



Dr. R. RAJARAM
Professor

Contact

Address : Department of Marine Science
Bharathidasan University
Tiruchirappalli – 620 024
Tamil Nadu, INDIA

Employee Number : BDU1740853

Date of Birth : 20-05-1974

Contact Phone (Office) : +91 431 2407072 Extn. 418

Contact Phone (Mobile) : +91 9842874661

Contact e-mail(s) : drrajaram69@rediffmail.com; rajaramdms@bdu.ac.in

Skype id : rajaramdms

ORCID : 0000-0003-2621-1677

Google Scholar Link : <https://scholar.google.com/citations?user=OReYWSEAAAAJ&hl=en>

ResearchGate Link : <https://www.researchgate.net/profile/Rajendran-Rajaram>

Scopus Link : <https://www.scopus.com/authid/detail.uri?authorId=16023074600>

Academic Qualifications: M.Sc., Ph.D.

DEGREE	INSTITUTION	YEAR	SUBJECT	CLASS	MARKS (%)
D.Sc.	Alagappa University, Karaikudi	2024	Marine Science / Oceanography	Pursuing	--
Ph. D.	CAS in Marine Biology Annamalai University	2002	Marine Biology	Awarded	By thesis
M. Sc.	Annamalai University Annamalai Nagar	1995 - 97	Zoology	First	74.2
B. Sc.	Manonmaniam Sundaranar University	1992 - 95	Zoology	First	66

Teaching Experience: 19 Years

Research Experience: 24 Years

Additional Responsibilities

1. Deputy Controller of Examinations i.c, Centre for Distance and Online Education, Bharathidasan University, Tiruchirappalli – 620 024 since 03.05.2024.
2. Member in CARE committee for verifying the publications submitted by Ph.D research scholars and young faculties since 27/07/2022
3. NAAC Coordinator to carry out NAAC related work in the Department of Marine Science during the Academic year 2018-2019.
4. Executive committee member in Clean and Green Initiative, Bharathidasan University, Tiruchirappalli.
5. Camp Officer for Central valuation in April 2016 (Unit IV), Bharathidasan University.
6. Camp Officer for Central valuation in November 2017 (Unit IV), Bharathidasan University.

Areas of Research

- 1) EIA, toxic metal pollution and microbial remediation
- 2) Marine natural products & DNA Barcoding of marine resources.
- 3) Polar Research – Metal flow in polar food-webs
- 4) Microplastics – Impacts on marine resources and biomitigation strategies

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDFs	01	01
	Ph.D.	12	07
	M.Phil.	09	Nil
Project	PG	63	03
	UG – B. Tech	02	Nil

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
139	02	20	09	02/21/01/02

Cumulative Impact Factor (as per JCR) : 466.307
h-index : 36
i10 index : 92
Total Citations : 3950 (As on August 2024)

Funded Research Projects

Completed Projects: As PI

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	UGC	2009	2012	EIA and bioremediation technology for coastal zone management in Cuddalore coast, East coast of Tamil Nadu	11.69
2	DST-SERB	2010	2013	Reef associated ichthyofaunal taxonomy through DNA barcoding in Gulf of Mannar Marine Biosphere Reserve, Southeast coast of India	13.83
3	MoES, Govt. of India	2014	2017	Heavy metal flow in the marine food web of Muthupettai mangrove ecosystem, east coast of Tamil Nadu	29.65
4	GOMBRT, Govt. of TN	2014	2017	Quantification and impact of domestic and industrial effluents discharged in to Gulf of Mannar in Thoothukudi district with specific focus on heavy metal concentration in water, sediment and biological samples.	09.15
5	TNSCST	2013	2014	Socio economic status of the fisher folk communities of Cuddalore with special reference to SIPCOT industrial development	0.075
6	TNSCST	2020	2022	Quantification and impact of microplastics in environmental and seafood samples of industrially polluted Cuddalore coast, East coast of Tamil Nadu	03.30
7	RUSA - MHRD	2021	2023	Identification and analyzing potential of microplastics degrading bacterial from polluted coastal environment	12.84

Ongoing Projects: As PI

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	MoES - NCPOR	2022	2025	Tropical transfer of essential and non-essential metals in the Arctic food webs - A comprehensive analysis of Kongsfjorden and Krossfjorden fjords.	Travel, accommodation, sampling and analysis directly supported by MoES
2	DOM-MoES	2024	2027	Development of marine macroalgal-based nutraceutical capsules for the effective management of hyperglycemia	62,03,688/- (Sanctioned, fund yet to receive)

Ongoing Projects: As Co-PI

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	TANSCH	2021	2024	Development of Integrated Recirculating Marine Aquaponics System for the Sustained Aqua-Agriculture Production: A New Avenue to Enhance the Rural Livelihood	65.31
2	DBT	2021	2024	Developmental Biology of Marine Live Feed Organisms in Aquaculture	173.64

Consultancy Projects:

