



Dr. V. BALASUBRAMANIAN
Assistant Professor

Contact

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

Teaching Experience: Two Years

Research Experience: Nine Years

Additional Responsibilities

1. Coordinator – VVP Programme Department of Microbiology, Alagappa University, Karaikudi.
2. Coordinator- Student Seminar Club, Department of Microbiology, Alagappa University, Karaikudi.
3. Coordinator – Swachh Bharath, Department of Microbiology, Alagappa University, Karaikudi.
4. Member- Department Research Committee - Department of Microbiology, Alagappa University, Karaikudi.

5. Member- Department Purchase Committee - Department of Microbiology, Alagappa University, Karaikudi.
6. Member – Question Paper Setter, M.Sc., Microbiology, Bharathidasan University, Tiruchirappalli-620 024, Tamil Nadu, India

Areas of Research

- Screening of Novel Antibiotics from marine organisms
- Marine Biofilm and Biofouling Control Strategies
- Microbial Ecology
- Ocean Microbial Metagenomics
- Small Protein – Ligand Interactions
- Heavy Metal Bioremediation

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	-	1
	M.Phil.	-	-
Project	PG	-	-
	UG / Others	-	-

Publications

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

Cumulative Impact Factor (as per JCR) :	7
h-index	: 3
i10 index	: 1
Total Citations	: 27

Funded Research Projects

Completed Projects

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

Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	AURF	2017	2018	"Antifouling potentials of marine biofilm bacteria from Palk Bay"	0.35

Patents

Nil

Distinctive Achievements / Awards

1. "Science Academies' Summer Research Fellowship Programme for Students and Teachers 2017". Indian Academy of Science, Bengaluru, India
2. Recipient of Rajiv Gandhi National Fellowship (RGNF), University Grants Commission, UGC, New Delhi (13.10.2009 to 29.01.2014).
3. Received Best Paper Award for ORAL PRESENTATION in "National Seminar on Coastal Typology" held during March 15-17, 2010 at Department of Marine Science, Bharathidasan University - 620024. Title of the Paper "BIOFOULING ON MARINE ENGINEERING ALLOYS"

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 02

1. Served as Organizing Committee Member - National Level Workshop on Gas Chromatography-2016, held on December 2016, organized by Department of Microbiology, Aligappa University, Karaikudi-630003.

2. Served as Organizing Committee Member - International Conference on Recent Trends in Microbiology, RTM-2016, held on 21,22 December 2016, Organized by Department of Microbiology, Alagappa University, Karaikudi-630003.

Events Participated (optional)

Conferences / Seminars / Workshops: 22

1. International -2
2. National – 20

Other Training Programs

1. Participated in One month multi disciplinary Cruise for “*SWATH BATHYMETRIC SURVEY OF LACADIVE REGION IN THE ARABIAN SEA (SKV-275)*” onboard the National Flagship ORV-SAGAR KANYA from 12th August 2010 to 13th September 2010.

Overseas Exposure / Visits

1. Visited MALAYSIA and presented a paper entitled at the “*International Congress of the Malaysian Society for Microbiology ICMSM-2011, leveraging on Microbial Diversity for a Sustainable Future*” held during 8-11 December, 2011, @ Bayview Beach Resort, Batu Ferringhi, Penang, MALAYSIA.

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

1. Member – Board of Study, B.Sc., (Microbiology and Clinical Lab Technology), Dr. Umayal Ramanathan College for Women, Karaikudi-630 003, Tamil Nadu, India
2. Member – Question Paper Setter, M.Sc., Microbiology, Bharathidasan University, Tiruchirappalli-620 024, TN, India
3. Member- Editorial Board in Journal of “Recent Advances in Microbial Technology and Immunology (RTMI)”

Others

1. Articles published in Newspapers / Magazines : -
2. Products developed : -
3. No. of PhD Thesis evaluated : -
4. No. of PhD Public Viva Voce Examination conducted : -
5. Sequences submitted in GenBank: 6- 16S rRNA gene sequence

GenBank Submission (16S rRNA)

