



**Dr. S. LATHA**  
**Teaching Assistant**

### Contact

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### Academic Qualifications

Degree	Institution	Year	Branch	Class
Post-Doctoral Research Fellow (N-PDF)	Anna University, Tiruchirappalli	2017-19	-	-
Ph.D.	Bharathidasan University, Tiruchirappalli	2011-17	Microbiology	Commended
M.Sc.	Bharathidasan University, Tiruchirappalli	2010	Microbiology	1 <sup>st</sup> Class Distinction with D <sup>++</sup> grade
B.Sc.	J.J. College of Arts and Science, Pudukkottai	2008	Microbiology	1 <sup>st</sup> Class Exemplary with S grade

### Teaching Experience

Total Teaching Experience : 0 Years

Position	Institution	Duration
-	-	-

### PDF/ Visiting Professor : Abroad

Position	Institution	Duration
-	-	-

### Research Experience

Total Research Experience : 0 Years

Position	Institution / University	Duration
Research Fellow (DST-INSPIRE)	Bharathidasan University, Tiruchirappalli	2017-19
Post-Doctoral Research Fellow (N-PDF)	Anna University, Tiruchirappalli	2011-17

### Academic and Additional Responsibilities

S.No	Position	University Bodies	Period	
			From	To
-	-	-	-	-

### Areas of Research

- Actinobacteriology
- Animal Probiotics

### Patents Filed: Nil

## Research Supervision/Guidance

**Thesis Evaluated** : Nil

**Vivavoce Examiner** : Nil

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

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
	-		-	04

**Cumulative Impact Factor(as per JCR)** : 36.153

**h-index** : 11

**i10 index** : 13

**Total Citations** : 415

## Funded Research Projects

### Ongoing Projects: Nil

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

### Completed Projects:

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

### Other Fund Received as Research Mentor:

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

### Consultancy Projects:

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

### Others:

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

### Distinctive Achievements / Awards

- ◆ Awarded **INSPIRE Fellowship** by Department of Science and Technology (Assured Opportunity for Research Careers), New Delhi, India to undertake Doctoral research.  
Junior Research Fellow (JRF)-From 01.01.2011 to 21.11.2013  
Senior Research Fellow (SRF)-From 22.11.2013 to 31.12.2015
- Awarded **University Rank in M.Sc., (First) and B.Sc., (Fifth)** by Bharathidasan University, Tamil Nadu, India.
- ◆ Received “**International Symposium on Cyanobacterial Biotechnology Commemorative Medal 2010 (Univ. Dept.)**” from Bharathidasan University, Tiruchirappalli, Tamil Nadu for first rank in M.Sc.
- ◆ Received **Gold medal from J.J. College of Arts and Science, Pudukkottai, Tamil Nadu** for first rank in B.Sc.
- ◆ **School first in HSC and SSLC.**

### Events organized in leading roles

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

Position	Programme	Duration	Institution
-	-	-	-

### Events Participated

Number of Conferences/Seminars/Workshops: 30

### Overseas Exposure/Visits - Nil

## Membership - Nil

### Professional Bodies

### Advisory Board

Year/Period	Name of the BoS/Administrative Committee / Academic Committee	Role
-	-	-

### Academic Bodies in Other Institutes/Universities

Year/Period	Name of the BoS/Administrative Committee / Academic Committee	Role
-	-	-

## Ph.D. Thesis Guided

- No. of PhD Thesis evaluated : Nil
- No. of PhD Public Viva Voce Examination conducted : Nil

S. No	Name of the Scholar	Title of the Thesis	Year of Completion
-	-	-	-

## List of Research Articles / Recent Publications

S. No.	Authors/Title of the paper/Journal	Impact Factor
1.	<b>Latha. S</b> and Dhanasekaran. D. 2021. Community Structures of Fecal Actinobacteria in Animal Gastrointestinal System. In: Dhanasekaran. D, Paul. D, Amaresan. N, Sankaranarayanan. A, Shouche. Y. S (Eds.), Microbiome-	-

