

## Profile



Name : Dr. V. BHARATHI  
Department : Microbiology  
Designation : Assistant Professor  
Qualification : M.Sc., M.Phil., Ph.D  
Phone : 8056855640, 7904934240  
Experience : Teaching: 5.8Yrs and Research: 4 Yrs  
Area of Specialization(s) : Genetics, Virology, Agricultural Microbiology, Marine Microbiology and Medical Microbiology  
Email (Official ID) : [drvbarathi@viasrtt.ac.in](mailto:drvbarathi@viasrtt.ac.in)

S. No.	ID	Link
1	Orcid	<a href="https://orcid.org/my-orcid?orcid=0000-0002-4183-6862">https://orcid.org/my-orcid?orcid=0000-0002-4183-6862</a>
2	GoogleScholar	<a href="https://scholar.google.com/citations?hl=en&amp;user=T_iwJz8AAAAJ">https://scholar.google.com/citations?hl=en&amp;user=T_iwJz8AAAAJ</a>
3	ResearchID	<a href="https://www.researchgate.net/profile/Venkatachalam-Bharathi">https://www.researchgate.net/profile/Venkatachalam-Bharathi</a>

## AcademicQualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D.	Microbiology (Full Time)	Suganthi Devadason Marine ResearchInstitute, Tuticorin / MS University, Tirunelveli, Tamil Nadu.	2015
M.Phil.	Microbiology (Full Time)	Vivekanandha college of Arts & Sciences for Women, Elayampalayam. / PeriyarUniversity-Salem, Tamil Nadu, India.	2009
PG	Applied Microbiology	Vivekanandha college of Arts & Sciences for Women, Elayampalayam. / Periyar University-Salem, Tamil Nadu, India.	2008

UG	Microbiology	K.S.Rangasamy College of Arts and Science, Tiruchengode. /University of Madras-Chennai, Tamil Nadu, India.	1999
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## Projects

### Completed

ProjectTitle	Agency	Amount	Duration
Student Project (Dhivya Dharshini S, Priyanka K C., Haripriya R)	Tamil Nadu State Council for Science and Technology, Chennai	Rs. 7,500	2023-24

## ResearchPublications(Indexed)

1. **Bharathi V**, Jamila Patterson and Rajendiran R, Optimization of extraction of Phenolic Compounds from *Avicennia marina* (Forssk.) Vierh using Response Surface Methodology, **International Journal of Biological and Medical Sciences**, **2011**, 1(1):46-50.
2. **Bharathi V**, Jamila Patterson and Rajendiran R, Antagonistic activity of marine *Bacillus* species from marine sediment of Punnaikayal estuary of Tuticorin against *Aspergillus niger*, **International Journal of Current Research and Review**, **2012**,4(16):39-46.
3. Aswathi Elizabeth Mani, **Bharathi V** and Jamila Patterson, Antibacterial activity and Preliminary Phytochemical analysis of Sea Grass *Cymodocea rotundata*, **International Journal of Microbiological Research**, **2012**, 3 (2): 99-103.
4. Chelladurai G and **Bharathi V**. Medical Values of Some Insects. **Green Rep.**, 2022, **3**(8), 35-39.
5. Sarika Baburajan Pillai, Selvaraj Jagannathan, Akshay Jeyachandran, Naseera Kannanthodi Pariyapurath, Rahul Gandhi Pachamuthu, **Venkatachalam Bharathi**, Sumitha Jagadibabu, Shivanandappa Kukkaler Channappa, Ananda Arona Premkumar, Moorthy Kannaiyan and Sivakumar Sakthivel, Monkeypox and Monkey Fever: Basic Understanding for Better Community

