances and Ethical Considerations	Ranjith Saveetha Institute for Medical and Technical Sciences
19	S1-OP19	<i>In vitro</i> cytotoxicity, metabolites profiling and <i>in silico</i> dengue envelope and capsid protein inhibition of Nilavembu Kudineer components – <i>Zingiber officinale</i> , <i>Vetiveria zizanioides</i> and <i>Piper nigrum</i>	D. Lavanya Sathyabama Institute of Science and Technology
20	S1-OP20	Antiviral activity of compounds obtained from <i>Carica papaya</i> and <i>Ocimum sanctum</i> against Dengue-2 viral protein by in silico analysis	D. Lavany Sathyabama Institute of Science and Technology

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Oral Presentation – Session II

Venue : Senate Hall, Sathyabama Centre for Advanced Studies (I Floor)

Date : 20.02.2025

Time : 10.00 AM – 1.00 PM

Chair persons: Dr. C. Pravda

Professor & Head
Department Of Oral Medicine and Radiology
Sathyabama Dental College and Hospital, Chennai, India
Dr. S. Sanjeevi Prasath
Assistant Professor (Research)
Centre for Nanoscience and Nanotechnology
Sathyabama Institute of Science and Technology, Chennai, India

S. No	Abstract Number	Title of the Abstract	Authors and Affiliation
1.	S2-OP1	Genomeguard: Detecting Genetic Defects	Divyaa Shree Lakshmipathy Saveetha Institute of Medical And Technical Science
2.	S2-OP2	Enhancing ovarian cancer diagnosis using machine learning and deep learning	Angeline. J Sathyabama Institute of Science and Technology,
3.	S2-OP3	Automated detection of kidney stones using coronal CT images with deep learning in the field of artificial intelligence	Riyuktha Suresh Sathyabama Institute of Science and Technology
4.	S2-OP4	Exploring coordination variability: structural tuning of zinc–carbohydrazone complexes for biological applications	Lathika P Bannari Amman Institute of Technology
5.	S2-OP5	Network pharmacology-based insights into <i>Cissus quadrangularis</i> L. for osteoporosis management	Sahil Raman Tanti Central University Of Tamil Nadu, Thiruvavarur
6.	S2-OP6	Exploring Interferon-stimulated Genes (ISGs) modulation as an antiviral strategy against chikungunya virus	Guhan KS Rajiv Gandhi Centre for Biotechnology
7.	S2-OP7	Evaluation of anticonvulsant role in acute organophosphorus toxicity	Dr. Ramarao Golime Central University of Tamil Nadu, TIRUVARUR
8.	S2-OP8	Anti-Biofilm activity of bioactive compound from marine <i>Streptomyces</i> species	Ms. Rahavi AR Dr NGP Arts and Science College
9.	S2-OP9	An Empirical Study On Public Opinion About Mediawaste And Their Consequences In Polluting The Environment	Shreya. M Saveetha School of law
10.	S2-OP10	Reprogramming the tumor microenvironment: Car-macrophages as immunotherapeutic pioneers	Lakshmi C Saveetha Institute for Medical and Technical Sciences
11.	S2-OP11	Evaluating the anticancer activity of <i>Kappaphycus alvarezii</i> and <i>Spirulina Spp</i>	R. Amirtha Varshini T.Saiakashaya

			Hemalatha S St.Joseph's College Of Engineering
12	S2-OP12	In vitro studies on the protective effect of Ambrex on acetaminophen induced hepatotoxicity	Ms Shreya Srinivasan Rajalakshmi Engineering College
13	S2-OP13	Optimizing Cyanobacterial exopolysaccharides for edible nano-coatings in meat preservation.	Ms. Vaishnavi Rishikaa Kamaraj College of Engineering and Technology
14	S2-OP14	Formulation of <i>Syzygium cumini</i> tea powder to prevent diabetes mellitus.	Mr.S.Chandru Mr.S.Prasanth Mr.A.Naren Paavai Engineering College, Namakkal
15	S1-OP15	Fabrication of biopolymer with incorporation of bioactive compounds from <i>Bruguiera Cylindrica</i> : wound healing application	Karthih M G Adaikala Selvan G Paavai Engineering College, Namakkal
16	S1-OP16	Preparation and optimization of nutrient enriched papads by using <i>Ulva lactuca</i>	Pragathi S Paavai Engineering College, Namakkal
17	S1-OP17	Evaluation of actinobacteria for plant growth promotion and biocontrol properties	Ameeru Nisha Sathyabama Institute of Science and Technology
18	S1-OP18	Genomeguard: Detecting Genetic Defects	Divyaa Shree Lakshmipathy Saveetha Institute of Medical And Technical Science
19	S1-OP19	Computational Analysis to compare the structural and compositional aspects of the envelope protein of the Omicron and XBB variant aims to investigate the stability and transmissibility characteristics of the SARS CoV-2	Prisho Mariam Paul CMS College Kottayam
20	S1-OP20	Isolation And Characterization Of Bacterial Cellulose And Its Applications	Akila K Sathyabama Institute of Science and Technology

