




# Bharathiar University

State University | "A++" Grade by NAAC | 46<sup>th</sup> Rank in MoE-NIRF  
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

<b>Dr V RAMASUBRAMANIAN</b> Professor Department of Zoology Bharathiar University  Tamil Nadu <b>E-mail:</b> vramans68@buc.edu.in <b>Phone:</b> 9843056645 <b>Office Number:</b> 0422-2428494	
<b>Research Area</b> <ul style="list-style-type: none"><li>• Fish Immunology, Larval Nutrition</li><li>• Fish Diseases Reproductive biology</li><li>• Marine Biotechnology</li><li>• Culture of live feed organisms</li><li>• Ornamental fish culture</li></ul>	<b>Courses Teaching</b> <ul style="list-style-type: none"><li>• Immunology</li><li>• Animal Physiology</li><li>• Aquaculture and Fisheries</li><li>• Fisheries technology</li></ul>
<b>Research Experience:</b> 35	<b>Teaching Experience:</b> 25
<b>Research Credentials</b> (as on September 2025 – Source: Google scholar) H-index: 698                      Citations: 16                      i10-index: 27	
<b>Publications</b> International Journals: 8                      National Journals: 1                      Books/Chapters: 3	
<b>Career</b> <b>Other Institutes</b> <b>1. Designation : Lecturer</b> Institution Name : Department of Zoology Thiruvalluvar University, Vellore Period : November 2002 - June 2005 <b>2. Designation : Lecturer</b> Institution Name : Department of Zoology, P.G Extension Centre, University of Madras, Vellore Period : November 2000 - October 2002 <b>At Bharathiar University</b> <b>1. Designation : Professor</b> Period : June 2018 - Till Date <b>2. Designation : Associate Professor</b> Period : June 2015 - June 2018 <b>3. Designation : Assistant Professor</b> Period : June 2005 - June 2015	
<b>Education</b> <b>Ph. D.</b> Subject : Zoology Institution : University of Madras Affiliated University : University of Madras Year of Award : March 1998 <b>M. Phil.</b> Subject : Zoology Institution : University of Madras Affiliated University : University of Madras Year of Award : November 1993	



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Dr V RAMASUBRAMANIAN , Professor , Department of Zoology

## M. Sc.

Subject : Zoology

Institution : A.V.V.M. Sri Pushpam College

Affiliated University : Bharathidasan University

Year of Award : April 1990

## B. Sc.

Subject : Zoology

Institution : Raja Serfoji Govt. College

Affiliated University : Bharathidasan University

Year of Award : April 1988

## Projects

## Research Guidance

### National Level

### Institutional Responsibilities

Ongoing - 1 completed -

### Additional controller of Examinations

Period : Apr 2017 - Oct 2018

Nature of Responsibility : Conduct of U.G.P.G B.Ed, Diploma examinations

## Collaborations

1. ICAR - National Bureau Of Fish Genetic Resources (NBFGR) Lucknow - )

## Visits

1. Attended International Conference on Aquaculture America, Las vegas, U.S.A. ( 2012-02-28 - 2012-03-03 )

## Selected Publications

1. **In-vitro evaluation of cell free supernatant from *Aerococcus viridans* isolated from *Oreochromis niloticus*:**

### Probiotic, antimicrobial, antioxidant, and anticancer activities

Notulae ScientiaBiologicae (July 2025)

Sreelakshmi, K and Venkatachalam Ramasubramanian

2. **Probiotic efficacy, antioxidant, antimicrobial and anticancer activities of cell free supernatant derived from**

### *Weissella confusa* isolated from *Oreochromis niloticus* – An in vitro study

The Microbe (March 2025)

1 Sreelakshmi, K., Kadirvelu, K., & Ramasubramanian, V.

3. **Biosynthesis and characterization of silver nanoparticles using polysaccharides from *Caulerpa racemosa* and**

### evaluation of their antioxidant, antibacterial, and anticancer activities

Next Nanotechnology (December 2024)

Cholaraj Ragunath, Karthik Madeshwaran, Darthiqueen Paulraj, Selvakumar Murugesan, Ramasubramanian Venkatachalam

4. **Green synthesis of bimetallic ZnO–CuO nanoparticles using *Annona muricata* L. extract: Investigation of**

### antimicrobial, antioxidant, and anticancer

Journal of Industrial and Engineering Chemistry (September 2024)

Madeshwaran Karthik, Venkatachalam Ramasubramanian



**5. Investigation of antioxidant and anticancer potential of fucoidan (In-vitro & In-silico) from brown seaweed**

**Padina boergeseni**

Algal Research (September 2024)  
C Rangunath, V Ramasubramanian

**6. Effect of dietary seaweed *Caulerpa racemosa* on growth, biochemical, non-specific immunity, and disease resistance to *Pseudomonas aeruginosa* in *Cirrhinus mrigala*.**

The Journal of Basic and Applied Zoology (February 2024)  
Rangunath, C., Ramasubramanian V

**7. Green synthesis of zinc oxide nanoparticles using *Annona muricata* leaf extract and its antioxidant and antibacterial activity**

Inorganic Chemistry Communications (October 2023)  
Madeshwaran Karthik, Cholaraj Rangunath, Pavithara Krishnasamy, Darthi Queen Paulraj, Venkatachalam Ramasubramanian

**8. The effect of polysaccharide from *Padina boergeseni* on *Aeromonas hydrophila* resistance and growth, biochemical, digestive enzymes, non-specific immune response in *Oreochromis niloticus***

Bioactive Carbohydrates and Dietary Fibre (January 2023)  
Rangunath Cholaraj, Ramasubramanian Venkatachalam

**1. Vitellogenin: As a Hormone.**

Springer Singapore (July 2023)  
Ramasubramanian. V Priyadarisini, V.B

**2. Aquatic Lectins: Biological Recognition and Molecules**

Springer Singapore (May 2022)  
Ramasubramanian. V Priyadarisini, V.B