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	Centre for Coastal and Marine Research, Tuticorin	2019	2019	Analysis the physico-chemical and biological attributes covering phytoplankton, zooplankton and benthos from 10 marine locations.	10,000/-
2	AECOM, Kolkata	2023	2023	Environmental and Social Impact Assessment (ESIA) for Phase 1 Development of Subarnarekha Port in Odisha	1,82,900/-
3	Chola MS risk Service Pvt Ltd, Chennai	2022	2023	Baseline monitoring of Marine Environmental Impact assessment study for Visakhapatnam Port Trust, Visakhapatnam	3.54,000/-
4	Chola MS risk Service Pvt Ltd, Chennai	2022	2023	Baseline monitoring of Marine Environmental Impact Assessment study for Greenfield Port at Astaranga, Puri District, Odisha	4,13,000/-
5	Chola MS risk Service Pvt Ltd, Chennai	2024	2025	Analysis of marine biological samples analysis from Karaikal port, Southeast coast of India	2,51,340/-
6	Chola MS risk Service Pvt Ltd, Chennai	2024	2025	Analysis of marine biological samples analysis from Hazira port, Gujarat.	1,16,159/-

Distinctive Achievements / Awards

1. Best Environmental Research Paper Award with Cash Prize from Dept of Environment and Climate Change, Govt. of Tamil Nadu 2020.
2. Guest Editor of Special Issue "Risk Assessment of Industrial Waste Pollution" in the journal of Sustainability – an Open Access Journal by MDPI.
3. DST Young Scientist Award 2010.
4. Outstanding Scientist in Marine Biotechnology awarded by Venus International Foundation 2016
5. Reviewer for evaluating many research proposals in SERB, DST, New Delhi
6. Reviewer for evaluating the research proposal in National Research, Development and Innovation Office, Hungary for the period of 2019 to 2020.
7. Reviewer for evaluating the research proposal in National Science Center, Poland (Evaluation of biosurfactants production capacity by bacteria isolated from sea water and determination of their role in combating food pathogens)
8. Reviewer for DST-CNRS Project Proposal
9. Reviewer for Springer, Elsevier, Taylor and Francis, Wiley etc. journals

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized:

1. Training workshop – **03** (As convenor); **06** (As co-convenor)
2. UGC sponsored refresher course – **01**
3. UGC sponsored short term course – **01**
4. Webinars (As convenor) - **03**

Events Participated

Conferences / Seminars / Workshops:

1. Conferences – **44**
2. Seminars - **19**
3. Trainings / workshops / Refresher courses / winter school etc - **13**

Other Training Programs

1. Participated in multidisciplinary cruise in the Onboard ORV Sagar Kanya (SK – 253) organized by National Centre for Antarctic and Ocean Research, Goa from 16th to 23rd December 2008.
2. Attended the 5 days training course on "**Biological Oceanographic Processes**" conducted by International Training Centre for Operational Oceanography (ITCOcean), ESSO – Indian National Centre for Ocean Information Services, Hyderabad during May 18-22, 2015

Overseas Exposure / Visits

1. Participated in **Indian Arctic Expedition 2023-2024** (Summer Batch 3) for the period of 40 days from July to August 2023 in Environmental Science (Tropical transfer of essential and non-essential metals in the arctic food webs - A comprehensive analysis of Kongsfjorden and Krossfjorden fjords), Svalbard, NORWAY.
2. Participated in **Indian Arctic Expedition 2019-2020** (Summer Batch 1) for the period of 40 days from May to June 2019 in the area of Environmental Science (Tropical transfer of essential and non-essential metals in the arctic food webs - A comparative analysis of Kongsfjorden and Longyearbyen Ecosystems), Svalbard, NORWAY.
3. Participated in the **WESTPAC DRMREEF Training Course on Recruitment Monitoring of Coral Reef Organisms** held at Institute of Oceanography, Nha Trang, VIETNAM on April 20-21, 2014.
4. Participated in the 5 days IORA/IOC/IIOE2/IODE/OTGA sponsored International Training Course on “**Marine Research Data Management**” held during 22 - 26 May 2016 at University of Kuala Terengganu, Kuala Terengganu, MALAYSIA.
5. Participated in the IOC/WESTPAC 9th International Scientific Symposium on “**A Healthy Ocean for Prosperity in the Western Pacific: Scientific Challenges and Possible Solutions**” held on 22-25 April 2014 at Nha Trang, VIETNAM

Membership in

Professional Bodies

1. Life Member: Marine Biological Association of India
2. Life Member: Aquatic Biodiversity Conservation Society
3. Fellow of Society of Applied Biotechnology
4. Member: Indian Science Congress.
5. Life member in Ocean Society of India.

Advisory Board

1. Served as Mentor / Host Scientist for Dr. Prabhu, post-doctoral fellow, Department of Marine science, School of Marine sciences, Bharathidasan University, Tiruchirappalli, who have been selected for the awarded of **Dr. D.S. Kothari Post-Doctoral**

Fellowship in Sciences for the period of three years from 2022 to 2024, supported by University Grants Commission, Government of India, New Delhi.

2. Served as Mentor / Host Scientist for Dr. Mamatchi Melila, Assistant Professor, Department of Biochemistry and Nutrition, University of Lome, Togo, West Africa who has been selected for the awarded of **CV Raman International Fellowship** for African Researcher under Visiting Fellowship for the period of three months from February to May 2018, supported by Ministry of Science and Technology, Government of India, New Delhi
3. Participated in the expert consultation meeting on “**Academic Partnership for Excellence and Networks in Fisheries Education and Research**” held at Central Institute of Fisheries duration (Indian Council for Agricultural Research), Versova, Mumbai, during 17-18 April 2012

Academic Bodies (such as Board of Studies etc.,)

1. Member of Board of Studies in B.Sc. Marine Biology for the affiliated colleges of Alagappa University for the academic years 2017-18 to 2019 to 2020.
2. Member of Board of Studies in M.Sc. Marine Science, Department of Marine Science, Bharathidasan University, Tiruchirappalli since 2009.
3. Member in Department Research Committee (Dept. of Marine Science, BDU)
4. Purchase committee member in various funded projects (DBT, UGC, ICMR etc.)