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Oral Presentation – Session III

Venue : Senate Hall, Sathyabama Centre for Advanced Studies (I Floor)

Date : 20.02.2025

Time : 2.00 PM – 5.00 PM

Chair persons: Prof. Dr. Vasantha Kumari Neela,
Department of Medical Microbiology,
Universiti Putra Malaysia
Dr. K. Sathyanarayanan
Department. Conservative Dentistry and Endodontics
Sathyabama Dental College and Hospital, Chennai, India

S. No	Abstract Number	Title of the Abstract	Authors and Affiliation
1	S3-OP1	Targeting Kinesin-1 heavy chain in tauopathy promotes autophagy-driven degradation of phosphorylated Tau aggregates and mitigates neurodegeneration in Alzheimer's disease models	Dr. D.Siva Sundara Kumar Central University of Tamil Nadu, Thiruvavur.
2	S3-OP2	Comparative study between different artificial intelligence-based prediction methods for dementia	Vinanthi Gnanasekar Aswini Saveetha Institute of Medical And Technical Science, Chennai.
3	S3-OP3	Synthesis and characterization of metal-organic framework-based artificial enzyme mimics	Monishha S Bannari Amman Institute Of Technology
4	S3-OP4	Eutectic mixture based two phase fermentation of laccase and its studies	Paripoorani R Bannari Amman Institute Of Technology
5	S3-OP5	Reverse genetic bioinformatics approach for cystic fibrosis vaccine development	Sriyashwanth. A Saveetha Institute of Medical And Technical Science
6	S3-OP6	Unveiling the microbiome of ethnic fermented foods from Manipur and Nagaland through 16s rRNA sequencing	Ms Sochanphy Keishing Central University Of Tamil Nadu, Thiruvavur.
7	S3-OP7	A Personalized Scaffold: Bioconjugated Chitosan-Luteolin Complex Incorporated In Alginate Scaffold For Bone Regeneration Under Diabetic Condition	Mr. Kabilan P Bannari Amman Institute Of Technology, Chennai.
8	S3-OP8	Enhancing Ovarian Cancer Diagnosis Using Machine Learning And Deep Learning	Ms. Angeline. J Sathyabama Institute Of Science And Technology, Chennai.
9	S3-OP9	Loss of trans-translation sensitizes bacterial cells to fluoroquinolone antibiotic – Nalidixic acid	Dr. T. Nagarajan Saveetha Institute for Medical and Technical Sciences
10	S3-OP10	Reusable Pesticide Test Slip	Romanshia Celes G A

			Saveetha Institute for Medical and Technical Sciences
11	S3-OP11	Formulation Of Biofertilizer Using Calcium Chloride Extracted From Eggshells	Ms. Monisha Govindasamy Dr.N.G.P Arts And Science College, Coimbatore.
12	S3-OP12	Social Impact of Genetic Abnormalities in Prenatal Testing among Maternal Women & their Partners - An Indian Perspective	Sujithra Appavu LifeCell International Pvt. Ltd, Chennai
13	S3-OP13	Nanotechnology based approach to combat macrolide-resistant Mycoplasma pneumoniae	Mr. AJMAL. M.T Sathyabama Institute of Science and Technology
14	S3-OP14	Evaluation of actinobacteria for Plant growth promotion and biocontrol properties	Ameeru nisha Viveka.S Sathyabama Institute of Science and Technology
15	S3-OP15	Exploring Cryosphere bacteria for Plant growth promotion and Disease Control	Mr. Jayakrishnan. M Sathyabama Institute of Science and Technology
16	S3-OP16	High prevalence of Human Papillomavirus (HPV) Co-infection in cervical biopsy samples from Indian women.	Ganesh kumar Sarvesan LifeCell International Pvt. Ltd, Chennai
17	S3-OP17	In Vivo and Ex Vivo characterization of recombinant Mycobacterial strains for its vaccine potential	Vignesh Sounderrajan Sathyabama Institute of Science and Technology
18	S3-OP18	Development of VLP-based vaccines to generate broadly neutralizing antibodies against SARS-CoV-2 variants	Vignesh Sounderrajan Sathyabama Institute of Science and Technology
19	S3-OP19	Exploring Nucleocapsid Protein Mutations in SARS-CoV-2 and its Variants and Their Interaction with Potential Drugs Through Docking Analysis	Sudhanarayani S Rao Sathyabama Institute of Science and Technology
20	S3-OP20	Establishment of a Three-Dimensional Cervical Cancer Spheroid Model for Cytotoxicity and Drug Testing	Thangam. T Sathyabama Institute of Science and Technology
21	S3-OP21	Mosquito Surveillance and Simultaneous detection of Vector-Borne Viruses using Multiplex PCR	Hemamalani. AU Sathyabama Institute of Science and Technology
22	S3-OP22	<i>In Silico</i> Design of a Multi-Epitope Vaccine Targeting PE/PPE Proteins of <i>Mycobacterium Tuberculosis</i> for Enhanced Immunogenicity	Sakthivel Jayaraj Sathyabama Institute of Science and Technology