



**NAME: Dr.T. SATHIAMOORTHY**

**DESIGNATION: ASSISTANT PROFESSOR**

### Contact

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### Academic Qualifications

Degree	Institution	Year	Branch	Class
B.Sc.,	K.S.R Arts and Science College, Thiruchengodu, Tamil Nadu	2001	Microbiology	Second class
M.Sc.,	K.S.R Arts and Science College Thiruchengodu, Tamil Nadu	2003	Microbiology	First class

M.Phil.,	Pondicherry University	2005	Environmental Science and Engineering	Second class
Ph.D.,	Bharathidasan University, Tamil Nadu	2014	Microbiology	Commended

### Teaching Experience

Total Teaching Experience : 8 Years 10 Months

Position	Institution	Duration
Assistant professor	Sri Amman Arts and Science College, Erode, Tamil Nadu	10 months
Assistant professor	Department of Microbiology Alagappa University, Karaikudi, Tamil Nadu	2016 – Still

### Research Experience

Total Research Experience: 16 years

Position	Institution / University	Duration
JRF	Department of Microbiology, Bharathidasan University, Tiruchirappalli, Tamil Nadu	2008-2014
Assistant Professor	Department of Microbiology, Alagappa University, Karaikudi	2016-2024

### Academic and Additional Responsibilities

S.No	Position	University Bodies	Period	
			From	To
1.	Cultural Co-Ordinator	Department of Microbiology, Alagappa University, Tamil Nadu	2016	2024
2.	Department VEP - Program Cordinator	Department of Microbiology, Alagappa University, Tamil Nadu	2019	2023

### Areas of Research

Medical Microbiology

Nanotechnology

Drug Discovery

Immunobiochemistry

Environmental Microbiology

### Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDF	Nil	Nil
	Ph.D.	00	02
	M.Phil.	02	00
Project	PG	34	10
	UG / Others	Nil	Nil

### Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
23	10	1	4	5

**Cumulative Impact Factor (as per JCR)** :73.4605

**h-index** : 08

**i10 index** : 08

**Total Citations** : 330

UGC -RGNF

## Publications

## Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 5

Position	Programme	Duration	Institution
Organizing Committee Member	International Conference on Recent Trends in Microbiology –(RTM)	2017,2018,2019 2023,2024	Department of Microbiology Alagappa University Karaikudi

## Events Participated

Number of Conferences / Seminars / Workshops: 32

## Membership

### Professional Bodies

1. Member of Board of Studies affiliated colleges of Alagappa University
2. Member of Board of Studies Department of Microbiology, Alagappa University, Karaikudi

### Advisory Board

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
2016 -2023	Member of Board of Studies in B.Sc., Microbiology for affiliated colleges of Alagappa University.	Subject expert
2016-2023	Member of Board of Studies in M.Sc., Microbiology for of Alagappa University	Subject expert

### Academic Bodies in Other Institutes/ Universities

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
2021-2023	Yadava college of Arts and Science -Madurai	Subject expert
2016-2017	Member, Question Paper setting, Board of B.Sc., M.Sc., Microbiology, Bharathidasan University.	Subject expert
2017-2019	Member, Question Paper setting, Board of B.Sc., M.Sc., Microbiology, Tiruvallur University	Subject expert