Others

1. Served as Chairperson and Co-chairperson in many national and international Conferences / Seminars / Symposia.
2. Selection committee member for PF, JRF and SRF in UGC, DST, MoEF&CC, ICMR, CSIR, DBT etc. funded projects.

Resource persons in various capacities

Number of Invited / Special Lectures delivered: **53**

Others

1. Articles published in Newspapers / Magazines: **03**
2. No. of PhD Thesis evaluated: 29
3. No. of PhD Public Viva Voce Examination conducted: **13**

4. Sequences submitted in GenBank

Organisms	NCBI					BOLD		
	16S rRNA	18S rRNA	RAG1	mt.COI	Cyto.B	18S rRNA	mt.COI	RAG1
Bacteria	28							
Actinobacteria	239							
Corals				3	3			
Hydrozoans	03	6		1				
Fishes		23	4	32		23	28	4

Publications

1. Smriti Das, Karuppanna Gounder Rajan Priyanka, Prabhu Kolandhasamy, Ramachandran Vinayagam, **Rajendran Rajaram ***, Sang Gu Kang * (2024). Anticandidal properties of *Launaea sarmentosa* among the salt marsh plants collected from Palk Bay and Gulf of Mannar coast, Southeastern India. **Antibiotics**. (**LF.4.3**)
2. Jegadeshwari B and **Rajaram R*** (2024). A critical review on pharmacological properties of sulfated polysaccharides from marine macroalgae. **Carbohydrate Polymers**, 344, 122488 (**LF.10.7**)
3. Muthulakshmi, L., Mohan, S., Kanthimathi, G., & **Rajaram, R***. (2024). Immobilization of EPS-modified sodium alginate microcapsule by co-polymerization for methylene blue dye adsorption and kinetics. **Total Environment Advances**, 200109.
4. Vethanayaham, J., Partheeban, E. C., Kolandhasamy, P., Dharmaraj, V., **Rajaram, R***. & Sadayan, P. (2024). Assessment of groundwater quality and the effects of chromium residues in the vicinity of shutdown tanneries. **Total Environment Advances**, 200106.
5. Ganeshkumar, A., Muthuselvam, M., Lima, P. M. N. D., **Rajaram, R***, & Junqueira, J. C. (2024). Current Perspectives of Antifungal Therapy: A Special Focus on *Candida auris*. **Journal of Fungi**, 10(6), p.408 (**LF.4.2**)
6. Jebashalomi, V., Charles, P. E., & **Rajaram, R*** 2024. Microbial degradation of low-density polyethylene (LDPE) and polystyrene using *Bacillus cereus* (OR268710) isolated from plastic-polluted tropical coastal environment. **Science of The Total Environment**, 924, 171580 (**LF.8.2**)

7. Aravinth, A., Mohan, P. K., Perumal, P., Dhanasundaram, S., Kamaraj, C., & **Rajaram, R***. (2024). Phyto-fabrication of brown seaweed *Dictyota ciliolata* extract towards silver nanoparticles synthesis and evaluation of mosquito-larvicidal potential of the synthesized AgNPs. **Journal of Applied Phycology**, 1-13 **(I.F.2.8)**

8. Aravinth, A., Dhanasundaram, S., Perumal, P., Kamaraj, C., Khan, S.U., Ali, A., Ragavendran, C., Amutha, V., **Rajaram, R***, Santhanam, P. and Luna-Arias, J.P., (2023). Evaluation of Brown and red seaweeds-extracts as a novel larvicidal agent against the deadly human diseases-vectors, *Anopheles stephensi*, *Aedes aegypti* and *Culex quinquefasciatus*. **Experimental Parasitology**, p.108651 **(I.F. 1.4)**

9. Perumal, P., Aravinth, A., Dhanasundaram, S., **Rajaram, R.**, Santhanam, P., Palanisamy, M. and James, R.A. (2023). Phytochemical, amino acid and fatty acid profile of selected brown and red seaweed species from Gulf of Mannar, Southeast India. **Food and Humanity**, 1, pp.1659-1669.

10. Aravinth, A., Perumal, P., **Rajaram, R***, Dhanasundaram, S., Narayanan, M., Maharaja, S. and Manikumar, A. (2023). Isolation and characterization of 2, 4-di-tert-butyl phenol from the brown seaweed, *Dictyota ciliolata* and assessment of its anti-oxidant and anticancer characteristics. **Biocatalysis and Agricultural Biotechnology**, 54, p.102933. **(I.F. 3.4)**

11. Perumal, P., Dhanasundaram, S., Aravinth, A., Kamaraj, C., Santhanam, P. and **Rajaram, R.**, (2023). In vitro evaluation of the anticancer potential of betulin, isolated from the seaweed *Sargassum ilicifolium*, against Hep-2, THP-1 and HeLa cell lines. **South African Journal of Botany**, 163, pp.443-456. **(I.F. 2.7)**

