




Bharathiar University

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

Dr P SARAVANABHAVAN Professor and Head Department of Zoology Bharathiar University Tamil Nadu E-mail: bhavan@buc.edu.in Phone: 9842498138 Office Number: 0422-2428495	
Research Area <ul style="list-style-type: none">• Crustacean aquaculture• DNA barcoding• Natural products	Courses Teaching <ul style="list-style-type: none">• Molecular Cell Biology• Molecular Genetics• Crustacean Biology
Research Experience:	Teaching Experience:
Research Credentials (as on September 2025 – Source: Google scholar) H-index: 34 Citations: 3779 i10-index: 88	
Publications International Journals: 18	
Career Other Institutes <ol style="list-style-type: none">1. Designation : Lecturer Institution Name : Govt. Collegiate Service Period : August 2004 - August 20052. Designation : Lecturer Institution Name : Govt. Collegiate Service Period : August 2000 - August 2004 At Bharathiar University <ol style="list-style-type: none">1. Designation : Lecturer Period : September 2005 - August 20092. Designation : Professor and Head Period : July 2023 - Till Date3. Designation : Professor Period : August 2015 - June 20234. Designation : Associate Professor Period : August 2012 - August 20155. Designation : Reader Period : August 2009 - August 2012	
Projects National Level Ongoing - completed - 1	Research Guidance Completed Ph.D. - 2 PG - 1



Visits

1. Paper presentation in Intl. Conf. on Multidisciplinary Biology, Natl. Taiwan Ocean Univ., Keelung, Taiwan (2015-06-17 - 2015-06-14)

Selected Publications

1. **Correction to: Effect of prawn fed with *Catharanthus roseus* ethanolic extract incorporated diet in the protein profile approaches in gene expressions related and immune characteristics in giant freshwater prawn (*Macrobrachium rosenbergii*)**

Aquaculture International Volume 32, pages 8287–8327 (December 2024)

Velusamy Arulvendhan, Periyakali Saravana Bhavan, Michael Antony Anista, Velusamy Thirunavukkarasu, Velusamy Gayathri, Thirunavukkarasu Muralisankar, Madhayan Karthik, Puthamohan Vinayaga Moorthi

2. **Water Quality Evaluation, Reservoir Management, and Zooplankton Monitoring in the Dharmapuri District, Tamil Nadu, India**

Springer Nature Switzerland pp 195–223 (July 2024)

Velusamy Arulvendhan, Periyakali Saravana Bhavan, Michael Antony Anista, Velusamy Thirunavukkarasu, Velusamy Gayathri, Thirunavukkarasu Muralisankar, Madhayan Karthik, Puthamohan Vinayaga Moorthi

3. **Effect of dietary supplementation of vitamin C-loaded chitosan nanoparticles on growth, immune-physiological parameters, and resistance of white shrimp *Litopenaeus vannamei* to *Vibrio harveyi* challenge**

Animal feed science and technology, volume 305, pages 115764 (November 2023)

Annamalai Asaikkutti, Karuppaiya Vimala, Natwar Jha, Periyakali Saravana Bhavan, Venkatesan Arul

4. **Influence of Garlic (*Allium sativum*) Clove-Based Selenium Nanoparticles on Status of Nutritional, Biochemical, Enzymological, and Gene Expressions in the Freshwater Prawn *Macrobrachium rosenbergii* (De Man, 1879)**

Biological Trace Element Research, volume 201, issue 4, pages 2036-2057 (April 2023)

Thangavelu Satgurunathan, Periyakali Saravana Bhavan, Ramasamy Kalpana, Thanasekaran Jayakumar, Joen-Rong Sheu, Manubolu Manjunath

5. **Impact of seasonal changes in freshwater phytoplankton and zooplankton biodiversity at Valankulam lake, Coimbatore district, Tamil Nadu, India**

Repository of Ia?i University of Life Sciences, ROMANIA (February 2023)

Mohan, Bala; Priyadarshinee, Sheela; Kalpana, Ramaswamy; Bhavan, Periyakali Saravana; Manickam, Narasimman; Santhanam, Perumal; Prabha, Duraiswamy

6. **Activation of Nrf2 by Esculetin mitigates inflammatory responses through suppression of NF-?B signaling Cascade in RAW 264.7 cells**

Molecules, volume 27, issue 16, pages 5143 (August 2022)

Thanasekaran Jayakumar, Chun-Jen Huang, Ting-Lin Yen, Chih-Wei Hsia, Joen-Rong Sheu, Periyakali Saravana Bhavan, Wei-Chieh Huang, Cheng-Ying Hsieh, Chih-Hsuan Hsia

7. **Corrigendum to "Auraptene, a Monoterpene Coumarin, Inhibits LTA-Induced Inflammatory Mediators via Modulating NF-?B/MAPKs Signaling Pathways"**

Evidence-based Complementary and Alternative Medicine: eCAM, volume 2022, pages 9805697 (February 2022)

Chih-Hsuan Hsia, Thanasekaran Jayakumar, Wan-Jung Lu, Joen-Rong Sheu, Chih-Wei Hsia, Periyakali Saravana Bhavan, Manjunath Manubolu, Wei-Chieh Huang, Yi Chang



8. Decreased human platelet activation and mouse pulmonary thrombosis by rutaecarpine and comparison of the relative effectiveness with BAY11-7082: crucial signals of p38-NF- κ B

Molecules, volume 27, issue 2, pages 476 (January 2022)

Wei-Chieh Huang, Shaw-Min Hou, Ming-Ping Wu, Chih-Wei Hsia, Thanasekaran Jayakumar, Chih-Hsuan Hsia, Periyakali Saravana Bhavan, Chi-Li Chung, Joen-Rong Sheu

9. Anti-inflammatory mechanisms of novel synthetic ruthenium compounds

Applied Sciences, Volume 11, Issue 21, Pages 10092 (October 2021)

Thanasekaran Jayakumar, Joen-Rong Sheu, Chih-Wei Hsia, Periyakali Saravana Bhavan, Chao-Chien Chang

10. Rutaecarpine, an Alkaloid from *Evodia rutaecarpa*, Can Prevent Platelet Activation in Humans and Reduce Microvascular Thrombosis in Mice: Crucial Role of the PI3K/Akt/GSK3 β Signal Axis through a Cyclic Nucleotides/VASP—Independent Mechanism

International journal of molecular sciences, Volume 22, Issue 20 ,Pages 11109 (October 2021)

Chun-Jen Huang, Wei-Chieh Huang, Wei-Ting Lin, Lan-Hsin Shu, Joen-Rong Sheu, Oanh-Thi Tran, Chih-Wei Hsia, Thanasekaran Jayakumar, Periyakali Saravana Bhavan, Cheng-Ying Hsieh, Chao-Chien Chang