



Dr. T. KAVITHA
Assistant Professor

Contact

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

Teaching Experience: 15 Years

Research Experience: 7 Years

Additional Responsibilities

1. Coordinator-Women's club Department of Microbiology, Alagappa University, Karaikudi.
2. Deputy Coordinator for Journal club- Department of Microbiology, Alagappa University, Karaikudi.
3. Coordinator - Department IQAC Committee - Department of Microbiology, Alagappa University, Karaikudi.
4. Deputy Coordinator for Academic audit - Department of Microbiology, Alagappa University, Karaikudi.
5. Coordinator - Department student affairs and counseling - Department of Microbiology, Alagappa University, Karaikudi.
6. Associate Editor in - ALU-Micro Fanzine, Departmental Magazine, Department of Microbiology, Alagappa University, Karaikudi.
7. Coordinator- Village placement programme- Department of Microbiology, Alagappa University, Karaikudi.
8. Member - Department Research Committee - Department of Microbiology, Alagappa University, Karaikudi.
9. Member - Department purchase Committee - Department of Microbiology, Alagappa University, Karaikudi.
10. Supervisor of Swachh Bharat Summer Internship Programme for the academic year 2018-2019- Department of Microbiology, Alagappa University, Karaikudi.
11. Coordinator for Swayam and MOOCs courses -Department of Microbiology, Alagappa University, Karaikudi.

12. Internal question paper setting in charge - Department of Microbiology,
Alagappa University, Karaikudi.

13. Department INRF in charge -- Department of Microbiology, Alagappa
University, Karaikudi.

Areas of Research

1. **Agricultural and Environmental Microbiology**
2. **Biocontrol of plant diseases**
3. **Biodegradation**
4. **Antimicrobial activity**
5. **Enzyme Biotechnology**

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	-	2
	M.Phil.	7	
Project	PG	30	-
	UG / Others	-	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
11	9	3	6	2

Cumulative Impact Factor (as per JCR) : xxx
h-index : 2
i10 index : 1
Total Citations : 23

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1					
2					

Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	AURF – Alagappa University Karaikudi	7.3.2017	7.3.2019	Screening for antagonistic substances against Tikka Disease of <i>Arachishypogaea</i> L.	1.0
2	DST/SERB-ECRA	28.9.2017	28.9.2020	Evaluation of Tomato Associated Rhizobacteria for Biocontrol of Wilt Pathogen <i>Fusariumoxysporum</i>	14.29

Consultancy Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1					
2					

Note: Budget must be rounded to two decimal places

Distinctive Achievements / Awards

1. Early Career Research Award

Events organized in leading roles

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

1. International – 2
2. National – 6

Events Participated (optional)

Conferences / Seminars / Workshops: xx

1. Workshop – 7

Training Programs

1. Participated in the Faculty development program on Accreditation Preparedness Engagement held during 18th -23th September, 2016 in Alagappa University, Karaikudi.
2. Participated in the Faculty development (Enrichment) program on Accreditation Quality Enhancement held during 6th -12th January, 2017 in Alagappa University, Karaikudi.
3. Participated in One – Week Short Term Training Programme on Research Publication and Anti- plagiarism, organized by Department of English and Foreign Languages and Centre for Technical and Academic Writing, Alagappa University, Karaikudi.
4. Participated in the 100th orientation Programme from 15.11.2017 to 12.12.2017 conducted at Human Resource Development centre, Bharathidasan University, Trichirappalli.

Memberships

Professional Bodies

1. Life Member: Association of xx of India
2. Life Member: Society of xx, India

Academic Bodies (such as Board of Studies etc.,)

1. Member of Board of Studies in B.Sc., Microbiology for the affiliated colleges of Alagappa University
2. Member of Board of Studies in B.Sc., Microbiology and Clinical Lab Technology for the affiliated colleges of Alagappa University
3. Member of Board of Studies in M.Sc., Microbiology for the affiliated colleges of Alagappa University, Karaikudi.
4. Member of Board of Studies for the Microbiology (UG and PG), Bharathidasan University, Tiruchirappalli-620024.

Others

1. Member - M.Sc Microbiology question paper setting, Bharathidasan University, Trichy.
2. Member - B.Sc Microbiology question paper setting, Periyar University, Salem.
3. Member in Evaluation board, Alagappa University, Karaikudi.
4. Reviewer – Journal of Biological Science, Alagappa University, Karaikudi.

Resource persons in various capacities

Number of Invited / Special Lectures delivered:

1. Remedial coaching given to the student of Bioinformatics, Department of Bioinformatics, Alagappa University, Karaikudi.
2. Acted as resource person and delivered special lecture on “**Microbial Diseases**” in Zoology Association Meeting organized by Department of Zoology, Government Arts College for Women (A), Pudukkottai on 20.02.2018.

