




STAFF PROFILE

**Department of
Biochemistry**

Name	Dr.R .SHUNMUGA VADIVU		
Designation	Assistant Professor		
Date of Birth	07.01.1978		
Address			
Ph.D.	College	Maruthupandiyar College. Thanjavur	
	University	Bharathidasan University	
	Year of passing	2022	
M.Phil	College		
	University	Bharathidasan University	
	Year of Passing	2006	
Professional Developments	Name of the post held	Period	Department & Institution
	LECTURER	2001	Department of Biochemistry, Muthayammal College of Arts and Science.Nammakal

	Guest lecturer	2007 to 2008	Department of Environmental Biotechnology. Bharathidasan University
	Assistant Professor	2008 to 2023	Department of Biochemistry, Bhaktavatsalam College of Arts and Science .Chennai
	Assistant Professor	2023 to till date	Department of Biochemistry, SRM Dental College. Ramapuram .Chennai

PAPER PUBLISHED

1. **R. Shunmuga vadivu** and S. Velavan. Antioxidant role of *caralluma indica* stem extract in isoproterenol induced oxidative stress in albino rats.Uttar Pradesh Journal of Zoology. 197-208, 2023 ISSN 0256-971X(P)
2. S. Velavan and **R. Shunmuga vadivu**. Acute and subacute toxicity of ethanolic extract of *Caralluma indica* stem on hematological biochemical and histology of the liver in rats World journal of Science and research 5(2);01.11.2020 ISSN 2455 2208
3. **R. Shunmuga vadivu** and S. Velavan. Phytochemical characterization of *Caralluma indica* stem using GC MS technique Journal of Advanced Scientific Research ,11(2)213-216, 2020
4. **R. Shunmuga vadivu** and S. Velavan Phytochemical characterization of Screening of Phytochemicals and Evaluation of In vitro Hypolipidemic Activity of *Caralluma indica*. Journal Of Interdisciplinary and Multidisciplinary Research. 2020;13(1): ISSN: 1945-3019
5. S. Velavan and. **R. Shunmuga vadivu** Biosynthesis Of Silver Nanoparticles Using Bivalvia Shell Extract And Evaluation Of Its Larvicidal Activity. World Journal of Science and Research. 5 (2): 12-16 (2020): ISSN: 2455 2208
6. **R. Shunmuga vadivu** and S.Velavan Phytochemical screening, reactive oxygen and nitrogen species scavenging activities of *Caralluma indica* stem extract. Journal of Pharmacognosy and Phytochemistry.2018;7(6):636-641 ISSN: 2349-8234.
7. **R. Shunmuga vadivu** and R. Rajitha. Observation of Genetic Variation among *Psidium guajava* L. varieties using RAPD Technology.World Journal of Science and Research; ISSN- 2455 2208.
8. **R. Shunmuga vadivu** and S. Velavan. Protective effect of *Vitis vinifera* skin on isoproterenol induced myocardial infarction in rats. World Journal of Science and Research 1(3):64-68. ISSN- 2355 2208

Papers/ Posters/ Guest lecturers presented

- Advantages of Metal oxide Nanoparticles against oral fungal pathogen biofilms using molecular Docking in Silico Assessment. **Poster presentation** at Sri Balaji Vidyapeeth Deemed to be University.Pondicherry.Nov 21 2023
- . Presented a paper entitled on” biological activity of marine algae... “in a 3rd international conference on advance in biotechnology algae towards sustainable environment -2024 (ICAB-ASE’24) at Dwaraka Doss Goverdhan Vaishnav College Chennai in association with **Tamilnadu State Council for Science and Technology** on January 22 and 23 2024
- . Presented a paper entitled on “Molecular Target on insect control of alkaloids...BioinformaticsTechniques “in Two days international conference on neoperspectives in biochemical, chemical and microbial techniques on 20 th &21 st February 2024 organized by Annaiviolet Arts and Science college, Chennai
 - **Poster presentation** on Larvicidal Activity of Ziziphus Oenophilia (L) fruit extract and in silico inhibition of Quercetin against Mosquito Juvenile Hormone. International conference on recent technology for sustainable development of insects, microbes and health held on 9th and 10th March 2023 at Loyola College,and got Best paper presentation Award Chennai.
 - **Presented a paper** titled on”Evaluation of Invitro antioxidant activity in natural colorant added stirred yogurt from turmeric “held on 16th and 17th December 2022 at Bharath Institute of Higher Education and Research in the NATIONAL CONFERENCE on Recent Advancement in Biomedical engineering
 - **Poster presentation** titled on Effect of *Caralluma indica* stem extract on liver marker in isoproterenol induced myocardial infarcted rats. **INTERNATIONAL conference** on synergy of sciences held on 27th and 28th FEB 2020 at SASTRA UNIVERSITY THANJAVUR.
 - Ecoz- Symposium- **participated as a PANEL MEMBER** organized by – Biolim Centre for Science and Technology.

