

Individual Biodata

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Qualification	:	M.Tech, PhD (Aquacultural Engineering)
Field of Specialization	:	
Major	:	Aquacultural Engineering
Specializing field	:	Organic Electronics, Organic Semiconductor Devices, Flexible Electronics, Piezoelectric Energy Harvesting Devices, Physics of Energy Harvesting Devices, Sensors and Crystal Growth
Experience (in years)	:	13.0 years (9 years in TNJFU + 4.0 years other institute/industry)

Current Projects: 1 no.

S. no.	Title of the project	Year	PI & Co-PI	Funds (in Rs.)	Funding Agency
1.	Development of Piezoelectric Nano-Generator Energy Harvester from Crustacean Shells and Technical Empowerment of People in Muttam and Vadakudi Villages	2024	Dr.M.Ramar (PI) Dr.D.Kesavan Dr.T.Anand Er.S.Monikandon	1,00,000/-	Unnat Bharat Abhiyan 2.0, Ministry of Education, Govt. of India

Completed Projects: 2 nos.

S. no.	Title of the project	Year	PI & Co-PI	Funds (in Rs.)	Funding Agency
1.	Design and development of nanogenerator from crustacean shell waste	2022-2023	Dr.M.Ramar(PI)	2,00,000/-	TNJFU-JTRF
2.	Development of bio-piezoelectric material from prawn shell	2017-2018	Dr.M.Ramar (PI)	1,00,000/-	TNJFU-JTRF

Recent Publications:

1. DharaniShrree, R. S., **Tanveer, M***., Puja, U. T., Rekha, N., Ahmed, A. (2024). Analysis of land-based parameters and development of multi-criteria decision support system for demarcation of potential aquaculture sites in Nagapattinam, Tamil Nadu, India. Land Degradation & Development, 35(5), 1927–1937. https://doi.org/10.1002/ldr.5033 (Impact Factor **4.7**)
2. Pradeep, R., Ayesha Jasmin, S., **Tanveer, M***.,Prabakaran, G., Karthik, R., Dibyendu, K., Brindhadevi, K. (2024). Environmental impacts and effects on greenhouse gas emissions in shrimp feed production system for aquaculture – A case study in India.Environmental Research, 117348, ISSN 0013-9351, https://doi.org/10.1016/j.envres.2023.117348 (Impact Factor **8.3**)
3. Jasmin, A., Ramesh, P., & Tanveer, M. (2024). Development of Artificial Intelligence-based chatbot for smart aquafarm practices. Expert Systems, 41(6), e13123. https://doi.org/10.1111/exsy.13123
4. Ayesha Jasmin S, Pradeep, R. and Tanveer, M*.(2023) An intelligent framework for prediction and forecasting of dissolved oxygen level and biofloc amount in a shrimp culture system using machine learning techniques. Expert Systems with Applications 199- 117160
5. Roy S.M., Tanveer M.* and Machavaram R. (2022) Applications of gravity aeration system in aquaculture—a systematic review Aquaculture International 30 (1) 1593–1621
6. Roshan, R. U., Tanveer, M.*, Roy, S.M., Rajendran, R. (2022). Design characteristics of showering aeration system Journal of Water Supply: Research and Technology-Aqua 71 (1) 139–153
7. Roy, S.M.,Tanveer, M.*,Debaditya, G, Pareek, C. M. and Mal, B. C. (2021) Prediction of standard aeration efficiency of propeller diffused aeration system using response surface methodology and artificial neural network Water Supply 21 (8) 4534–4547

Patents/Designs

1. Dr.M.Ramar, Dr.D.Kesavan, Dr.T.Anand, Er.S.Monikandon, B. Sanjay, M. Gowsick Kumar, P. Suwathi, Piezoelectric Tiles, Design Application, Appl.No. 370291-001, 2022.
2. RamarMarimuthu, KesavanDevarayan, AnandTheivasigamani, MonikandonSukumaran, Piezoelectric Shoe, Appl.No. 370787-001, 2022.
3. KesavanDevarayan, AnandTheivasigamani, ArchanaMuthuvel, MonikandonSukumaran, Ramar Marimuthu, Kishore Arasu, Atmospheric Water Generator, Indian Design Application no.401344-001, 2023.
4. KesavanDevarayan, AnandTheivasigamani, MonikandonSukumaran, RamarMarimuthu, Capacitive Deionization, Design Application, Appl.No.370485-001, 2022.
5. MonikandonSukumaran, KesavanDevarayan, AnandTheivasigamani, RamarMarimuthu, Aquatic Animal, Habituation tank, Appl.No. 370865-001, 2022.
6. MonikandonSukumaran, KesavanDevarayan, AnandTheivasigamani, RamarMarimuthu,AnbarasanRajmanickam, BalajiMunusamy, Aquatic Animal Harvester, Appl.No. 370867-001, 2022.
7. AnandTheivasigamani, RoshanRajuUmaselvi, Harini Ravi, KesavanDevarayan, MonikandonSukumaran, RamarMarimuthu, Gearbox design for combined aerators, Appl.No.372078-001, 2022.
8. KesavanDevarayan, AnandTheivasigamani, MonikandonSukumaran, RamarMarimuthu, Pocket-size Colorimeter. Granted, Design No.370129-001, 04.04.2024.
9. AnandTheivasigamani, Mohammed Imthathullah, Jenifer Loumin S., KesavanDevarayan, MonikandonSukumaran, RamarMarimuthu, Grader for Shimp Nursery, Granted, Design No.372078-001, 15.03.2024.

Awards and Honours

1. **Fellowship** from **Ministry of Human Resources Development (MHRD), Government of India** during M. Tech. & PhD at Indian Institute of Technology, Kharagpur.
2. **Merit Scholarship** during **B. Tech.**
3. **Qualified GATE**, All India rank 95 and **Qualified JRF** (Indian Council of Agricultural Research) in 2005, All India rank 38.
4. Scored **TOEFL** (Test of English as a Foreign Language).

Google Scholar	:https://scholar.google.co.in/citations?user=mWeaFjsAAAAJ&hl=en
Research Gate	:https://www.researchgate.net/profile/Mohammad-Tanveer