

Individual Biodata

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Qualification	:	M.E (PhD)
Field of Specialization	:	
Major	:	Civil Engineering
Specializing field	:	Nanomaterials, Biogenic materials ,Corrosion, Bioremediation
Experience (in years)	:	11.5 years (9 years in TNJFU + 2.5 years other institutions)

Current Projects: 2 nos.

S. no.	Title of the project	Year	PI & Co-PI	Funds (in Rs.)	Funding Agency
1.	Design and fabrication of Fish Vending Trolley for empowerment of fish peripatetic vendor women in Akkaripettai Village	2024	Er.S.Monikandon(PI) Dr.D.Kesavan Dr.T.Anand Dr.M.Ramar	1,00,000/-	Unnat Bharat Abhiyan 2.0, Ministry of Education, Govt. of India

Completed Projects: 4 nos.

S. no.	Title of the project	Year	PI & Co-PI	Funds (in Rs.)	Funding Agency
1.	Design of an integrated Acclimation tank unit for shrimp culture system	2018-2019	Er.S.Monikandon (PI)	75,000/-	TNJFU-URP
2.	Development and demonstration of innovative fisheries engineering interventions for the production maximization in	2017-2021	Dr.M.Sivakumar Dr.N.Manimehalai Dr.P.Karthickumar Er.S.Monikandon (Co-PI)	21,00,000/-	Tamil Nadu Innovation Initiative (TANII)

	fisheries industries in Tamil Nadu Sub project Demand based solar powered auto feeder for hatcheries				

Recent Publications:

1. Monikandon Sukumaran, Kesavan Devarayan and Ramar Marimuthu, Eco-friendly Inhibitor for Corrosion of TMT Rod in Marine Environment, Materials Today: Proceedings (Elsevier), DOI: 10.1016/j.matpr.2021.11.460, 2021. **(Scopus Indexed).**
2. **Monikandon Sukumaran** , Kesavan Devarayan*, Ramar Marimuthu , Sabariswaran Kandasamy, Pre-During-Post Lockdown Air Quality in Adyar, Chennai, India Amid COVID-19 Pandemic Rev. Chim., 72 (4), 2021, 110-117
3. Muthuraman Ramanathan , **Monikandon Sukumaran** , Mathiyazhagan Narayanan , Natarajan Devarajan , Arunachalam Chinnathambi , Sulaiman Ali Alharbi , Nguyen Thuy Lan Chi,* , Mythili Saravanan , Kathirvel Brindhadevi , Larvicidal and pupicidal activity of crude ethyl acetate extract fraction-7a of Cymodocea serrulata on Culex quinquefasciatus **Process Biochemistry** 122 (1), 2022, 166-171 **(Impact factor 4.87)**
4. Kesavan Devarayan, Deepika Anandakumar Muthurani, Geetha Kannusamy, Yazhiniyan Palanisamy, Anand Theivasigamani, Gangeswar Mohan, Monikandon Sukumaran, Ramar Marimuthu, Evon Umesh Siluvai John, Hema Anjappan On-Site Colorimetric Determination of pH in Brackish Water Aquaculture Pigment and Resin Technology, 2024, Published online; DOI: 10.1108/PRT-11-2023-0099. IF: 1.40; NAAS 7.40.
5. Kesavan Devarayan*, Madhan Kathavarayan, Anand Theivasigamani, Monikandon Sukumaran, Sabariswaran Kandasamy, Development of portable colorimeter for on-site determination of water quality in aquaculture. Pigment & Resin Technology, 2023, 52(6), 685-694: IF: 1.4; NAAS 7.40.

Patents/Designs

1. Monikandon Sukumaran, Kesavan Devarayan, Anand Theivasigamani, Ramar Marimuthu, Aquatic Animal, Habituation tank, Appl.No. 370865-001, 2022.
2. Monikandon Sukumaran, Kesavan Devarayan, Anand Theivasigamani, Ramar Marimuthu,AnbarasanRajmanickam, Balaji Munusamy, Aquatic Animal Harvester, Appl.No. 370867-001, 2022.
3. Kesavan Devarayan, Anand Theivasigamani, Monikandon Sukumaran, Yazhiniyan Palanisamy, Praveena Balasubramanian, Cathrine Leenus Leon, Ida Stella Grace Joseph, Edible and Biodegradable Packages for Shelf-life Extension of Food Products. India Patent, Published, Application no.202341082147, date:22.12.2023.
4. Kesavan Devarayan, Anand Theivasigamani, Archana Muthuvel, Monikandon Sukumaran, Ramar Marimuthu, Kishore Arasu, Atmospheric Water Generator, Indian Design Application no.401344-001, 2023.
5. Kesavan Devarayan, Anand Theivasigamani, Monikandon Sukumaran, Evon Umesh Siluvai John, Gangeswar Mohan, Yazhiniyan Palanisamy, Sandwich Structured Halochromic Sensor for Monitoring Spoilage of Packed Fish. Indian Patent

Published, Appl.No.202241048351, 2022.

6. Kesavan Devarayan, Anand Theivasigamani, Monikandon Sukumaran, Ramar Marimuthu, Capacitive Deionization, Design Application, Appl.No.370485-001, 2022.
7. 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.
8. Ramar Marimuthu, Kesavan Devarayan, Anand Theivasigamani, Monikandon Sukumaran, Piezoelectric Shoe, Appl.No. 370787-001, 2022.
9. Anand Theivasigamani, Roshan Raju Umaselvi, Harini Ravi, Kesavan Devarayan, Monikandon Sukumaran, Ramar Marimuthu, Gearbox design for combined aerators, Appl.No.372078-001, 2022.
10. Kesavan Devarayan, Anand Theivasigamani, Monikandon Sukumaran, Ramar Marimuthu, Pocket-size Colorimeter. Granted, Design No.370129-001, 04.04.2024.
11. Anand Theivasigamani, Mohammed Imthathullah, Jenifer Loumin S., Kesavan Devarayan, Monikandon Sukumaran, Ramar Marimuthu, Grader for Shimp Nursery, Granted, Design No.372078-001, 15.03.2024.

Awards and Honours

1. **Best oral presentation Award 2024** 3rd Virtual International Conference on Advances in Food and Agricultural Science and Technology held on 29th and 30th June 2024, organized online by Chemical Science Review and Letters, Salem, India.
2. **Best Oral Presentation Award** Virtual International Conference on Materials for Food, Energy, Environment, and Health, Aufau Science Forum, 26 & 27th June 2021**.**
3. **Best Paper Award (Oral), 2020,** Virtual International Conference on Food and Agriculture Science and Technology, Salem, India, 31.10.2020.
4. **Best oral presentation Award 2016** 2nd National conference on Fundamental and Applied Chemistry, June.

Google Scholar	:	https://scholar.google.com/citations?view_op=new_profile&hl=en
Research Gate	:	https://www.researchgate.net/profile/Monikandon-Sukumaran