



**Dr. P. BHARATHA RATHNA**

**Adjunct Faculty**

**Contact**

Address : Department of Biomedical Science  
Contact Phone (Mobile) : +91 7339569736  
Contact E-mail ID : bharatharathna20@gmail.com

**Academic Qualifications**

<b>Degree</b>	<b>Institution</b>	<b>Year</b>	<b>Branch</b>	<b>Class</b>
Ph.D.,	Bharathidasan University	2021	Marine Science	--
M.Phil.,	Bharathidasan University	2015	Marine Science	First
M.Sc.,	Bharathidasan University	2014	Marine Science	First
B.Sc.,	Alagappa University	2012	Biochemistry	First

### Teaching Experience

Total Teaching Experience: 7 months+

Position	Institution	Duration
Adjunct Faculty	Department of Biomedical Science, Science Campus, Alagappa University, Karaikudi	28 <sup>th</sup> August 2023 – Till Date

### Research Experience

Total Research Experience: 6 years

### Academic and Additional Responsibilities

S.No.	Position – Dept. of Biomedical Science (Dept Level)	University Bodies	Period	
			From	To
1	Coordinator	Cultural Programme, Alagappa University, Karaikudi	September 2023	Till Date
2	Coordinator	Village Extensive Programme, Alagappa University, Karaikudi	September 2023	Till Date
3	Coordinator	Value Added Course, Alagappa University, Karaikudi	September 2023	Till Date
4	Coordinator	Parents Teachers Meeting Association, Alagappa University, Karaikudi	September 2023	Till Date
5	Coordinator	Alumni Meet, Alagappa University, Karaikudi	September 2023	Till Date

## Areas of Research

- Ocean Acidification Research in Marine plankton
- Biochemistry of Marine Macro algae
- Development of Pellet feed by using seaweed and seagrass
- Antimicrobial activity and antioxidant activity of marine micro & macro algae
- Phytochemical research in seaweeds and seagrasses

## Research Supervision / Guidance

Program of Study		Completed	Ongoing
Project	PG	3	-
	M. Phil	1	-

## Publications

International	National	Book Chapters
1	3	1

Cumulative Impact Factor (as per JCR) : 2.67

h- index : 1

Total Citations : 2

## Events organized in leading roles

Position	Programme	Duration	Institution
Organizing Committee Member	International Symposium on Advances in Laboratory Techniques for Biomedical Applications, Department of Biomedical Science	January 2024	Alagappa University
Organizing Committee Member	National Seminar on Cancer Prevention and Management on the occasion of World Cancer Day - 2024, Department of Biomedical Science	February 2024	Alagappa University

## Events Participated

Number of Conferences/Seminars/ Workshops: 15

## Research Publications

S.No	Authors/ Titile of the paper/Journal	Impact Factor
1	Mahalingam Jeyakumar, Kulanthaivel Langeswaran, Saranya Arumugam, <b>Bharatha Rathna</b> , Durai Deepika. Phytocrystallization Of Silver Nanoparticles Using Cassia Alata For Effective Control of Fungal Skin Pathogens. <i>Journal of Population Therapeutics and Clinical Pharmacology</i> , 30(18), 1550–1567.	0.3
2	<b>P. Bharatha Rathna</b> , P. Santhanam, S. Jeyanthi, T. Thangaradjou and T. Muralisankar. 2020. "Effects of Replacing Fishmeal with Seagrass <i>Cymodocea Serrulata</i> Meal on The Growth And Biochemical Composition of White Legged Shrimp <i>Penaeus Vannamei</i> ". <i>International Journal of Biology, Pharmacy and Allied Sciences</i> . 9(1), pp. 1-11.	2.37
3	<b>P. Bharatharathna</b> and P. Santhanam., 2019 Analysis of Phytochemical, Biochemical, Pigments and Antioxidant Activity of Seagrass <i>Syringodium Isoetifolium</i> . <i>Journal of Advanced Scientific Research</i>	-
4	<b>P. Bharatha Rathna</b> and Santhanam, P., 2019. A Study on the Impact of Acidification on the Morphometry, Photosynthesis, and Biochemical Composition of Phytoplankton. (Eds: P. Santhanam, A. Begum, P. Perumal) In <i>Basic and Applied Phytoplankton Biology</i> (pp. 239–249). Springer, Singapore.	-
5	<b>Bharatharathna, P.</b> , Impact of acidification on biology of marine phytoplankton and zooplankton. In M. Anand (ED). <i>Proceeding of the National Workshop On Ocean Acidification Research (NWOAR 2015)</i> .	-