12. Said Hamid Thangal, Ramamoorthy Nandhini Priya, Chandrasekaran Vasuki, Velusamy Gayathri, Krishnan Anandhan, Arumugam Yogeshwaran, Thirunavukkarasu Muralisankar, Mathan Ramesh, **Rajendran Rajaram**, Perumal Santhanam, Balu Alagar Venmathi Maran (2023). The impact of ocean acidification and cadmium toxicity in the marine crab *Scylla serrata*: Biological indices and oxidative stress responses. **Chemosphere**, 345 (2023) 140447. doi.org/10.1016/j.chemosphere.2023.140447. **(I.F. 8.1)**

13. Priyanka, K.R and **R. Rajaram*** (2023). A critical review on anticandidal properties of marine plants. **Regional Studies in Marine Science**. 68 (2023) 103258. <https://doi.org/10.1016/j.rsma.2023.103258>. (**I.F. 2.1**)

14. Huahong Shi, João Frias, Alaa El-Din H. Sayed, Gabriel Enrique De-la-Torre, Jong Mui Choo, Sheikh Aftab Uddin, **Rajendran Rajaram**, Suchana Chavanich, Abolfazl Najii, Melisa Daiana Fernández-Severini, Yusof Shuaib Ibrahim, Lei Su (2023). Small plastic fragments: A bridge between large plastic debris and micro- & nanoplastics. **Trends in Analytical Chemistry**. <https://doi.org/10.1016/j.trac.2023.117308>. (**I.F. 11.8**)

15. Emmanuel Charles, P., M. Sathya, **R. Rajaram***, M.K. Al-Sadoon, A. Gulnaz and B. A. Paray (2023). First report on occurrence and characterization of microplastics in feces of *Covus splendens* (Vieillot, 1817). **International Journal of Environmental Science and Technology**. <https://doi.org/10.1007/s13762-023-05207-x> (**I.F. 3.0**)

16. Vethanayaham Jebashalomi, Partheeban Emmanuel Charles, **Rajendran Rajaram***, and Paramasivam Sadayan (2023). A critical review on nanoplastics and its future perspectives in the marine environment. **Environmental Monitoring and Assessment**. DOI: 10.1007/s10661-023-11701-z. (**I.F. 2.9**)

17. Manikandan Ramasamy, Rajakumar Ramachandran, Emmanuel Charles Partheeban, Vinothkannan Anbazhagan, **Rajaram Rajendran*** (2023). Proximate analysis, amino acid and fatty acid profiles of edible flatfish collected from Cuddalore coast, Southeast India. **Regional Studies in Marine Science**. [Doi.org/10.1016/j.rsma.2023.103169](https://doi.org/10.1016/j.rsma.2023.103169). (**I.F. 2.1**)

18. Ganeshkumar A, Gonçale JC, **Rajaram R**, Junqueira JC. (2023). Anti-Candidal Marine Natural Products: A Review. **Journal of Fungi**. 28: 9(8):800. doi.org/10.3390/jof9080800 (**I.F. 4.2**)

19. Elanthamilan, E., Ganeshkumar, A., Wang, S.F., **Rajaram, R.**, Thriambakeshwar, S. and Velusamy, M. (2023). Fabrication of polydopamine/polyaniline decorated multiwalled carbon nanotube composite as multifunctional electrode material for supercapacitor applications. **Synthetic Metals**, 298, p.117423. doi.org/10.1016/j.synthmet.2023.117423. (**I.F. 4.0**)

20. Gunasekaran Kannan, Prabhu Kolandhasamy, Suguna Anbukkarasu, Sivaraj Sigamani, Saravanakumar Ayyappan, **Rajaram Rajendran*** (2023). Marine plastics on the beaches of Cuddalore coast, Southeast coast of India: A assessment of their abundance during Covid lockdown and post lockdown. **Regional Studies in Marine Science**. <https://doi.org/10.1016/j.rsma.2023.103051>. **(I.F. 2.1)**

21. Mathivanan, K., Chandirika, J.U., Srinivasan, R., Charles, P.E., **Rajaram, R.** and Zhang, R. (2023). Exopolymeric substances production by *Bacillus cereus* KMS3-1 enhanced its biosorption efficiency in removing Cd²⁺ and Pb²⁺ in single and binary metal mixtures. **Environmental Research**, 228, p.115917. **(I.F. 7.7)**

22. Anisha, P., Athira, P.S., Anagha, B., Charles, P.E., Prabakaran, K. and **Rajaram, R***. (2023). First report on occurrence of heavy metals in dried fishes from major fishing villages in Kerala coast, Southwest India. **Hygiene and Environmental Health Advances**, 6, p.100051.

23. Aravinth, A., Dhanasundaram, S., Perumal, P., Vengateshwaran, T.D., Thavamurugan, S. and **Rajaram, R***. (2023). Biological activities of the brown seaweed *Dictyota ciliolata* with special reference to the human diseases transmitting *Aedes aegypti*'s larvae. **Biomass Conversion and Biorefinery**, pp.1-17. **(I.F. 3.5)**

24. Elanthamilan, E., Ganeshkumar, A., Wang, S.F. and **Rajaram, R.** (2023). In situ synthesis of a non-toxic cobalt–benzimidazole metal–organic framework decorated reduced graphene oxide composite for asymmetric supercapacitor applications. **New Journal of Chemistry**, 47(10), pp.4832-4844. **(I.F. 2.7)**