	Host Interactions, CRC Press, Taylor & Francis Group, Boca Raton, FL, USA, ISBN No.: 9781003037521, pp 221-228.	
2.	Dhanasekaran. D, <b>Latha. S</b> , Suganya. P, Panneerselvam. A, Senthil Kumar. T, Alharbi. N.S, Arunachalam. C, Alharbi. S.A, Thajuddin. N. 2020. Taxonomic identification and bioactive compounds characterization of <i>Psilocybe cubensis</i> DPT1 to probe its antibacterial and mosquito larvicidal competency. Microbial Pathogenesis, 143: 104138.	<b>3.8</b>
3.	Dinesh Kumar. S, Kang Sojin, Santhanam. P, Dhanalakshmi. B, <b>Latha. S</b> and Mi-Kyung Kim. 2020. Reciprocal response of nitrogen for enhancing growth and proximate compositions of marine microalga <i>Tetraselmis</i> sp. under low saline conditions. Indian Journal of Geo-Marine Sciences, 49 (2): 326-332.	<b>0.553</b>
4.	Vinothini. G, <b>Latha. S</b> , Arulmozhi. M, Dhanasekaran. D. 2019. Statistical optimization, physio-chemical and bio-functional attributes of a novel exopolysaccharide from probiotic <i>Streptomyces griseorubens</i> GD5. International Journal of Biological Macromolecules, 134: 575-587.	<b>8.2</b>
5.	<b>Latha. S</b> , Hemamalini. A, Dinesh Kumar. S, Arulmozhi. M, Dhanasekaran. D. 2019. Ethnic probiotic foods of South India and their health benefits. In: Sankaranarayanan. A, Amaesan. N, Dhanasekaran. D. (Eds.), Fermented Food Products, CRC Press, Taylor & Francis Group, Boca Raton, FL, USA, ISBN No.: 9780367224226- CAT# K421586, pp 77-92.	-
6.	Dhanasekaran. D, Chandraleka. S, Sivaranjani. G, <b>Latha. S</b> . 2019. Microbial organic compounds generating taste and odor in water. In: Gothandam. K. M, Ranjan. S, Dasgupta. N, Lichtfouse. E. (Eds.), Nanoscience and Biotechnology for Environmental Applications. Environmental Chemistry for a Sustainable World, Springer, Cham, ISBN No.: 978-3-319-97922-9, Vol 22, pp 225-248.	-
7.	Dinesh Kumar. S, Kang Sojin, Santhanam. P, Dhanalakshmi. B, <b>Latha. S</b> , Min S. Park, Mi-Kyung Kim. 2018. Triggering of fatty acids on <i>Tetraselmis</i> sp. by ethyl methane sulfonate mutagenic treatment. Bioresource Technology Reports, 2: 21-28.	-
8.	Dinesh Kumar. S, Kwang-Min Ro, Santhanam. P, Dhanalakshmi. B, <b>Latha. S</b> , Mi-Kyung Kim. 2018. Initial population density plays a vital role to enhance biodiesel productivity of <i>Tetraselmis</i> sp. under reciprocal nitrogen concentration. Bioresource Technology Reports, 3: 15-21.	-
9.	Vinothini. G, Kavitha. R, <b>Latha. S</b> , Arulmozhi. M, Dhanasekaran. D. 2018. Cell aggregating temperament and biopotency of cultivable indigenous	<b>2.9</b>