2021-2023	Member, Question Paper setting, Board of M.Sc., Microbiology, Bharathiar University University	Subject expert
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### List of Research Articles / Recent Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
1.	Kumar VG, Latha R, Vedhagiri K, <b>Sathiamoorthi T</b> , Jayarani G, Sasikala R, Selvin J, Natarajaseenivasan K. 2009. Phospholipase C, proteinase and hemolytic activities of <i>Candida</i> spp. isolated from pulmonary tuberculosis patients. <i>Journal of Medical Mycology</i> , 19: 3-10 ISSN: 1156-5233	<b>2.799</b>
2.	<b>Sathiamoorthi T</b> , Dhanapaul S, Vedhagiri K, Natarajaseenivasan K. 2011. Prevalence of multidrug resistant <i>Salmonella</i> enteric serotype typhi and paratyphi A of human cases from the Tiruchirappalli district, India and their associated virulent markers. <i>Journal Public Health</i> , 19: 517-525. ISSN 1741-3850	<b>2.296</b>
3.	Manivannan, P., Ganesan, P., Naveenkumar, S., Devadoss, D.S., <b>Sathiamoorthi, T.</b> and Muralitharan, G. 2011. Molecular modelling of urease accessory interaction proteins of <i>Helicobacter pylori</i> J99 and predicting an interruption in interaction by <i>Vigna radiata</i> defensins. <i>Bioinformation</i> , 5(10): 410-415. ISSN 0973-2063	<b>0.18</b>
4.	<b>T. Sathiamoorthi</b> , J. Joseph Sahayarayan, A.Arivoli. 2016. PREVALENCE OF MULTI DRUG RESISTANCE <i>CAMPYLOBACTER JEJUNI</i> FROM RAW CHICKEN MEAT IN ERODE RETAIL SHOP. <i>International Journal of Current</i>	-

	Research, 8(9):38612-38614, ISSN: 0975-833X.	
5.	Tariq AL, Reyaz AL, <b>Sathiamoorthi T.</b> 2016. Isolation and Identification of Antibiotic Mediated Resistant Betalactum Producing Escherichia coli from Urinary Tract Infected Patients in Erode District, Tamil Nadu, India. Int J Drug Dev & Res 8: 038-042. ISSN: 0975-9344	<b>1.95</b>
6.	Arivoli Appavu, <b>Sathiamoorthi Thangavelu</b> , Satheeshkumar Muthukannan, Joseph Sahayarayan Jesudoss and Boomi Pandi. 2016 STUDY OF WATER QUALITY PARAMETERS OF CAUVERY RIVER WATER IN ERODE REGION. Journal of Global Biosciences, 5(9): 4556-4567. ISSN 2320-1355.	<b>3.028</b>
7.	<b>T. Sathiamoorthi</b> , A. Arivoli, J. Joseph Sahayarayan and M. Satheesh Kumar. 2017. Antibiotic Resistance Pattern of Bacterial Pathogens Isolated From Poultry Waste in Erode, IJEP 37 (1) : 25-30. ISSN : 0253 – 7141.	<b>2.0</b>
8.	<b>T. Sathiamoorthi</b> , K. Natarajaseenivasan, P. Velmurugan, P. Prabakaran, V. Pradeepa, A. Arivoli, J. S. Sahayarayan. 2017. Prevalence of Multi Drug Resistance Asymptomatic Bacteriuria from Pregnant Women in Karaikudi, Sivagangai District, International Journal of Modern Science and Technology, 2(7):277-283. ISSN: 2456-0235.	<b>1.6077</b>
9.	Joseph Sahayarayan Jesudass, Karthikeyan Kandasam, <b>Sathyamoorthi Thangavel</b> and Arivoli Appavu, Novel Anti-Streptococcal Peptide Produced by Mangrove Bacteria <i>Bacillus subtilis</i> , Int.J.Curr.Microbiol.App.Sci (2018) 7(1): 1374-1378, ISSN: 2319-7706	<b>0.654</b>

