



Dr.T.SATHIAMOORTHY
Assistant Professor

Contact

Address : Department of Microbiology
Alagappa University
Karaikudi – 630 003
Tamil Nadu, INDIA

Employee Number : 45402

Date of Birth : 30-05-1981

Contact Phone (Mobile) : +91 9790031626
: tsathiamoorthi@gmail.com
: sathiamoorthit@alagappauniversity.ac.in

Academic Qualifications: M.Sc., M.Phil., Ph.D.

Teaching Experience: 06 Years and 1 Months

Research Experience: 15 Year

Areas of Research

Medical Microbiology

Nanotechnology

Drug Discovery

Immunobiochemistry

Environmental Microbiology

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	-	-
	M.Phil.	2	-
Project	PG	22	-
	UG / Others	-	-

Sequence submitted in Gene Bank

1. Natarajaseenivasan, K., **Sathiamoorthi, T.**, Vedhagiri, K. and Selvin, J. 2009. *Ralstonia* sp. BARD10 16S ribosomal RNA gene, partial sequence, 1,535 bp linear DNA, GenBank: GQ403791.1
2. Natarajaseenivasan, K., **Sathiamoorthi, T.**, Vedhagiri, K. and Selvin, J. 2009. *Shigella* sp. BARD11 16S ribosomal RNA gene, partial sequence, 1,555 bp linear DNA, GenBank: GQ403792.1
3. Chellakumar, S., **Sathiamoorthi, T.** and Prabakaran, P. 2018. *Escherichia coli*, 16S ribosomal RNA gene, partial sequence, 774 bp, linear DNA, GenBank: 2112239. 1.
4. Chellakumar, M., **Sathiamoorthi, T.** and Prabakaran, P. 2018. *Klebsiella pneumoniae*, 16S ribosomal RNA gene, partial sequence, 1219 bp, bp linear DNA, GenBank: 2112245. 1.
5. Chellakumar, M., **Sathiamoorthi, T.** and Prabakaran, P. 2018. *Proteus mirabilis*, 16S ribosomal RNA gene, partial sequence, 1180 bp, linear DNA, GenBank: 2112247.1.
6. Aathiba Rani, S., Latha, R., Prabakaran, P., **Sathiamoorthi, T.** and Natarajaseenivasan, K. *Candida tropicalis* isolate TS small subunit ribosomal RNA gene, partial sequence. 888 bp DNA linear, GenBank: MK788229.
7. **Sathiamoorthi, T.** *Escherichia coli* strain TS 16S ribosomal RNA gene, partial sequence. 1478 bp DNA linear. GenBank: MK788230.

8. Priyanka,M., Latha,R., Prasannaraj,T., Prabakaran,P. and **Sathiyamoorthi,T.** *Providencia rustigianii* strain TS 16S ribosomal RNA gene, partial sequence. 1000 bp DNA linear. GenBank: MK788232.
9. *Fusarium sp.* isolate AMBDT2 small subunit ribosomal RNA gene, partial sequence (GenBank: MT742764)
10. *Aspergillus versicolor* isolate AMBDT1 5.8S (GenBank: MT742685.1)
11. *Bacillus sp.* (in: Bacteria) strain AMB8 16S ribosomal RNA gene, partial sequence (GenBank: MT705159)
12. *Providencia stuartii* strain AMB4 16S ribosomal RNA gene, partial sequence (GenBank: MT269318)
13. *Proteus mirabilis* strain AMB1 16S ribosomal RNA gene, partial sequence (GenBank: MT254827)

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
20	10	11	4	5

h-index : 05
i10 index : 03
Total Citations : 90

Distinctive Achievements / Awards

UGC-RGNF

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 4

Events Participated

Conferences / Seminars / Workshops: 18

Membership in

Academic Bodies

1. Member of Board of Studies in B.Sc., Microbiology for affiliated colleges of Alagappa University.

2. Member of Board of Studies in M.Sc., Microbiology for affiliated colleges of Alagappa University
3. Executive Member of ALUFA
4. Member, Question Paper setting, Board of M.Sc., Microbiology, Bharathidasan University.
5. Event Co-Ordinator, ALUTES, 2016