- Participation in Disease Control, **Biotechnology Journal International**, 2022, 26 (5): 1-12.
6. Sowmiya S, Jasmine R, Sherlin Rosita A, **Bharathi V** and Keerthiga M, In-silico Analysis of Phytocompounds Identified by GC-MS from *Moringa oleifera* Leaves of Kolli Hills at Namakkal Against Colorectal Cancer, **International Journal of Life science and Pharma Research**, 2023, 13.3.L38-L50
  7. **V. Bharathi**, P. Jamila, Sureshkumar B.T, Srinivasan P and Rajalakshmi M, In Silico Analysis of RPO B Protein with Actinomycin D Compound Isolated from *Streptomyces parvulus* SDMRI 3-Novel Strain Identified from Punnakayal Mangrove, **Journal of Data Acquisition and Processing**, 2023, 38 (3): 3811-3825.
  8. Srinivasan P, Rajalakshmi M, Hariharan R, **Bharathi V**, *Fusarium sp.* isolated from agro waste modulates the phytohormones and enhances growth of *Brassica juncea*, *Advances in Bioresearch*, 2023, 14 (3): 166-175.
  9. S. Violet Beulah, M. Rajalakshmi, P. Srinivasan, M. Greeshma, V. Abirami, U. Sivabarathi, R. Ragunathan, Jesteena Johny, **V. Bharathi**, In Vitro Antioxidant and Anticancer Effect of *Ganoderma Lucidum* from Wood, *Advances in Bioresearch*, 2023, 14 (5): 158-167.
  10. **V. Bharathi**, Jamila Patterson, B.T. Sureshkumar and S. Sowmiya Extraction of Flavouring Compound from Actinomycetes, *Bulletin of Environment, Pharmacology and Life Sciences*, 2023, 12 (11): 152-162.
  11. Abirami Madhaiyan, V. Muthumani, E. Angel Jemima, K. Rubika, **V. Bharathi**, N. Parameswari, V. Kowsalya Devi, K. Ramesh & P. Poongothai, Molecular Identification of *Leptospira interrogans* and Its Treatment with *Andrographis paniculata* Extract, *Molecular Genetics, Microbiology and Virology*, 2024, 38, 277–286.

### Detail of Patents

S. No	PatentTitle	Name of Applicant(s)	PatentNo.	Award Date	Agency/Country	Status
1.	PLANT MICROBES DETECTION DEVICE	1.Ms.S. Renuka 2.Dr. V. Bharathi 3.Mr.S. Deepan 4.Dr.J. Ronald	377681-001	15/03/2023	Indian Patent	Published

### Books/Reports/Chapters/Generalarticlesetc.

S. No	Title	Author'sName	Publisher	Year of Publication
1.	Human Papillomavirus an Overview	V. Bharathi, B. T. Sureshkumar and P. Sivasubramanian	LAP LAMBERT Academic Publishing AG & Co. KG Dudweiler Landstr. 99, 66123 Saarbrücken, Germany.	2015
2.	Introduction To Microbiology	Dr. M.Rajalakshmi, Dr.V.Bharathi and Dr.Nisy.S	Saliha Publications	May 2024
3.	Genetics and Evolution of Infectious Diseases	Dr. P. Srinivasan Dr. V. Bharathi Dr. K. Manimekalai Dr. M. Kulandhaivel	Saliha Publications ISBN: 978-93-94198-74-6	October 2024

### Awards/Others

1. Received Bharath Shiksha Rathna Awards 2021 - **“Best Young Faculty Award”** in **Microbiology** on Teacher’s Day celebration 2021.
2. Received **Inspirational Super Women - “Best Women Professor”** on 27<sup>th</sup> November 2021 given by ESN Publications.
3. Received **“Appreciation Award”** by VOICE of Indian Concern for the Environment on 26<sup>th</sup> January 2022.
4. Received **Nobel Laureate Dr.C.V.Raman National Science Day Award 2023** on 26<sup>th</sup> February 2023 Virtually organized by Art of Giving Charitable Trust, India in Association of Inspire Institute of Technology and Management-IITM (Associated to AIITE, New Delhi, India, Regd with MSME, Govt. of India)

