



Dr. T. KAVITHA
Assistant Professor

Contact

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

Teaching Experience: 13 Years

Research Experience: 05 Years

Additional Responsibilities

1. Coordinator- Women's club Department of Microbiology, Alagappa University, Karaikudi.
2. Coordinator - Department IQAC Committee - Department of Microbiology, Alagappa University, Karaikudi.

3. Coordinator - Department student affairs and counseling - Department of Microbiology, Alagappa University, Karaikudi.
4. Associate Editor in - ALU-Micro Fanzine, Departmental Magazine, Department of Microbiology, Alagappa University, Karaikudi.
5. Deputy Coordinator- Village placement programe- Department of Microbiology, Alagappa University, Karaikudi.
6. Member - Department Research Committee - Department of Microbiology, Alagappa University, Karaikudi.
7. Member - Department purchase Committee - Department of Microbiology, Alagappa University, Karaikudi.

Areas of Research

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

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	M.Phil.	6	-
	Project	30	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
9	6	3	6	1

h-index : 2
i10 index : 1
Total Citations : 23

Funded Research Projects

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>Arachis hypogaea</i> L.	1.0

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized:

1. International National – 1
2. National - 4

Events Participated

Conferences / Seminars / Workshops:

1. Workshop – 5

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.

Others

1. Member - M.Sc Microbiology question paper setting, Bharathidasan University, Trichy.
2. Member - B.Sc Microbiology question paper setting, Periyar University, Selam

3. 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.

Others

1. KR909310 *Bacillus cereus* strain NK2
2. KP001322 *Bacillus amyloliquefaciens* strain CCSP1

Recent Publications

1. **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.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.
7. **Kavitha,T.** and R. Nelson and Ramesh Babu, (2012). Using jackfruit (*Artocarpus heterophyllus*) pulp as substrate for cellulase production by *Rhizopus stolonifer*. *Research. J. Science and Tech.*, 4(2): 67-69.
8. **Kavitha,T.,** R. Nelson, R.Thenmozhi, E.Priya, (2012). Antimicrobial activity and phytochemical analysis of *Anisomeles malabarica* (L) R.BR. *J.Micobiol. Biotech. Res.*, 2(1):1-5.
9. **Kavitha,T.** and R. Nelson, (2011). Microbial synthesis of Metal Nanoparticles and their Applications (Review article). *RJOBS.* 3(1): 50-57.

- 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.
- 12.** Kasthuri, P., Shanthi,V., **Kavitha. T.** and Senthil Kumar, R., 2011. Biodegradation of organophosphorus Pesticides by *Azospirillum* sp. *RJOBS* 3(2):36-40.