Recent Publications

1. Kumar VG, Latha R, Vedhagiri K, **Sathiamoorthi T**, Jayarani G, Sasikala R, Selvin J, Natarajaseenivasan K. 2009. Phospholipase C, proteinase and hemolytic activities of *Candida spp.* isolated from pulmonary tuberculosis patients. Journal of Medical Mycology, 19: 3-10 ISSN: 1156-5233 (Impact Factor: 0.756).
2. **Sathiamoorthi T**, Dhanapaul S, Vedhagiri K, Natarajaseenivasan K. 2011. Prevalence of multidrug resistant *Salmonella enteric* serotype *typhi* and *paratyphi A* of human cases from the Tiruchirappalli district, India and their associated virulent markers. J Public Health, 19: 517-525. ISSN 1741-3850 (Impact Factor: 2.296).
3. Manivannan, P., Ganesan, P., Naveenkumar, S., Devadoss, D.S., **Sathiamoorthi, T.** and Muralitharan, G. 2011. Molecular modelling of urease accessory interaction proteins of *Helicobacter pylori J99* and predicting an interruption in interaction by *Vigna radiata* defensins. Bioinformatics, 5(10): 410-415. ISSN 0973-2063 (Impact Factor: 0.18)
4. **T. Sathiamoorthi**, J. Joseph Sahayarayan, A.Arivoli. 2016. PREVALENCE OF MULTI DRUG RESISTANCE *CAMPYLOBACTER JEJUNI* FROM RAW CHICKEN MEAT IN ERODE RETAIL SHOP. International Journal of Current Research, 8(9):38612-38614, ISSN: 0975-833X.
5. Tariq AL, Reyaz AL, **Sathiamoorthi T**. 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 (Impact Factor: 0.18).
6. Arivoli Appavu, **Sathiamoorthi Thangavelu**, 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.

7. **T. Sathiamoorthi**, 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.
8. **T. Sathiamoorthi**, 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.
9. Joseph Sahayarayan Jesudass, Karthikeyan Kandasam, **Sathyamoorthi Thangavel** and Arivoli Appavu, Novel Anti-*Streptococcal* Peptide Produced by Mangrove Bacteria *Bacillus subtilis*, *Int.J.Curr.Microbiol.App.Sci* (2018) 7(1): 1374-1378, ISSN: 2319-7706.
10. **T.Sathiamoorthi**, 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.
11. **T. Sathiamoorthi**, 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.
12. Dr. K. Kavitha, Dr. R. Rajesh Kumar, Dr. G. Selvakumar, **Dr. T. Sathiamoorthi**. 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.
13. Poongazhalselvan Devagi, Thirunavukarasu Chitrikha Suresh, Revathi Vedachalam Sandhiya, Mohan Sairandhry, Selvaraj Bharathi, Palanivel Velmurugan, Manikkam Radhakrishnan, **Thangavelu Sathiamoorthi**, 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. (Impact Factor: 1.354).