## Presentations in Conference

- **V. Bharathi**. 2021. *Prevalence of human papilloma virus over the study populations in Tirupur District*. Research Paper presented and abstract published in the International Conference by Biotechnology Society of Nepal on “Biotechnological Revolution in Environmental, Agricultural Technologies and Healthcare”, Pp: 95.
- **V. Bharathi**, Jamila Patterson, B.T. Sureshkumar, Selvaraj Jagannathan. 2023. *Enumeration and isolation of marine microbes from rhizosphere and non-rhizosphere from Avicennia marina*. Research Paper presented and abstract published in the “International Conference on Contemporary Research for the Sustainable Development of Biological Sciences” Organized by Departments of Biological Sciences, Vivekanandha College of Arts and Sciences for Women (Autonomous) Tiruchengode, Namakkal, Tamilnadu, India in association with Department of Animal Science, MS University, Tirunelveli, Tamilnadu, India, Microbiologists Society India and Indian Association of Applied Microbiology.
- B. Anushya, **Dr.V.Bharathi**, Dr.B.T.Sureshkumar, Dr. S.Jagannathan and Dr.S.Vijayakumar. 2023. *Synthesis, Characterization Of CATHRANHUS ROSEUS Nanoparticles*. Research Paper presented and abstract published in the National Conference on “ Marine Conservation And Commercialization of Marine –Based Products For Bio-Sustainability” (MCCMBS-2023) Organized by Departments of Microbiology, Vivekanandha College of Arts and Sciences for Women, Veerachipalayam, Sankari, Salem, Tamilnadu, India in association with Tuticorin Hindustan Bioplant Pvt Ltd, Tuticorin, Siddharth Foundation, Coimbatore, Royal Hatcheries, Chennai, Shrimp Care Solutions, Puducherry, Microbiologists Society India and Indian Association of Applied Microbiology, Guru Aqua Solutions, Cuddalore, Aqua World, Chennai.
- M.S.Priyadarshini, **Dr.V.Bharathi**, Dr.B.T.Sureshkumar, Dr. S.Jagannathan and Dr.S.Vijayakumar. 2023. *Isolation, Production Of Inulinase And It's Application*. Research Paper presented and abstract published in the National Conference on “ Marine Conservation And Commercialization of Marine –Based Products For Bio-Sustainability” (MCCMBS-2023) Organized by Departments of Microbiology, Vivekanandha College of Arts and Sciences for Women, Veerachipalayam, Sankari, Salem, Tamilnadu, India in association with Tuticorin Hindustan Bioplant Pvt Ltd, Tuticorin, Siddharth Foundation, Coimbatore, Royal Hatcheries, Chennai, Shrimp Care Solutions, Puducherry, Microbiologists Society India and Indian Association of Applied Microbiology, Guru Aqua Solutions, Cuddalore, Aqua World, Chennai.
- P.Nandhini, **Dr.V.Bharathi**, Dr.B.T.Sureshkumar, Dr. S.Jagannathan and Dr.S.Vijayakumar. 2023. *Isolation Of Microorganisms From Eggshells In Probiotic Application*. Research

Paper presented and abstract published in the National Conference on “ Marine Conservation And Commercialization of Marine –Based Products For Bio-Sustainability” (MCCMBS-2023) Organized by Departments of Microbiology, Vivekanandha College of Arts and Sciences for Women, Veerachipalayam, Sankari, Salem, Tamilnadu, India in association with Tuticorin Hindustan Bioplant Pvt Ltd, Tuticorin, Siddharth Foundation, Coimbatore, Royal Hatcheries, Chennai, Shrimp Care Solutions, Puducherry, Microbiologists Society India and Indian Association of Applied Microbiology, Guru Aqua Solutions, Cuddalore, Aqua World, Chennai.

### Participation in Seminars

1. Attended One Day Training Cum Orientation Programme conducted by Department of English and Foreign Languages, and Department of Linguistics, Bharathiar University, Coimbatore in association with TANSICHE on 30.9.2020.
2. Participated in the Three-Day International Conference by Biotechnology Society of Nepal on “Biotechnological Revolution in Environmental, Agricultural Technologies and Healthcare” on 12.02.2021- 14.02.2021.
3. Attended One Day Webinar on “Metagenome Sequencing” by Department of Microbiology, Faculty of Agriculture, Annamalai University on 12.03 2021.
4. Two Day Online National Seminar on “Emerging Trends in Microbiological Research - 2021” by Department of Microbiology, Ayya Nadar Janaki Ammal College, Sivakasi on 18.03 2021 & 19.03.2021.
5. Participated in Three Day International Webinar on “Harmonize Your Life Amidst Covid-19” by ADHRIT Consultancy Services and TheInniversal talks under Cesco on 29.05.2021- 31.05.2021.
6. State Level Webinar on “Rights to Education” by Tamilnadu Teachers Education University, Chennai on 26.05.2021.
7. One Day Virtual Conference on “Sustainable Environment in Conjunction with World Environment day 2021” by Department of Biotechnology, Faculty of Applied Sciences, AMIST University, Malaysia on 05.06.2021.
8. Attended State Level Webinar on “Sexual Harassment of Women at Work place – Prevention Prohibition, Redressal” by Learning Research Center & IQAC of Government Arts College, Trichy, on 19.06.2021.
9. Participated and received **Appreciation certificate** for participated and completed successfully **AI for Delightful Teaching Experience**, organized by AICTE IDEA LAB Vivekanandha

College of Engineering for Women (Autonomous), Tiruchengodu, Namakkal District, Tamilnadu on 15.06.2023 & 16.06.2023.

