

Dr. V. PRAVEENA, M.Sc., M. Phil., Ph.D.

15/25 Nadana Gopala Nayaki St,
MMW Colony, Thirungar,
Madurai -625006



Phone: +91 8778346195

E-mail: praveenav92@gmail.com

ACADEMIC PROFILE

Qualification	Institution	Year	Percentage
Ph. D. Zoology	Government College for Women (A), Bharathidasan University	2021	Commended
M.Phil. Zoology	Government Arts College (A), Bharathidasan University	2014-2015	88
M.Sc. Zoology	Government Arts College (A), Bharathidasan University	2012-2014	78
B.Sc. Zoology	Government College for Women (A), Bharathidasan University	2009-2012	73
HSC	Arignar Anna Govt. Higher Secondary School, Kumbakonam	2009	60
SSLC	Arignar Anna Govt. Higher Secondary School, Kumbakonam	2007	74

AREA OF INTEREST

- Biodiversity & Taxonomy
- Identification of Freshwater Zooplankton
- Molecular Biology
- Bio informatics
- Aquaculture
- Fish immunology&
- Physicochemical Characteristics of Freshwater

TECHNICAL PROFICIENCY

- **Molecular Biology & Protein Techniques:** ELISA, Protein isolation, Blotting techniques, SDS page.
- **Chromatography and Immunological Techniques**

- **Instruments Handled:** Gel Documentation, UV Spectrophotometer, Stereo Microscope, Inverted Microscope, Centrifuge, Auto analyser, Micro plate reader, and water analyser.

SOFTWARE HANDLED

- **Statistical Tools:** SPSS, Minitab, Sigma Plot.
- **Bioinformatics Tools:**
 - FASTA – DNA and Protein sequence alignment software package.
 - BLAST – Comparing primary biological sequence information of Protein and Nucleotides of DNA/RNA sequence.
 - CLUSTAL W2 - Multiple alignment of DNA and Protein sequences.
 - SOPMA – Package for Secondary structure predictions of proteins.
 - KEGG – Databases of genomes, biological pathways, drugs and chemical substances.
 - Hex 6.12 – Protein docking software.
 - PHYRE2 – Tool for predicting the structure and function of protein sequence.

PROJECT UNDERGONE

- Structural analysis of Horma Domain-Containing Protein 1 (HORMAD1): An Ovarian cancer antigen. (**M.Sc., Final year project**).
- Analysis of Three Prime Repair Exonuclease 1 Protein and it's binding Efficiency with Herbal and Allopathic Antibiotics (**M. Phil., Final year Project**).

PH.D. THESIS ENTITLED

- EFFECT OF COW URINE DISTILLATE ON THE GROWTH, SURVIVAL AND IMMUNE SYSTEM OF *MESOCYCLOPS LEUCKARTI*

LIST OF PUBLICATIONS

- 1) **V. Praveena**, Sournamanickam Venkatalakshmi, Naiyf S. Alharbib, Marimuthu Govindarajan, 2020. Identification of a novel antibacterial protein from hemolymph of freshwater Zooplankton *Mesocyclops leuckarti* *Saudi Journal of Biological Sciences*, Vol .8 (4): 1-8(**Impact Factor: 4.219**).
- 2) **V. Praveena, R. Vinitha** and S. Venkatalakshmi, 2018. “Haematological variables of *Oreochromis mossambicus* against *Aeromonas hydrophila* infection by using different breeds of Cow urine distillate (CUD)” *Indian Journal of Geo Marine Sciences (IJMS)* Vol. 48(12) pp. 1849-1854 (**IF: 0.56**).
- 3) **V. Praveena** and S. Venkatalakshmi, 2019. First record of isolation of hemolymph and identification of hemocytes in a Cyclopoid Copepod. *Research and Review Journal of Life Sciences*. Vol. 9(3):1-4 (**UGC Indexed**).

- 4) **V. Praveena**, Subhhasri Varadharajan, Priya Muthukirushnan, Venkatalakshmi Sournamanikam, 2020. Efficacy of Cow Urine Distillate to enhance the Freshwater Copepod population density. *International Journal of Scientific & Technology Research*. Vol. 9(3): 1738-1742. **(UGC Indexed)**.
- 5) R. Murugan, **V. Praveena** and G. Ananthan, 2022. Functional characterization, antimicrobial and antioxidant properties from the biomass extraction of ascidian *Phallusia nigra*. *Biomass Conversion and Biorefinery*. Doi:10.1007/s13399-022-03306-2 **(Impact Factor:4.05) (UGC Indexed)**.
- 6) R. Murugan, G. Ananthan, K. Balachandar, RS. Sathishkumar and **V. Praveena**, 2023. Seasonal distribution of solitary and colonial benthic ascidians (Chordata) with ecological gradients in an around Andaman and Nicobar Islands, India. *Marine Ecology*.

NCBI GEN BANK SUBMISSIONS

Accession. No.