1. Balasubramanian, V., R. Rajaram and K. Mathivanan. *Vibrio alginolyticus* VBM-01 JQ260828, partial CDD, 16s rRNA 1078bp.
2. Balasubramanian, V., R. Rajaram and K. Mathivanan. *Kocuria rosea* VBSKNY-01 KC505190 , partial CDD, 16s rRNA 875 bp.
3. Balasubramanian, V., R. Rajaram and K. Mathivanan. *Enterobacter cloacae* VBS-D JX424421, partial CDS, 16s rRNA 566 bp.
4. Balasubramanian, V., R. Rajaram and K. Mathivanan. *Bacillus badius* VBSCH-01, partial CDS 16s rRNA 993 bp.
5. Balasubramanian, V., R. Rajaram and K. Mathivanan. *Kocuria flava* VBSNAG-01 KF995733 , partial CDS, 16s rRNA 1000 bp.
6. Balasubramanian, V., R. Rajaram and K. Mathivanan. *Pseudomonas stutzeri*- KC148530, partial CDS, 16s rRNA 866 bp.

Publications

1. *Balasubramanian, V**. R Rajaram, S. Palanichamy, G Subramanian, K Mathivanan, A Pugazhendhi (2017) Lanosterol expressed bio-fouling inhibition on Gulf of Mannar coast, India. Journal of Progress in Organic Coatings, In press (Elsevier, IF-2.89, doi.org/10.1016/j.porgcoat.2017.11.009).
2. Mathivanan, K., R. Rajaram, *V. Balasubramanian** and G. Annadurai, (2016), " Removal of Cd(II) and Cu(II) from Aqueous Solutions by *Pseudomonas stutzeri* KMNTT-01 Biomass. Environ. Process, (Springer, DOI 10.1007/s40710-016-0193-8).
3. *Balasubramanian, V**, R. Rajaram and P. Rajesh (2015) Antifouling Potentials of Mangrove *Rhizophora apiculata* against *Vibrio alginolyticus* strain VBM-01. Indian Journal of Geo-Marine Science, 44(10) 1654-1661 (IF-0.5), ISSN: 0379-5136.
4. Mathivanan, K., R. Rajaram and *V., Balasubramanian** (2015) Biosorption of Cd(II) and Cu(II) ions using *Lysinibacillus fusiformis* KMNTT-10: equilibrium and kinetic studies, Desalination and Water Treatment, (Taylor & Francis, doi: 10.1080/19443994.2015.1129508, IF-1.2).
5. Sengol Jenifer, S. *Balasubramanian V**. and R. Rajaram (2014) Chemical Characterization and Bioactivity Evaluation of Bacteriocin from Biofilm Forming Bacteria. African Journal of Microbiology Research, 8(41), 3617-3624, (ISSN: 1996-0808).

6. *Balasubramanian V**, S., Palanichamy, G. Subramanian, and R. Rajaram. (2012) Development of Polyvinyl chloride biofilm for succession of selected marine bacterial populations. *Journal of Environmental Biology*, 33:57–60, (IF-0.5, ISSN: 0254-8704).
7. *Balasubramanian V**, S. Palanichamy, and R. Rajaram (2011) Effects of certain seaweed extracts on the primary biofilm forming bacteria. *Journal of Marine Biological Association of India*, 53(1):104–110.
8. Prabhakaran, S., R. Rajaram, *V. Balasubramanian**, and K. Mathivanan (2012) Antifouling Potentials from Seaweeds, Seagrass and mangroves against primary biofilm forming bacteria. *Asian Pacific Journal of Tropical Biomedicine*, S316–S322, (Elsevier, IF-0.5).
9. Mathivanan K., *V. Balasubramanian** and R. Rajaram (2010) Bacterial Resistance to Mercury Pollution through Genetic Transformation. *World Applied Sciences Journal*, 8 (4): 400–403 (ISSN:1818-4952, IF-0.5).

Book Chapters/Resports etc.,

1. *Balasubramanian, V.*, P. Rajesh, R. Rajaram, V. Rajesh Kannan (2014) A Review on Rhizophora Genus: Therapeutically Important Perspective Phytochemical Constituents. Book Chapter in “Bioactive Phytochemicals: Perspectives for Modern Medicine. Daya Publication, pp, 211-234.
2. Chandra, R., *V. Balasubramanian**, R. Rajaram (2011) Tributyltin (TBT) resistant marine bacteria and evaluation of detoxification. In “Proceedings of the International Congress of the Malaysian Society for Microbiology-ICMSM-2011, Malaysian Society of Microbiology Publisher
3. Rajaram,R., *V. Balasubramanian** (2010) Biofilm Nanotechnology - Antifoulants from marine Bacteria. Proceedings of “National level Brainstorming session on Nanotechnology, Department of Marine Science Publisher