### **Participation in Workshop**

1. One Day Virtual Workshop on “Intellectual Property Rights” by Department of Biotechnology and Institution’s Innovation Council (IIC), Vel Tech High Tech Dr. Sakunthala Engineering College., on 17.03 2021.
2. Participated one day Workshop on “Data Analysis Using SPSS in Research” organized by Department of Commerce, Vivekanandha Arts And Science College For Women, Sankari, Salem(D.t) on 25<sup>th</sup> September 2023.

### **Participation in Faculty Development Programme**

1. Two Day “National Level Faculty Development Programme for Educational Leaders” by Department of Commerce in Association with IQAC, Madurai Gandhi NMR Subbaraman College for Women on 11.06.2021 and 12.06.2021.
2. Attended Six Day Faculty Development Programme (Virtual) on “Mental Health Care during Covid -19” by PG and Research Department of Social work and Department of Psychology, Shree Sarawathi Thyagaraja College, Pollachi on 14.06.2021 to 19.06.2021.
3. Attended One Week Faculty Development Programme (Virtual) on “Adoptive Approaches For Modern Teaching and Research” by SNMV College of Arts and Science Institute of Management, Coimbatore on 15.11.2021 to 23.11.2021.
4. Participated one day Faculty Development Programme (Virtual) on “A Walk Through on Intellectual Property Rights” by Department of Chemistry SF and IQAC , Erode Arts & Science (Autonomous) Erode on 30. 11.2021
5. Participated one day Faculty Development Programme on “Emerging Trends in E-Learning” by Universal Group of Institutions- IQAC on 29. 01. 2022.
6. Participated one day Faculty Development Programme on “Role of Faculty Members and Institution to Achieve Better ranking Under NAAC” by IQAC, Shree Venkateshwara Arts and Science (Co-Education) College, Gobichettipalayam on 15.02.2022.
7. Participated one day Faculty Development Programme on “Blooms Taxonomy in Teaching and Learning” by SanSnow’s Nobel Professional Foundation (Approved by MSME and Ministry of Corporate Affairs, Government of India) on 16.02.2023.

8. Participated one day Faculty Development Programme on “G20-Y20 Talk- Future of Work, Innovation & 21<sup>st</sup> Century Skills” organized by Spacebasic in association with Rathinam college of Arts and Science, Coimbatore, Tamilnadu on 10.08.2023.
9. Completed Four Weeks International Online FDP on “Microbiology Laboratory Techniques” (Phase-I)” organized by Department of Microbiology, Sacres Heart College (Autonomous), Tirupattur, TamilNadu in association with Biotechnology Society of Nepal (BSN) and Laboratory of Chemical and Biological Analysis (LAQB). Western Rio Janeiro State University (UEZO), Rio De Janeiro, Brazil from 4<sup>th</sup> September 2023 to 3<sup>rd</sup> October 2023, completed with **Distinction**.
10. Completed Two Weeks Faculty Training Programme on Advanced Gene Cloning and Proteon Expression / Purification organized by School of Biotechnology, Amirta Vishwa Vidyapeetham, during 11<sup>th</sup> March to 27<sup>th</sup> March, 2024 as part of the DBT Skill Vigyan Programme, Kerala under Kerala Biotechnology Commission, Kerala State Council for Science Technology and Environment, Govt. of Kerala supported by Department of Biotechnology, Govt. of India.
11. Completed One Week Faculty Development Programme on Medical Coding at Periyar University, Salem, Supported by Government of Tamilnadu, Tamilnadu Skill Development Corporation, Naan Mudhalvan Programme.
12. Completed Five Days Faculty Development Programme on Embracing Local Ecological Management and Environmental Norms through the Teachings of Sustainability via Pancha Bhoota and Indian Knowledge Systems (ELEMENTS-2024) Organised by Department of Microbiology, Rathinam College of Arts and Science, Coimbatore under DBT STAR College Scheme from 17.10.2024 to 23.20.2024.

### Conference/ Seminar/Workshop Organized

- **Workshop**

1. State Level Two Day Workshop on “Throw and Grow for Green World” on 22<sup>nd</sup> December 2021 & 23<sup>rd</sup> December 2021 at Shree Venkateshwara Arts & Science (Co-Education) College, Gobichettipalayam.