14. Ramanathan Saikishore, Palanivel Velmurugan, Dhandapani Ranjithkumar, Ragnathan Latha, **Thangavelu Sathiamoorthi**, Ashokbabu Arun, Arumugam Veera Ravi, Subpiramaniyam Sivakumar. The circularRNA-miRNA axis: A Special RNA signature regulatory transcriptome as potential biomarker for oral squamous cell carcinoma. *Molecular Therapy-Nucleic Acids*. Volume 22, 4 December 2020, Pages 352-361. (Impact Factor: 8.886).
15. Karupiah Vijay, George Seghal Kiran, S Divya, Kavitha Thangavel, **Sathiamoorthi Thangavelu**, Ranjithkumar Dhandapani, Joseph Selvin. Fatty Acid Methyl Esters From the Coral-Associated Bacterium *Pseudomonas aeruginosa* Inhibit Virulence and Biofilm Phenotypes in Multidrug Resistant *Staphylococcus aureus*: An in vitro Approach. *Frontiers in Microbiology*, 23 March 2021. (Impact Factor: 4.235)
16. Arun Chandra Manivannan, Vinitha Devaraju, Palanivel Velmurugan, **Thangavelu Sathiamoorthi**, Subpiramaniyam 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, *Biomedicine & Pharmacotherapy*. Volume 142, October 2021, 111974. (Impact Factor: 6.529).
17. Rahuman, H. B. H., Dhandapani, R., Palanivel, V., **Thangavelu, S.**, Paramasivam, R., & Muthupandian, S. (2021). Bioengineered phytomolecules-capped silver nanoparticles using *Carissa carandas* leaf extract to embed on to urinary catheter to combat UTI pathogens. *PloS one*, 16(9), e0256748. (Impact Factor: 3.24)
18. Elangovan, D., Rahman, H. B. H., Dhandapani, R., Palanivel, V., **Thangavelu, S.**, Paramasivam, R., & Muthupandian, S. (2022). Coating of wallpaper with green synthesized silver nanoparticles from *Passiflora foetida* fruit and its illustrated antifungal mechanism. *Process Biochemistry*, 112, 177-182. (Impact factor: 3.754)
19. Arun C. M., Minguel C. B., Vinitha D., Punam S., Horacio P. S., Abdul Kareem M. G., Abdullah F., Atif A.A. O., Saad A. S. A., Othman R. A., Malik A. A., Riyadh H. S. A., Palanivel V., Vinayagam M., **Thangavelu S.**, and Ramaswamy K.(2022). Curcumin-Based Inhibitors of Thrombosis and Cancer Metastasis Promoting Factor CLEC 2 from Traditional Medicinal Species *Curcuma longa*. *Evidence-Based Complementary and Alternative Medicine*, 2022. (Impact factor: 2.629)
20. Jansi Pandi, AjucarmelprecillaA.,Ranjithkumar Dhandapani, Saikishore Ramanathan, **Sathiamoorthi Thangavelu**, Jayaprakash Chinnappan,Vidhya Rajalakshmi V,Saad Alghamdi,Nashwa Talaat Shesha,Srinivasan Prasath(2022). Biomarkers for breast

adenocarcinoma using in-silico approaches, Evidence-Based Complementary and Alternative Medicine, 2022. (Impact factor: 2.629)

Books Chapter:

1. A. Arivoli, **T. Sathiamoorthi** and M. Satheeshkumar. 2017. Treatment of Textile Effluent by Phytoremediation with the Aquatic Plants: *Alternanthera sessilis*. In: Bioremediation and sustainable environmental technologies for cleaner environment, Springer, pp-185-197. ISBN 978-3-319-48439-6.
2. Karthikeyan KirupaSree, Vijay Karuppiah, **Sathiamoorthi Thangavelu**, Kavitha Thangavel. Insights into the Status of Heavy Metal Resistant Rhizobacterial Communities in the Heavy Metal Contaminated Sites. Bioremediation and Green Technologies: Sustainable Approaches to Mitigate Environmental Impacts. Bioremediation and Green Technologies: Sustainable Approaches to Mitigate Environmental Impacts. 2021. 13-33.
3. Pandian Prabakaran, Virumandi Pradeepa, Nagasundaram Rashiya, Sundaram Ravikumar, **Sathiamoorthi Thangavelu**, Gopal Selvakumar. Ecofriendly Approach for Bioethanol Production from Microalgae. Bioremediation and Green Technologies: Sustainable Approaches to Mitigate Environmental Impacts. 2021. 301-3017.
4. A Arivoli, **Sathiamoorthi Thangavelu**, X Agnello J Naveen. Influence of Sugar Mill Effluent on Germination and Growth of Fenugreek (*Trigonella foenumgraecum*) and Mustard (*Brassica nigra*). Bioremediation and Green Technologies: Sustainable Approaches to Mitigate Environmental Impacts. 2021. 271-281.
5. A Arivoli, X Agnello J Naveen, **Sathiamoorthi Thangavelu**. Impact of Sugar Mill Effluent on the Quality of Groundwater in Cuddalore District, Tamil Nadu, India. Bioremediation and Green Technologies: Sustainable Approaches to Mitigate Environmental Impacts. 2021. 41-52.