ON897770- *Diaphanosoma excisum*

MN886516- *Mesocyclops leukarti*

OQ146901- *Mesocyclops pehpeiensis*

MN886517- *Sinodiaptomus sarsi*

MN886518- *Sinodiaptomus sarsi*

SEMINARS & WORKSHOP

- ✓ Participated in National conference on aquatic animal health and management held on 14-15th September, 2012 at CAS in Marine Biology, Annamalai University, Parangipettai.
- ✓ Participated in Workshop on PAGE and SDS-PAGE electrophoretic techniques (WET) held on 29th April, 2012 at PG & Research Department of Zoology, Government College for Women (A), Kumbakonam.
- ✓ Participated in workshop on Honey Bee Keeping held on 17-19th December, 2014 at PG and Research Department of Zoology, Kunthavai Naacchiyaar Government Arts College for Women (A), Thanjavur.
- ✓ Participated in State level seminar on “Live Zoology” held on 10th February, 2016 at Department of Zoology, Government College for Women (A), Kumbakonam.
- ✓ Participated in Training Programme on “Microalgae Culture for Large Scale production” held on 4th March, 2016 at CAS in Marine Biology, Annamalai University, Parangipettai.
- ✓ Participated in National Level Workshop on Data Analysis and Interpretation using SPSS and AMOS held on 29th September – 1st October, 2016 at Department of Youth Welfare Studies School of Youth Empowerment, Kamaraj University, Madurai.
- ✓ Participated in National Level Workshop on Wealth from Wastes Edible Mushroom Cultivation and Bio Fertilizer Production held on 14th October, 2016 at Idhaya College for Women, Kumbakonam.

- ✓ Participated in Training Programme on Identification of Marine Plankton held on 20-21st October, 2016 at CAS in Marine Biology, Annamalai University, Parangipettai.
- ✓ Participated in National Seminar on Molecular Modelling in Biology held on 26th October, 2016 at Mass College of Arts & Science, Kumbakonam.
- ✓ Participated and Presented in National Conference on Biodiversity, Biology and Biotechnology of Algae (NCBBBA) held on 9-10th January, 2017 at Centre for Advanced Studies in Botany, University of Madras.
- ✓ Participated in National Workshop on Climatic Change Impact on the Marine Environment (CCIME) held on 2-3rd February, 2017 at Department of Marine Science, Bharathidasan University.
- ✓ Participated and Presented in International Conference on Current Challenges in Conservation of Biodiversity (InCCB) held on 16-18th February, 2017 at PG and Research Department of Zoology and Wildlife Biology, A.V.C College (A), Mayiladuthurai.
- ✓ Participated and Presented in International Conference on Aquatic Animal Health and Parasitic Diseases (ICAAP), held on 6-7th March, 2017 at Department of Zoology, Government College for Women (A), Kumabakonam.
- ✓ Participated in State Level Workshop on Micro techniques held on 9-10th March, 2017 at Government College for Women (A), Kumbakonam.
- ✓ Participated in State Level Workshop on Molecular Characterization of Biota held on 21st March, 2017 at Government Arts College (A), Kumbakonam.
- ✓ Participated and Presented in International Conference on Biotechnology and Its Applications in Aquaculture and Fisheries held on 23-25th August, 2017 at CAS in Marine Biology, Annamalai University, Parangipettai.
- ✓ Participated in Hands-on Training Programme on “Taxonomic Identification of Coastal and Oceanic Copepods (TICOC)” held on 12-14th July, 2017 at Department of Marine Science, Bharathidasan University, Tiruchirappalli.
- ✓ Participated in National Workshop on Recent Trends in Bio-Virtual Labs held on 24th January, 2018 at Department of Zoology, Government College for Women (A), Kumabakonam.
- ✓ Participated in National Workshop on Computational Biology and Its Application held on 8-9th February, 2018 at Department of Zoology, Government College for Women (A), Kumabakonam.
- ✓ Participated in Regional Seminar on IPR Challenge IPR and Patents: Prospects and Challenges held on 30th July, 2019 at PG and Research Department of Zoology, Lady Doak College, Madurai.

COMPUTER QUALIFICATION

Diploma in Computer Application (DCA)

REFEREES

1. **Dr. S. Venkatalakshmi, Ph. D.**
Head & Associate Professor
Department of Zoology
Government College for Women (A)
Kumbakonam-612 001
Thanjavur District
Tamil Nadu, India.
Mobile No: +91 9442647313
E-mail: dr.s.venkatalakshmi@gcwk.ac.in

2. **Dr. P. Santhanam, Ph. D.**
Associate Professor
Marine Planktonology & Aquaculture Laboratory
Department of Marine Science
School of Marine Sciences
Bharathidasan University
Tamil Nadu, India.
Mobile No: + 91 9894223482
E-mail: santhanamcopepod@gmail.com

3. **Dr. K. Ganesh, Ph.D.**
Assistant Director
MPEDA
Nellore
Andhra Pradesh, India.
Mobile No: + 91 9486303406
E-mail: ganeshkollam@gmail.com

PERSONAL PROFILE

Spouse Name : Renganathan T.S
Date of Birth : 18.03.1992
Nationality : Indian
Religion : Hindu
Languages Known: English, Tamil & Hindi

DECLARATION

I assure that the above information is true to the best of my knowledge.

Date: 09.10.2023
Place: Chennai

(V. PRAVEENA)