- **Seminar**

1. State Level Webinar on “Why We Are Here” on 08<sup>th</sup> October 2020 at Shree Venkateshwara Arts & Science (Co-Education) College, Gobichettipalayam.
2. State Level Webinar on “Measures of Location & Dispersion” on 10<sup>th</sup> November 2020 at Shree Venkateshwara Arts & Science (Co-Education) College, Gobichettipalayam.
3. State Level Webinar on Covid -19 Mutant 2<sup>nd</sup> Wave on 14<sup>th</sup> May 2021 at Shree Venkateshwara Arts & Science (Co-Education) College, Gobichettipalayam.
4. State Level Webinar on “Impact of Climate Change on the Marine Environment and Its Bio-Diversity” on 05<sup>th</sup> June 2021 at Shree Venkateshwara Arts & Science (Co-Education) College, Gobichettipalayam.
5. State Level Webinar on “Darwin & Evolution” on 12<sup>th</sup> February 2022 at Shree Venkateshwara Arts & Science (Co-Education) College, Gobichettipalayam.
6. One Day International Seminar on “Environment, Emerging Infectious Diseases and Prevention” on 9<sup>th</sup> March 2022 at Shree Venkateshwara Arts & Science (Co-Education) College, Gobichettipalayam.
7. State Level Webinar on “Chromatographic Techniques” on World Brain Tumor Day 08<sup>th</sup> June 2022 at Shree Venkateshwara Arts & Science (Co-Education) College, Gobichettipalayam.

- **Conferences**

1. VOICE- Virtual 3<sup>rd</sup> International conference on Environmental, Agricultural, Chemical and Biological Sciences (ICEACBS2022) in Support of United Nations – SDGS on 22<sup>nd</sup> January, 23<sup>rd</sup> January, 26<sup>th</sup> January 2022.
2. National conference on “Marine Conservation And Commercialization of Marine-Based Products For Bio-Sustainability” (MCCMBS-2023) Organised by Department of Microbiology, Vivekanandha Arts And Science College For Women, Sankari,Salem(D.t) on 23<sup>rd</sup> & 24<sup>th</sup> February 2023.

### **Invited Speaker/Session Chair-Conference/Seminar/Workshop**

- Invited **Judge** for PPT and POSTER Presentations in “**World Congress on Environment, Climate, Food, Agriculture and Health (WCECFAH2022)**, June 04-05, 2022(Virtual) organized by Centre for Promotion of UN Sustainable Development Goals India, Singapore,

Oman, Voice of Indian Concern for the Environment (VOICE), India, and ACE International Pte Ltd, Singapore.

- Invited **Judge** for PPT and E-POSTER Presentations in “**Indo-Singapore International Conference on Sciences, Agriculture, Engineering and Management (ISICSAEM-2022)**”, August 13 and 14, 2022 organized by Voice of Indian Concern for the Environment (VOICE), India and Rathinam college of Arts and Science, Coimbatore.
- Invited **Chairperson** for PPT and POSTER Presentations in **4<sup>th</sup> International Conference on Environmental, Agricultural, Chemical and Biological Sciences (ICEACBS2023)**, May 14, 2023(Virtual) in Support of United Nations-SDGS organized by Voice of Indian Concern for the Environment (VOICE), India, Department of Biotechnology, Srimad Andavan Arts and Science College, Trichy, Tamilnadu, Somnogen Canada Inc., Toronto, Canada and All India Institute of Training and Education (AIITE), New Delhi, India.
- Invited as a **Resource person** in the National Seminar on “**Emerging Trends and Opportunities in Microbiological Researches**”, March 10, 2023 organized by PG & Research Department of Botany, V.O.Chidambaram College, Thoothukudi.
- Invited as a **Resource person** in the “**INTERNATIONAL CONFERENCE ON RECENT TRENDS IN TRANSLATIONAL RESEARCH**”, March 29, 30 & 31, 2023 organized by PG & Research Department of Industrial Biotechnology, Bharath Institute of Higher Education and Research (BIHER), Chennai.

### NCBI Sequence Submission

5. A BLAST search of the Gen Bank database showed that the **new isolate SDMRI-3 strain** has been assigned GenBank (EMBL) under accession number **KF818457**.  
[Streptomyces parvulus strain SDMRI 3 16S ribosomal RNA gene, partial s - Nucleotide - NCBI](#)
6. **Bacillus piscis strain KG 16S ribosomal RNA gene, Partial sequence** has been assigned in GenBank (National Library of Medicine) under accession number **PP748179.1**  
[Bacillus piscis strain KG 16S ribosomal RNA gene, partial sequence - Nucleotide - NCBI](#)

### Others