PROFILE

1. Name : Dr. RANI.V

2. Designation : Associate Professor
   Department of Aquatic Environment Management,
   Fisheries College and Research Institute,
   Tamilnadu Dr.J.Jayalalithaa Fisheries University
   Thoothukudi-628 008
   Tamilnadu

3. Contact

   Telephone (O) : 0461-2340554

   Email : rani@tnfu.ac.in

4. Qualification : MFSc., Ph.D (Fisheries Resource Management)

5. Field of Specialization : **Marine micro and macroalgae**

6. Major : Aquatic Environment Management

7. Experience (in years) : 16 years (Teaching, Research and extension)

8. Teaching

   Courses handled : UG :4

   MFSC :4

   Ph.D :3

9. a. Number of Students guided as Chairman : 3 (PG)
   b. Served as Member : 6
   c. Serving as member as of now : 8

10. a. Guiding as Chairman : 1(Ph.D)
    b. Serving as member : 6 (Ph.D)

11. Ongoing Projects : 1 (**As PI)**

    a. Duration of the project : 3 years
       (27.11.2019 to 26.11.2022)

S. No	Title of the project	Funding Agency	Budget (inRs.)
1.	Production of Eicosapentaenoic acid (EPA) from marine diatom *Phaeodactylum tricornutum* isolated from the coastal waters of Gulf of mannar"	DST – SERB, Govt. of India, New Delhi	Rs.41,85,661/-

12. Research publications (From 2015 onwards) :

1. Nagarajan Manimozhi, **V. Rani,** C. Sudhan, D. Manimekalai, R. Shalini, KrishnaMoorthy Abarna. Spatiotemporal occurrence, distribution, and characterization of microplastics in salt pans of the coastal region of the Gulf of Mannar, southeast coast of India, **Regional studies in marine Science**, 53 (2022) 102350, DOI No: https://doi.org/10.1016/j.rsma.2022.102350 (ELSEVIER publication)
2. Picko Sanggrik W.Sangma, **Velu Rani**, Pandurengan Padmavathy[1], and VanlalhmangaihZuala. Differential Capacity of Carbon Sequestration Potential: Analyzing *Avicennia marina* and *Salicornia brachiata* along the South-eastern Coast of India. **Journal of Coastal Researc**h 38 2 377–388, March 2022 DOI: 10.2112/JCOASTRES-D-21-00040.1
3. **Rani.V***, Deepika.S, Abarna. K and Uma. 2022. Isolation, identification and optimisation of growth conditions for the marine microalgae isolated from Gulf of Mannar, South east coast of India. **Regional studies in marine Science:** 51: 102189 (ELSEVIER publication)
4. Keerthika Kalaiselvan, Padmavathy Pandurangan, **Rani Velu,** Jeyashakila Robinson. 2022. Occurrence of microplastics in gastrointestinal tracts of planktivorous fish from the Thoothukudi region. **Environmental Science and Pollution Research**, Springer publications, https://doi.org/10.1007/s11356-022-19033-0
5. **V. Rani,** P. Jawahar, R. Jeyashakila and A. Srinivasan Effect of fucoidan of brown seaweeds on the immuno-haematological change and the disease resistance against *Aeromonas hydrophila* in tilapia *Oreochromis mossambicus.* International Journal of Current Microbiology and Applied Sciences:9(8): 636-649

6. Arisekar. U, Robinson Jeya Shakila, Geeveretnam Jeyasekaran, R.Shalini, Palanikumar, Asha Hema Malani and **V.Rani.** 2019. Accumulation of Oragnochlorine and pyrethroid pesticide residues in fish, water and sediments in the Thamirabarani river system of southern peninsular India, Environmental Nanotechnology, Monitoring and Management (ELSEVIER). 11, 1000194: 1-13.
7. **Rani.V**, R. J. Shakila, P. Jawahar and A. Srinivasan. 2017. Influence of species, geographic location, seasonal variation and extraction method on the fucoidan yield of the brown seaweeds of Gulf of Mannar, India, Indian Journal of Pharmaceutical Sciences: 79(1), 65-71
8. **Rani.V,** P. Jawahar, R. Jeya Shakila, A. Srinivasan. 2016. Antibacterial activity of some brown seaweeds of Gulf of Mannar, South East Coast of India. *J. Pharm. Bio Sci. 4, 4: 14-21*
9. **Rani.V**, P. Jawahar and R.Jeyashakila. 2015. Seasonal variation in biomass and distribution of brown seaweeds (Phaeophyceae) in Gulf of Mannar, Tamilnadu, India, *The Bioscan* 10(3): 1123-1129.

13. **Honours and Awards : 4**

1. Distinguished Service Award for fisheries discipline from organizing secretary for organizing the first national conference on "Tamilal eyalum Vaellan Ariviyal" organized by Agricultural Tamil Scientific Society, New Delhi and Tamilnadu Veterinary and Animal Sciences University held at TANUVAS, MVC, Chennai during August 2016

2. Best Paper award for the presentation of the research topic on" Influence of species, geographic location, seasonal variation and extraction method on the fucoidan yield of the brown seaweeds of Gulf of Mannar, India" at the third National Conference on Agricultural Scientific Research held at Tamilnadu Agricultural University, Coimbatore during 12.08.2017 to 13.08.2017.

3. Best chapter Award for serving as vice president (Fisheries) for Thoothukudi chapter of Agricultural Scientific Tamil Society for fisheries discipline, during the 3rd national conference on Agricultural Scientific Research conference on held at Tamilnadu Agricultural University, Coimbatore on 12.02.2017.

4. Conferred with "Young Professional Award" by Agricultural Scientific Tamil Society, New Delhi during 5th National conference on "Agricultural Scientific Tamil Conference" at Tamil Nadu Agricultural University, Coimbatore on 09.10.2020.

Dr. V.Rani,
Associate Professor