Achievements and Awards

Best paper presentation award, 2023 from international conference at Loyola College, Chennai.

Best Teacher Award, 2020

Research Excellence Award, 2020 from Institute of Scholars, Bangalore.

Membership

PROFESSOR MEMBER

INSTITUTE OF SCHOLARS

ID: INSc 20202576

REVIEWER – INTERNATIONAL JOURNAL OF BASIC AND APPLIED SCIENCES

Books published

Text book of Molecular Biology

ISBN -978-9-384008-12-3

Harman publications

1. Participated in the **webinar** entitled “Nanoparticle in drug delivery system” held on 5 th march 2024 conducted by Aditiya College of Pharmacy.Surapalayam
2. Participated in a **National workshop** on research methodology during 12-19 December 2023 organised by department of physics by SRM institute of Science and Technology, Chennai
3. Participated in a **National Symposium** 2020 on Industrial aspects Of Biochemistry conducted by Soka Ikeda College of Arts and Science for Women, Chennai.
4. Participated in the **Workshop** on “Sequence analysis and Molecular docking”, 2020, conducted by Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

5. Participated in the **Virtual webinar** on “Emerging Technologies on Coral reef conservation” conducted by the Department of Biotechnology 2020 ,Dwaraka Doss Goverdhan Doss Vaishnav college
6. Participated in the **Virtual webinar** on “National webinar on understanding signs and symptoms of covid -19 infection –NWUSSUI conducted by the Department of Biochemistry Dec 2020, Dwaraka Doss Goverdhan Doss Vaishnav college
7. Participated in the **webinar** on “Medicinal plants –The Therapeutic Source for Human Diseases and Disorders” conducted by the Department of Biochemistry 2020 , Ethiraj college for women
8. Participated in a one-day **hands on training** on Natural intergrated code farm visit and awareness programme, 2019, conducted by Training and research institute Chennai, Chennai.

9. Participated in a **National seminar** on Recent Trends in Life Sciences, 2019 conducted by Bhaktavatsalam Memorial College for Women, Chennai.
10. Participated in a **National conference** on Recent Trends and Development in Health and Chemical Sciences, 2018 conducted by Bhaktavatsalam Memorial College for Women, Chennai
11. Participated and presented a paper on Protective effect of *Vitis vinifera* skin on isoproterenol induced myocardial infarction in rats in an **international conference ICETCST-2013** conducted by Bhaktavatsalam Memorial College for Women, Chennai.
12. Participated in **Workshop** on Research Methodology and Statistical tools, 2013 conducted by Bhaktavatsalam Memorial College for Women, Chennai.
13. Participated in the **Workshop** on "Chromatographic techniques, 2013, conducted by University of Madras, Chennai.
14. Participated in an **International Workshop** on "Molecular Microbial Pathology" in IWMMP 2008, conducted by Bharathidasan University, Tiruchirapalli.

TRAINING PROGRAMME ATTENDED

BIOCHEMIST

MEENAKSHI MISSION HOSPITAL & RESEARCH CENTRE, MADURAI

DIPLOMA IN OFFICE ADMINISTRATION

PEAK INFOTECH, THANJAVUR

ADVANCED DIPLOMA IN JAVA PROGRAMMING. CSC COMPUTE EDUCATION. IN THE YEAR OF 2000 AT TRICHY

Completed course in JAVA and SELENIUM at Green Technology .Chennai in the year of 2023

Faculty Development Programmes

1. **FDP** on “Emerging Paradigms in Biomedical Healthcare Applications” organized by the department of biomedical engineering .Sathyabama institute of science and technology in association with Biomedical engineering Society of India during 18 th -23 rd December 2023.
2. **FDP on National perlodontics day 2024** at Sathyabama university on 23rd February 2024
3. Participated in a **Faculty Refresher Programme 22nd** December 2023 on technology-based teaching and learning organized by the department of research and publications, Chennai
4. Attended the three days” **National Level Faculty Development programme** on Digital Tools for e-Teaching” organized by the Department of Chemistry Kongu Engineering College
5. Participated in a **Faculty Development Programme** on Pedagogy and Personal Effectiveness, 2019, conducted by Bhaktavatsalam Memorial College for Women, Chennai.