25. Vinothkannan, A., Charles, P.E., **Rajaram, R***, Al-Sadoon, M.K. and Gulnaz, A. (2023). Survey to identify the metal accumulation pathway in humans using hair and nail as biomarkers from fisherfolk population. **Chemosphere**, 319, p.138020. **(I.F. 8.1)**

26. Vaikundamoorthy Ramalingam, Krishnamoorthy Varunkumar Vilwanathan Ravikumar, **Rajaram Rajendran*** (2022). N-(2-hydroxyphenyl)-2-phenazinamine from *Nocardiosis exhalans* induces p53-mediated intrinsic apoptosis signaling in lung cancer cell lines. **Chemico-Biological Interactions** 369 (2023): 110282. doi.org/10.1016/j.cbi.2022.110282. **(I.F – 4.7)**

27. Priyanka, K.R., and **R. Rajaram*** (2022). Preliminary screening on anticandidal properties of marine macroalgae collected from Palk Bay and Gulf of Mannar, southeast coast of India. **Biomass Conversion and Biorefinery**. DOI : 10.1007/s13399-022-03599-3. **(I.F – 3.5)**

28. Athira Pulickal Santhosh, Anisha Pyary, Anagha Biju, Emmanuel Charles Partheeban, Jebashalomi Vethanayaham, **Rajaram Rajendran***, Mohammad Khalid Al-Sadoon, and Aneela Gulnaz (2022). Heavy metal contamination along different tidal zones of a tropical Bay of Bengal coastal environment influenced by various anthropogenic activities. **Environmental Science and Pollution Research**. <https://doi.org/10.1007/s11356-022-24112-3>.

29. **Rajendran Rajaram***, Arumugam Ganeshkumar and Partheeban Emmanuel Charles (2022). Ecological risk assessment of metals in the Arctic environment with emphasis on Kongsfjorden Fjord and freshwater lakes of Ny-Alesund, Svalbard. **Chemosphere**. <https://doi.org/10.1016/j.chemosphere.2022.136737>. **(I.F – 8.1)**

30. Durairaj Sivaraj, Ganeshkumar Arumugam, Vijayalakshmi Kalimuthu, **Rajaram Rajendran** (2022). Enhanced anti-biofilm and biocompatibility of Zn and Mg substituted β -tricalcium phosphate/functionalized multiwalled carbon nanotube composites towards *A. baumannii* and Methicillin-Resistant *Staphylococcus aureus*, and MG-63 cells. **International Journal of Pharmaceutics**. <https://doi.org/10.1016/j.ijpharm.2022.122248>. **(I.F – 5.3)**

31. Biju Anagha, Pulickal Santhosh Athira, Pyary Anisha, Partheeban Emmanuel Charles, Arumugam Anandkumar and **Rajendran Rajaram*** (2022). Biomonitoring of heavy metals accumulation in molluscs and echinoderms collected from southern coastal India. **Marine Pollution Bulletin**. <https://doi.org/10.1016/j.marpolbul.2022.114169>. **(I.F – 5.3)**

32. Priyanka K. R, **R. Rajaram*** and S. R. Sivakumar (2022). A critical review on pharmacological properties of marine macroalgae. **Biomass Conversion and Biorefinery** <https://doi.org/10.1007/s13399-022-03134-4> **(I.F – 3.5)**

33. Sundaramoorthy Dhanasundaram, Annamalai Aravinth, Pachiappan Perumal, Vadivel Amutha, **Rajendran Rajaram***, Perumal Santhanam (2022). Mosquito-pupicidal activity of the extracts of seaweeds, *Sargassum wightii*, and *Gelidiella acerosa* against the

dengue vector, *Aedes aegypti*. **Biomass Conversion and Biorefinery**.
<https://doi.org/10.1007/s13399-022-03064-1> (**LF – 3.5**)

34. Arumugam Ganeshkumar, Durairaj Sivaraj, Kalimuthu Vijayalakshmi, Anbazhagan Vinothkannan, Piliyan Raju, Soundaraj Dineshkumar, Perumal Santhanam, Vaikundamoorthy Ramalingam, **Rajendran Rajaram*** (2022). Sunlight-irradiated bismuth titanate nanoparticles mediated degradation of methylene blue—Ecological perspectives. **Environmental Technology & Innovation**.
<https://doi.org/10.1016/j.eti.2022.102749>. (**LF – 6.7**)
35. Anbazhagan Vinothkannan, Partheeban Emmanuel Charles, **Rajendran Rajaram*** (2022). Consumption of metal-contaminated shellfish from the Cuddalore coast in Southeastern India poses a hazard to public health. **Marine Pollution Bulletin**.
<https://doi.org/10.1016/j.marpolbul.2022.113827>. (**LF – 5.3**)
36. Vaikundamoorthy Ramalingam, **Rajendran Rajaram**, Govindaraju Archunan, Parasuraman Padmanabhan and Bala'zs Gulya's (2022). Structural Characterization, Antimicrobial, Antibiofilm, Antioxidant, Anticancer and Acute Toxicity Properties of N-(2-hydroxyphenyl)-2-phenazinamine From *Nocardiosis exhalans* (KP149558). **Frontiers in Cellular and Infection Microbiology**. doi: 10.3389/fcimb.2022.794338 (**LF – 4.6**)
37. Pitchiah Sivaperumal, Kannan Kamala, Kumaran Subramanian, Wilson Aruni, Rajeshkumar Shanmugam, **Rajendran Rajaram** (2022). Baseline assessment of marine actinobacterial diversity around the nuclear power plant sites, India and its application to uranium remediation. **Environmental Research**. 212 (2022) 113135.
<https://doi.org/10.1016/j.envres.2022.113135> (**LF – 7.7**)
38. Anbazhagan Vinothkannan, **Rajendran Rajaram***, Partheeban Emmanuel Charles, Arumugam Ganeshkumar (2022). Metal associated human health risk assessment due to consumption of pelagic and benthic ichthyofaunal resources from the highly contaminated Cuddalore coast in Southern India. **Marine Pollution Bulletin**.
<https://doi.org/10.1016/j.marpolbul.2022.113456>. (**LF – 5.3**)
39. Karunanidhi Kaleshkumar, **Rajendran Rajaram***, Bilal Ahamad Paray, Sajad Ali (2022). Are pufferfishes a viable source of nutritional value for human consumption—an investigation on recently commercialized marine pufferfishes (Tetraodontidae:

Tetraodontiformes). **Environmental Science and Pollution Research**
<https://doi.org/10.1007/s11356-022-19072-7>.

40. Mohan Suvetha, Partheeban Emmanuel Charles, Anbazhagan Vinothkannan, and **Rajendran Rajaram*** (2022). Are we at risk because of road dust? An ecological and health risk assessment of heavy metals in a rapid growing city in South India. **Environmental Advances**. doi:10.1016/j.envadv.2022.100165.
41. Emmanuel Charles Partheeban, Vinothkannan Anbazhagan¹, Ganeshkumar Arumugam, Bathirirath Seshasayanan, **Rajaram Rajendran***, Bilal Ahmad Paray, Mohammed Khalid Al-Sadoon, Abdul Rahman Al-Mfarij (2021). Evaluation of toxic metal contaminants in the demersal flatfishes (Order: Pleuronectiformes) collected from a marine biosphere reserve. **Regional Studies in Marine Science**. 42: 101649. <https://doi.org/10.1016/j.rsma.2021.101649> (**IF – 2.1**)
42. Mamatchi Melila, **Rajaram Rajendran***, Ganeshkumar Arumugam, (2021). Toxic metals (Cd and Pb) induced dysfuncing of antioxidant system in marine fish *Sphyrna barracuda* collected from Kpeme, South of Togo. **Indian Journal of Geo-Marine Science**. 50(01); 44-51. (**IF – 0.553**)
43. Steplinpauselvin Selvinsimpson, Eva Gnana Dhana Rani. S, Ganesh Kumar. A, **Rajaram. R**, Sharmila Lydia .I, Yong Chen (2021). Photocatalytic activity of SnO₂/Fe₃O₄ nanocomposites a 1 and the toxicity assessment of 2 *Vigna radiata*, *Artemia salina* and *Danio rerio* in the photodegraded solution. **Environmental Research**. 195: 110787. <https://doi.org/10.1016/j.envres.2021.110787> (**IF – 7.7**)
44. Vinothkannan Anbazhagan, Emmanuel Charles Partheeban, Ganeshkumar Arumugam, Venugopal Selvasekaran, **Rajaram Rajendran***, Bilal Ahmad Paray, Mohammed Khalid Al-Sadoon & Abdul Rahman Al-Mfarij (2021). Avian feathers as a biomonitoring tool to assess heavy metal pollution in a wildlife and bird sanctuary from a tropical coastal ecosystem. **Environmental Science and Pollution Research**. <https://doi.org/10.1007/s11356-021-13371-1>.
45. Priya Aarthy, A., Sangeeta Sen, A., Ganeshkumar, A., **R. Rajaram** and G. Archunan (2021). An evaluation of the prevalence, cause and risk factors associated with leucorrhoea in reproductive age group women. **International Journal**

46. Karunanidhi Kaleshkumar, **Rajendran Rajaram***, Shanmugam Vinothkumar and Anbazhagan Vinothkannan (2021). Distribution of marine puffer and porcupinefishes (Order: Tetraodontiformes) from Tamil Nadu 3 coast, Southern India. **Proceedings of the National Academy of Sciences, India Section B: Biological Sciences**. <https://doi.org/10.1007/s40011-020-01212-z>.
47. **Rajaram, R***, T. Muralisankar, Bilal Ahamad Paray and Mohammad K. Al-Sadoon (2021). Phytochemical profiling and antioxidant capacity of *Kappaphycus alvarezii* (Doty) Doty collected from seaweed farming sites of tropical coastal environment. **Aquaculture Research**. DOI: 10.1111/are.15188 (**LF – 1.9**)
48. Vinothkannan Anbazhagan, Emmanuel Charles Partheeban, Ganeshkumar Arumugam, Anandkumar Arumugam, **Rajaram Rajendran***, Bilal Ahamad Paray, Mohammad K. Al-Sadoon, & Abdul Rahman Al-Mfarij (2021) Health risk assessment and bioaccumulation of metals in brown and red seaweeds collected from a tropical marine biosphere reserve. **Marine Pollution Bulletin**. <https://doi.org/10.1016/j.marpolbul.2021.112029> (**LF – 5.3**)
49. Vinothkannan Anbazhagan, **Rajaram Rajendran***, Ganeshkumar Arumugam and Arun Ganeshan (2021). Identification of heavy metal pollution source due to idol immersion activity across the Cauvery River basin, Tamil Nadu, South India. **Current Science**. 120(01). doi: 10.18520/cs/v120/i1/(**LF – 1.1**).
50. Krishnamurthy Mathivanan, Jayaraman Uthaya Chandirika, Thangavel Mathimani, **Rajendran Rajaram**, Gurusamy Annadurai and Huaqun Yin (2021). Production and functionality of exopolysaccharides in bacteria exposed to a toxic metal environment. **Ecotoxicology and Environmental Safety**. 208 (2021) 111567. <https://doi.org/10.1016/j.ecoenv.2020.111567> (**LF. – 6.2**)
51. **Rajendran Rajaram***, Sethu Rameshumar, Bilal Ahmad Paray and Mohammed Fahad Albeshr (2020). Impacts of cultivation of red algae *Kappaphycus alvarezii* on planktonic and benthic faunal density in relation to environmental and hydrobiological parameters in tropical coastal ecosystem. **Acta Ecologica Sinica**. <https://doi.org/10.1016/j.chnaes.2020.11.006>.