Others

1. Sequences submitted in GenBank : 9

Name of the organism submitted	Genbank Accession No.	Ribotyping Method
<i>Galactomycescandidum</i> PAJPh5	MH000322	18S
<i>Saccharomycescrataegensis</i> LMJPh2	MH000321	18S
<i>Pichiakluyveri</i> ORJPh4	MH000320	18S
<i>Meyerozymacaribbica</i> ORJPh4	MH000319	18S
<i>Rhodotorulamucilaginosa</i> GPJPh3	MH000318	18S
<i>Streptomycesclavuligerus</i> KAVIJAY1492R	MH161376	16S
<i>Bacillus cereus</i> strain NK2	KR909310	16S
<i>Bacillus amyloliquefaciens</i> strain CCSP1	KP001322	16S
<i>Meyerozymacaribbica</i> (<i>Candida fermentati</i>)	MH286916	NAD(P) binding domain of enzyme Xylose Reductase gene

Recent Publications

International Journals

1. Arumugam N, Thulasinathan B, Pasubathi R, **Kavitha. T**, Muthuramalingam JB, Arunachalam A. Biogenesis of silvernanoparticles using selected plant leaf extract; characterization and comparative analysis of their antimicrobial activity. *Nanomed J.* 2017; 4(4): 208-217.
2. Nagarajan, A., Soorangkattan, S., **Kavitha. T.**, Thulasinathan, B., Muthuramalingam, J.B. and Alagarsamy, A. (2017) Campus-Wide Floristic Diversity of Medicinal Plants in Indian Institute of Technology-Madras (IIT-M), Chennai. *American Journal of Plant Sciences*, 8, 2995-3012.
3. **Kavitha, T.** and N. Shanmugapriya, (2016), "Screening of Rhizobacteria for PGPR and Antagonistic activities isolated from medicinal plants", *International Journal of Current Research*, Vol. 8, Issue, 09, pp.38841-38846.
4. **Kavitha, T.**, A. Alagusaranya and R. Nelson, (2016), "Antimicrobial Activity of Chloroform Extract of *Aristolochia bracteata* Retz. and analysis of bioactive compounds", *International Journal of Current Microbiology and Applied Sciences*, Vol 5 Issue 3, pp. 559-565.
5. **Kavitha, T.** and R. Nelson, (2014). Effect of Arbuscular Mycorrhizal (AM) fungi on growth and yield of sunflower (*Helianthus annuus* L.). *J. Exp. Bio. Agric. Sci.*, 2(2s): 226-232.
6. **Kavitha, T.**, R. Nelson and S. Josephin Jesi, (2013). Screening of rhizobacteria for plant growth promoting traits and antifungal activity against charcoal rot pathogen *Macrophomina phaseolina*. *Int. J. Pharm. Bio. Sci.*, 4(4): 177-186.
7. **Kavitha T.** and R. Nelson, (2013). Diversity of Arbuscular Mycorrhizal Fungi (AMF) in the Rhizosphere of *Helianthus annuus* L. *American- Eurasian J. Agri and Environ. Sci.*, 13(7): 982-987.
8. **Kavitha T.** and R. Nelson, (2013). Exploiting the biocontrol activity of *Trichoderma* spp against root rot causing phytopathogens. *ARPN. J. Agri and Bio. Sci.*, 8(7): 571-574.
9. **Kavitha T.**, R. Nelson, R. Thenmozhi, E. Priya, (2012). Antimicrobial activity and phytochemical analysis of *Anisomeles malabarica* (L.) R. BR. *J. Microbiol. Biotech. Res.*, 2(1):1-5.
10. Priya, E., Thenmozhi, R., **Kavitha, T.**, Nagasathya, A., 2011. Efficacy of phosphate solubilizing Activity of the Marine Fungi *Aspergillus awamori*. *Indian j. App. Microbiol.*
11. Thenmozhi R., T. Reshma, **T. Kavitha**, K. Madhusudhanan, D. Praveen Kumar, (2011). Studies on VAM colonization on selected medicinal plants. *Arch. App. Sci. Res.*, 3(5): 445-449.

National Journals

1. **Kavitha**T. and R. Nelson and Ramesh Babu, (2012). Using jackfruit (*Artocarpusheterophyllus*) pulp as substrate for cellulase production by *Rhizopusstolonifer*. *Research. J. Scencei and Tech.*, 4(2): 67-69.
2. Kasthuri, P.,Shanthi,V., **Kavitha**, **T.** and Senthil Kumar, R., 2011. Biodegradation of organophosphorusPestisides by *Azospirillum*sp. *RJOBS* 3(2):36-40.
3. **Kavitha**T. and R. Nelson, (2011). Microbial synthesis of Metal Nanoparticles and their Applications (Review article). *RJOBS*. 3(1): 50-57.