10.	<p><b>T.Sathiamoorthi</b>, R. Rajesh Kumar, G. Selvakumar, A. Kanchana, N. Jasmine, P.Prabakaran. GREEN SYNTHESIS OF SILVER NANOPARTICLES USING GALINSOGA PARVIFLORA LEAF EXTRACT AND ITS ANTIBACTERIAL AND ANTIOXIDANT ACTIVITIES. International Journal of Microbiology, Biochemistry, and Molecular Biology. Vol. 03, No. 01, pp. 01-08, 23 July, 2018, ISSN: 2454 7557</p>	0.274
11.	<p><b>T. Sathiamoorthi</b>, R. Rajesh Kumar, A. Kanchana, N. Jasmine, G. Selvakumar, P. Prabakaran. CHARACTERIZATION AND BIOLOGICAL APPLICATION OF SILVER NANO PARTICLES PRODUCED FROM SENNA AURICULATA LEAF EXTRACT. International Journal of Recent Advances in Biotechnology, Vol. 02, No. 01, pp. 24-30, 26 July, 2018, ISSN: 2454 7565.</p>	0.7658
12.	<p>Dr. K. Kavitha, Dr. R. Rajesh Kumar, Dr. G. Selvakumar, <b>Dr. T. Sathiamoorthi</b>. Prevalence of Asymptomatic and Symptomatic Vulvovaginal Candidiasis among Pregnant Women Attending Hospitals in Vellore District, Tamilnadu, South India. International Journal of Health Sciences and Research. Vol.8; Issue: 9; September 2018, pp- 43-46. ISSN: 2249-9571</p>	0.677
13.	<p>Poongazhalselvan Devagi, Thirunavukarasu Chitrikha Suresh, Revathi Vedachalam Sandhiya, Mohan Sairandhry, Selvaraj Bharathi, Palanivel Velmurugan, Manikkam Radhakrishnan, <b>Thangavelu Sathiamoorthi</b>, and Gopal Suresh. Actinobacterial-Mediated Fabrication of Silver Nanoparticles and Their Broad-Spectrum Antibacterial Activity Against Clinical Pathogens. Journal of Nanoscience and Nanotechnology, Vol. 20, 1–9, 2020. ISSN: 1533-4880. doi:10.1166/jnn.2020.17440</p>	1.354



14.	Ramanathan Saikishore, Palanivel Velmurugan, Dhandapani Ranjithkumar, Ragunathan Latha, <b>Thangavelu Sathiamoorthi</b> , Ashokbabu Arun, Arumugam Veera Ravi, Subpiramaniya Sivakumar. The circularRNA-miRNA axis: A Special RNA signature regulatory transcriptome as potential biomarker for oral squamous cell carcinoma. <i>Molecular Therapy-Nucleic Acids</i> . Volume 22, 4 December 2020, Pages 352-361	<b>15.6</b>
15.	Karupiah Vijay, George Seghal Kiran, S Divya, Kavitha Thangavel, <b>Sathiamoorthi Thangavelu</b> , Ranjithkumar Dhandapani, Joseph Selvin. Fatty Acid Methyl Esters From the Coral-Associated Bacterium <i>Pseudomonas aeruginosa</i> Inhibit Virulence and Biofilm Phenotypes in Multidrug Resistant <i>Staphylococcus aureus</i> : An in vitro Approach. <i>Frontiers in Microbiology</i> , 23 March 2021	<b>5.64</b>
16.	Arun Chandra Manivannan, Vinitha Devaraju, Palanivel Velmurugan, <b>Thangavelu Sathiamoorthi</b> , Subpiramaniya Sivakumar, Suresh Kumar Subbiah, Arumugam Veera Ravi. Tumorigenesis and diagnostic practice applied in two oncogenic viruses: Epstein Barr virus and T-cell lymphotropic virus-1—Mini review, <i>Biomedicine &amp; Pharmacotherapy</i> . Volume 142, October 2021, 111974	<b>6.529</b>
17.	Habeb Rahuman, Haajira Beevi, Ranjithkumar Dhandapani, Santhoshini Narayanan, Velmurugan Palanivel, Ragul Paramasivam, Ramalakshmi Subbarayalu, <b>Sathiamoorthi Thangavelu</b> , and Saravanan Muthupandian. "Medicinal plants mediated the green synthesis of silver nanoparticles and their biomedical applications. <i>IET nanobiotechnology</i> 16, no. 4 (2022): 115-144	<b>1.847</b>
18.	Rahuman, Haajira Beevi Habeb, Ranjithkumar Dhandapani, Velmurugan Palanivel, <b>Sathiamoorthi Thangavelu</b> , Ragul Paramasivam, and Saravanan Muthupandian. "Bioengineered phytomolecules-capped silver nanoparticles using <i>Carissa carandas</i> leaf extract to embed on to urinary catheter to combat UTI pathogens.	<b>3.24</b>