52. Arumugam Ganeshkumar, Suvaiyarasu Suvaithenamudhan and **Rajendran Rajaram*** (2020). In Vitro and In Silico Analysis of Ascorbic Acid Towards Lanosterol 14- α -Demethylase Enzyme of Fluconazole-Resistant *Candida albicans*. **Current Microbiology**. <https://doi.org/10.1007/s00284-020-02269-9>. (**I.F. - 2.3**)

53. Pandion Kumar, Pitchiah Sivaperumal, Vajravelu Manigandan, **Rajendran Rajaram** and Mohamed Hussain (2020). Assessment of potential human health risk due to heavy metal contamination in edible finfish and shellfish collected around Ennore coast, India. **Environmental Science and Pollution Research**. <https://doi.org/10.1007/s11356-020-10764-6>.

54. Sivaraj Durairaja, Vijayalakshmi Kalimuthua, Ganeshkumar Arumugamb, **Rajaram Rajendran** (2020). Tailoring Cu substituted hydroxyapatite/functionalized multiwalled carbon nanotube composite coating on 316L SS implant for enhanced corrosion resistance, antibacterial and bioactive properties. **International Journal of Pharmaceutics**. <https://doi.org/10.1016/j.ijpharm.2020.119946> (**I.F. - 5.3**)

55. Vaikundamoorthy Ramalingam and **Rajendran Rajaram*** (2020). A paradoxical role of reactive oxygen species in cancer signaling pathway: Physiology and Pathology. **Process Biochemistry**. <https://doi.org/10.1016/j.procbio.2020.09.032> (**I.F. - 3.7**)

56. Gayathri, V., T. Muralisankar, **R. Rajaram**, M. Munisamy and P. Santhanam (2020). Assessment of heavy metal pollution in Noyya and Chinnar Rivers, Western Ghats of Tamil Nadu, India with reference to crabs (Gecarcinucidae) – A baseline study. **Bulletin of Environmental Contamination and Toxicology**. <https://doi.org/10.1007/s00128-020-02986-8>. (**I.F. - 2.7**)

57. Ganeshkumar Arumugama, Prabhusaran Nagarajan, Pramila Mahalingam, Saranya Balasubramanian, Priya Aarth Archunan, Archunan Govindaraju, **Rajendran Rajaram*** (2020). Antifungal susceptibility and virulence profile of *Candida* isolates from abnormal vaginal discharge of women population from southern India. **European Journal of Obstetrics and Gynecology and Reproductive Biology**. DOI: [10.1016/j.ejogrb.2020.09.021](https://doi.org/10.1016/j.ejogrb.2020.09.021). (**I.F - 2.1**).

58. Mamatchi Melila, **Rajaram Rajendran***, Ganeshkumar Arumugam, (2020). Toxic metals (Cd and Pb) induced dysfunctioning of antioxidant system in marine fish *Sphyrna*

barracuda collected from Kpeme, South of Togo. **Indian Journal of Geo-Marine Science**. (I.F – 0.553)

59. **Rajaram Rajendran***, Ganeshkumar Arumugam, Vinothkumar Shanmugam, Arun Ganesan (2020). Ecological risk assessment of toxic metals contamination in Tuticorin coast of Gulf of Mannar, Southern India. **Chemistry and Ecology**. ID: 1819986 DOI:10.1080/02757540.2020.1819986 (I.F – 1.3)
60. Ganeshkumar Arumugam, Suvaithenamudhan Suvaayarasan, Elanthamilan Elaiyappillai, Arun Ganesan, Bharathi Dileepan Anbusivam Gowrisivam, Prabhusaran Nagarajan, **Rajaram Rajendran*** (2020). New insight of red seaweed derived Callophycin A as an alternative strategy to treat drug resistance vaginal candidiasis. **Bioorganic Chemistry**. DOI [10.1016/j.bioorg.2020.104256](https://doi.org/10.1016/j.bioorg.2020.104256) (I.F – 4.5)
61. Bharathi Dileepan, A.G., A. Ganeshkumar, R. Ranjith, D. Maruthamuthu, **R. Rajaram**, Shameela Rajam (2020). Killing effects of *Candida albicans* through alteration of cellular morphology and growth metabolism using Tris-NHC ligand coordinated to Ag^I and Cu^I. **Journal of Molecular Structure**, 1225 (2020) 129117. <https://doi.org/10.1016/j.molstruc.2020.129117>. (I.F – 4.0)
62. **Rajaram, R***, A. Ganeshkumar., T. Muralisankar and P. Sivaperumal (2020). Bioaccumulation of metals in mangroves and salt marshes collected from Tuticorin coast of Gulf of Mannar marine biosphere reserve, Southeastern India. **Marine Pollution Bulletin** 160 (2020) 111599. doi.org/10.1016/j.marpolbul.2020.111599 (I.F – 5.3)
63. Elanthamilan Elaiyappillai, Ganeshkumar Arumugam, Princy Merlin Johnson, Kogularasu Sakthivel and **Rajaram Rajendran** (2020). Sonochemical Assisted Leaching of Aluminium oxide Nanoparticles from Domestic Aluminium wastes as Non-toxic Electrode Material for Energy Storage Application. **Journal of the Electrochemical Society**. <https://doi.org/10.1149/1945-7111/aba54f> (I.F – 3.1)
64. **Rajaram, R***, A. Ganeshkumar and A. Vinothkannan (2020). Health risk assessment and bioaccumulation of toxic metals in commercially important finfish and shellfish resources collected from Tuticorin coast of Gulf of Mannar, Southeastern India. **Marine Pollution Bulletin**. 159: 111469. <https://doi.org/10.1016/j.marpolbul.2020.111469> (I.F – 5.3)