	actinobacterial community profile in chicken ( <i>Gallus gallus domesticus</i> ) gut system. Arabian Journal for Science and Engineering, 43(7): 3429-3442.	
10.	<b>Latha. S</b> , Sivaranjani. G, Dhanasekaran, D. 2017. Response surface methodology: A non-conventional statistical tool to maximize the throughput of <i>Streptomyces</i> species biomass and their bioactive metabolites. Critical Reviews in Microbiology, 43(5): 567–582.	<b>6.5</b>
11.	Muthu Selvam. R, Vinothini. G, Palliyarai Thaiyammal. S, <b>Latha. S</b> , Chinnathambi. A, Dhanasekaran. D, Padmanabhan. P, Ali Alharbi. S and Archunan. D. 2016. The cell aggregating propensity of probiotic actinobacterial isolates: isolation and characterization of the aggregation inducing peptide pheromone. Biofouling, 32(1): 71-80.	<b>2.7</b>
12.	<b>Latha. S</b> , Vinothini. G, John Dickson Calvin. D and Dhanasekaran. D. 2016. <i>In vitro</i> probiotic profile based selection of indigenous actinobacterial probiont <i>Streptomyces</i> sp. JD9 for enhanced broiler production. Journal of Bioscience and Bioengineering, 121(1): 124-131.	<b>2.8</b>
13.	<b>Latha. S</b> and Dhanasekaran. D. 2015. Bacteriocin: A natural alternative to synthetic antibacterial antibiotics. In: Dhanasekaran. D, Thajuddin.N, and Panneerselvam. A (Eds.), Antimicrobials: Synthetic and Natural Compounds, CRC Press, Taylor & Francis Group, Boca Raton, FL, USA, ISBN No.: 9781498715621-CAT# K25354, pp 155-174.	-
14.	<b>Latha. S</b> , Vinothini. G and Dhanasekaran. D. 2015. Chromium [Cr(VI)] biosorption property of the newly isolated actinobacterial probiont <i>Streptomyces werraensis</i> LD22. 3 Biotech, 5(4): 423-432.	<b>2.8</b>
15.	Dhanasekaran. D, Vinothini. K, <b>Latha. S</b> , Thajuddin. N and Panneerselvam. A. 2014. Human dental biofilm: Screening, characterization, <i>in vitro</i> biofilm formation and antifungal resistance of <i>Candida</i> spp. The Saudi Journal for Dental Research, 5(1): 55-70.	-
16.	Dhanasekaran. D, <b>Latha. S</b> , Jayabharathi. C, Saha. S, Thajuddin. N, Panneerselvam. A and Saravanamuthu. R. 2013. Effect of mutagens on <i>Pleurotuseous</i> APK1 for biomass improvement. Scientific Transactions in Environment and Technovation, 7(2): 89-95.	-
17.	<b>Latha. S</b> and Dhanasekaran. D. 2013. Antibacterial and extracellular enzyme activities of gut actinobacteria isolated from <i>Gallus gallus domesticus</i> and <i>Capra hircus</i> . Journal of Chemical and Pharmaceutical Research, 5(11): 379-385.	-



18.	Saha. S, Dhanasekaran. D, Shanmugapriya. S and <b>Latha. S</b> .2013. <i>Nocardiopsis</i> sp. SD5: A potent feather degrading rare actinobacterium isolated from feather waste in Tamil Nadu, India. Journal of Basic Microbiology, 53: 608-616.	<b>3.1</b>
19.	Dhanasekaran. D, <b>Latha. S</b> , Saha. S, Thajuddin. N and Panneerselvam. A. 2013. Extracellular biosynthesis, characterization and <i>in-vitro</i> antibacterial potential of silver nanoparticles using <i>Agaricus bisporus</i> . Journal of Experimental Nanoscience, 8(4): 579-588.	<b>2.8</b>
20.	Saha. S, Dhanasekaran. D, Shanmugapriya. S and <b>Latha. S</b> .2012. Investigation of keratinolytic activity by thermo-alkalophilic <i>Nocardiopsis</i> sp. SD6 isolated from feather waste soil. Journal of Academia, 2: 27-37.	-
21.	Dhanasekaran. D, <b>Latha. S</b> , Saha. S, Thajuddin. N and Panneerselvam. A. 2011. Biosynthesis and antimicrobial potential of metal nanoparticles. International Journal of Green Nanotechnology, 3(1): 72–82.	-

### Resource persons in various capacities

National Conferences : Nil

International Conferences : Nil

Invited Lectures : Nil

**Date** : 04.03.2024

(Signature)

**Place** : Karaikudi

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