

Individual Biodata

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Qualification	:	M.Sc., M.Phil., B.Ed., Ph.D.
Field of Specialization	:	
Major	:	Physics
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)	:	11.0 years (9 years in TNJFU + 2.0 years other institutions)

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. Ramar Marimuthu, Kesavan Devarayan, Monikandon Sukumaran, Palani Rasu, Lavany Maruthua, Mahalakshmi Ramasamy, Sinthiya Muruganantham
Eco-friendly Piezoelectric Energy Harvester from Crustacean Shells, AIP Conf. Proc., 2024, 3122, 050016, Scopus Indexed; Cite Score 0.70.

2. Ramar Marimuthu, Kesavan Devarayan, Monikandon Sukumaran, Aarthi Suresh, Sabarmathi Ravichandran
Piezoelectric property from processed crustacean shells, Materials Today: Proceedings, 2022, 58, 942-946. Scopus Indexed.

3. Ramar Marimuthu*, Sabarmathi Ravichandran, Aarthi Suresh
Piezoelectric Property from Processed Prawn Shells, Chemical Science Review and Letters, 2020, 9 (36), 933-940. NAAS 4.87.

4. Kesavan Devarayan, Yazhiniyan Palanisamy, Gangeswar Mohan, Anand Theivasigamani, Vimaladevi Sekar, Sabariswaran Kandasamy, MonikandonSukumaran,Evon Umesh Siluvai John, Ramar Marimuthu
Non-Invasive Measurement of Spoilage of Packed Fish using Halochromic Sensor
Pigment and Resin Technology, 2024, Published online; DOI:10.1108/PRT-11-2023-0100.
Impact factor: 1.40; NAAS 7.40.

5. 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.

6. M.Ramar, S.Balasubramanian
Development of piezoelectric property material for nanogenerator production, Research Journal of Chemical and Environmental Sciences, 2017, 6 (1), 114-123, NAAS 4.64.

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. Ramar Marimuthu, Kesavan Devarayan, Anand Theivasigamani, Monikandon Sukumaran, Piezoelectric Shoe, Appl.No. 370787-001, 2022.
3. Kesavan Devarayan, Anand Theivasigamani, Archana Muthuvel, Monikandon Sukumaran, Ramar Marimuthu, Kishore Arasu, Atmospheric Water Generator, Indian Design Application no.401344-001, 2023.
4. Kesavan Devarayan, Anand Theivasigamani, Monikandon Sukumaran, Ramar Marimuthu, Capacitive Deionization, Design Application, Appl.No.370485-001, 2022.
5. Monikandon Sukumaran, Kesavan Devarayan, Anand Theivasigamani, Ramar Marimuthu, Aquatic Animal, Habituation tank, Appl.No. 370865-001, 2022.
6. Monikandon Sukumaran, Kesavan Devarayan, Anand Theivasigamani, Ramar Marimuthu,AnbarasanRajmanickam, Balaji Munusamy, Aquatic Animal Harvester, Appl.No. 370867-001, 2022.

7. Anand Theivasigamani, Roshan Raju Umaselvi, Harini Ravi, Kesavan Devarayan, Monikandon Sukumaran, Ramar Marimuthu, Gearbox design for combined aerators, Appl.No.372078-001, 2022.
8. Kesavan Devarayan, Anand Theivasigamani, Monikandon Sukumaran, Ramar Marimuthu, Pocket-size Colorimeter. Granted, Design No.370129-001, 04.04.2024.
9. 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 Presentation Award (Oral), 2024,** 3rd Virtual International Conference on Advances in Food and Agricultural Science and Technology (3rd VICAFAST), organized by Chemical Science Review and Letters, Salem, India, 29 & 30.06.2024.
2. **Best Presentation Award (Oral), 2024,** 2 days International Conference on Biorevolution-Pioneering Innovations in Life Sciences, organized by PSGR Krishnammal College of Arts and Science, Coimbatore, 21 & 22.03.2024.
3. **Best Outstanding Community Engagement Award, 2024**, College of Fisheries Engineering, Tamil Nadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam, 26.01.2024.
4. **Best Paper Award (Oral), 2023,** 9-tJ ehlshtpa Ntshz; jkpo; mwptpay; khehL, jkpo; ehL Ntshz;ikg; gy;fiyf; fofk; Nfhak;Gj;J}h;, 16.12.2023 & 17.12.2023.
5. **Best Paper Award (Poster), 2023,** National Conference on "Transcending Frontiers in Chemical Sciences" (TFCS-2023), National Institute of Techno logy, Tiruchirappalli, 11.08.2023 & 12.08.2023.
6. **Best Paper Award (Oral), 2023,** 8-tJ ehlshtpa Ntshz; jkpo; mwptpay; khehL, jkpo; ehL lhf;lh; n[. n[ayypjh kPd;tsg; gy;fiyf ;fofk;> ehfg;gl;bdk; , 25.02.2023 & 26.02.2023.
7. **Junior Teacher Research Fellowship, 2022,** Tamil Nadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam, India
8. **Best Paper Award (Poster), 2021,** Virtual International Conference on Materials for Food, Energy, Environment, and Health (VICMFEEH), Aufau Science Forum, Salem, India, 27.06.2021 & 28.06.2021.

Google Scholar	:	https://scholar.google.com/citations?authuser=1&user=RQw5_swAAAAJ
Research Gate	:	https://www.researchgate.net/profile/Ramar-M-2 https://www.researchgate.net/profile/Ramar-