	<i>PloS one</i> 16, no. 9 (2021): e0256748.	
<b>19.</b>	Elangovan, Dhivya, Haajira Beevi Habeeb Rahman, Ranjithkumar Dhandapani, Velmurugan Palanivel, <b>Sathiamoorthi Thangavelu</b> , Ragul Paramasivam, and Saravanan Muthupandian. "Coating of wallpaper with green synthesized silver nanoparticles from passiflora foetida fruit and its illustrated antifungal mechanism. <i>Process Biochemistry</i> 112 (2022): 177-182	<b>3.375</b>
<b>20.</b>	Dhandapani, Ranjithkumar, <b>Sathiamoorthi Thangavelu</b> , Latha Rangunathan, Ragul Paramasivam, Palanivel Velmurugan, and Saravanan Muthupandian. "Potential Bioactive Compounds from Marine Streptomyces sp. and Their In Vitro Antibiofilm and Antibacterial Activities Against Antimicrobial-Resistant Clinical Pathogens. <i>Applied Biochemistry and Biotechnology</i> (2022): 1-22.	<b>2.926</b>
<b>21.</b>	Manivannan, Arun Chandra, Ranjithkumar Dhandapani, Palanivel Velmurugan, <b>Sathiamoorthi Thangavelu</b> , Ragul Paramasivam, Latha Rangunathan, and Muthupandian Saravanan. "Phage in cancer treatment—Biology of therapeutic phage and screening of tumor targeting peptide. <i>Expert Opinion on Drug Delivery</i> 19, no. 7 (2022): 873-882.	<b>6.648</b>
<b>22.</b>	Manivannan, Arun Chandra, Vinitha Devaraju, Palanivel Velmurugan, <b>Thangavelu Sathiamoorthi</b> , Subpiramaniyan Sivakumar, Suresh Kumar Subbiah, and Arumugam Veera Ravi. "Tumorigenesis and diagnostic practice applied in two oncogenic viruses: Epstein Barr virus and T-cell lymphotropic virus-1—Mini review. <i>Biomedicine &amp; Pharmacotherapy</i> , 142 (2021): 111974.	<b>6.529</b>
<b>23.</b>	Rameshkumar, G., Dhandapani, R., Lalitha, P., Rajapandian, S.G.K., Palanivel, V., <b>Thangavelu, S.</b> , Alyousef, A.A., Albalawi, T., Alam, P., Zubair, M. and Saleh, F.M., 2022. Prevalence and Molecular Characterization of Metallo $\beta$ -Lactamase Producing Gram-Negative Pathogens Causing Eye	<b>2.629</b>

	Infections. <i>Frontiers in public health</i> , 10. 1-11 <i>Alternative Medicine</i> 1-12, 2022, (2022).	
24.	<b>Thangavelu, Sathiamoorthi,</b> Ranjithkumar Dhandapani, Ajucarmelprecilla Arulprakasam, Ragul Paramasivam, Arunachalam Chinnathambi, Sulaiman Ali Alharbi, Kaliannan Durairaj, and Anupama Shrestha. "Isolation, Identification, Characterization, and Plasmid Profile of Urinary Tract Infectious Escherichia coli from Clinical Samples." <i>Evidence-Based Complementary and Alternative Medicine</i> , March 20. 1-10 2022 (2022).	<b>2.629</b>
25.	Akilandeswari Ramu, Jayaprakash Chinnappan, Palanivel Velmurugan, Rajiv Pathak, Rami Adel Pashameah, Atif Abdulwahab A Oyouni, Osama M Al-Amer, Mohammed I Alasseiri, Abdullah Hamadi, Mansuor A Alanazi, <b>Thangavelu Sathiamoorthi.</b> Interleukin-10 as Covid-19 biomarker targeting KSK and its analogues: Integrated network pharmacology. (2023) PLoS One 18 (3).	<b>3.7</b>

### Resource persons in various capacities

Date : Karaikudi

(Signature)

Place : 05.03.2024

Name: Dr.T.Sathiamoorthi

Designation: Assistant Professor