65. Yogeshwaran, A., K. Gayathiri, T. Muralisankar, V. Gayathri, J. Irene Monica, **R. Rajaram**, K. Marimuthu and P. Saravana Bhavan (2020). Bioaccumulation of heavy metals, antioxidants and metabolic enzymes in the crab *Scylla serata* from different regions of Tuticorin, Southeast coast of India. **Marine Pollution Bulletin**. <https://doi.org/10.1016/j.marpolbul.2020.111443> (**I.F – 5.3**)
66. Ganeshkumar Arumugam and Rajaram Rajendran* (2020). Callophycin A loaded chitosan and spicules-based nanocomposites as an alternative strategy to overcome vaginal candidiasis. **International journal of Biological Macromolecules**. 161: 656 – 665. <https://doi.org/10.1016/j.ijbiomac.2020.06.119> (**I.F – 7.7**)
67. Selvaraj Gopi, Abimannan Arulkumar, Arumugam Ganeshkumar, **Rajendran Rajaram**, Jose Manuel Miranda, Sadayan Paramasivam (2020). Heavy metals accumulation in seagrasses collected from Palk Bay, Southeastern India. **Marine Pollution Bulletin**. doi.org/10.1016/j.marpolbul.2020.111305. (**I.F – 5.3**)
68. Arun, G., **R. Rajaram*** and K. Kaleshkumar (2020). Additional description of the Algae Hydroid Hydrozoa: Leptothecata: Thyroscyphidae) from Palk Bay, India with insights into its ecology and genetic structure. **Journal of Threatened Taxa**. 12(8): 15852–15863. <https://doi.org/10.11609/jott.4590>
69. **Rajaram, R***, S. Rameshkumar, A. Anandkumar (2020). Health risk assessment and potentiality of green seaweeds on bioaccumulation of trace elements along the Palk Bay coast, Southeastern India. **Marine Pollution Bulletin**. 154: 111069. doi.org/10.1016/j.marpolbul.2020.111069. (**I.F. – 5.3**)
70. Eva Gnana Dhana Rani. S, Ganesh Kumar. A, Steplinpaulselvin. S, **Rajaram. R**, Silambarasan Tamil Selvan, Sharmila Lydia. I and Yong Chen (2020). Survival assessment of simple food webs for dye wastewater after photocatalytic degradation using SnO₂/GO nanocomposites under sunlight irradiation. **Science of the Total Environment**. <https://doi.org/10.1016/j.scitotenv.2020.137805>. (**I.F. – 8.2**).
71. Arun Ganesan, **Rajaram Rajendran***, Kaleshkumar Karunanidhi, Gayathri Nambirajan, Sivasudha Thilagar (2019). Synergistic effect of novel chitosan combined metformin drug on streptozotocin-induced diabetes mellitus rat. **International Journal of Biological Macromolecules**. [Doi.org/10.1016/j.ijbiomac.2019.10.270](https://doi.org/10.1016/j.ijbiomac.2019.10.270) (**I.F. – 7.7**).

72. **Rajaram, R*** and S. Rameshkumar (2019). Effects of different culture periods of commercial invasive red alga *Kappaphycus alvarezii* (Doty) Doty on plankton community structures in tropical marine environment, Southeast coast of India. **Regional Studies in Marine Science**. DOI: 10.1016/j.rsma.2019.100906 (**I.F. – 2.1**)

73. Krishnamurthy Mathivanan, Jayaraman Uthaya Chandirika, Thangavel Mathimani, Annadurai Vinothkanna, **Rajendran Rajaram***, and Gurusamy Annadurai (2019). Optimization, compositional analysis, and characterization of exopolysaccharides produced by multi-metal resistant *Bacillus cereus* KMS3-1. **Carbohydrate Polymers**. <https://doi.org/10.1016/j.carbpol.2019.115369> (**I.F. – 10.7**)

74. MelilaMamatchi, **Rajaram Rajendran***, Awaga Kwami Lumo, Mabozou Kpemissi, Agbere Sadikou, Gabriel Lazar, Kou'santa Amouzou (2019). Cardiovascular dysfunction and oxidative stress following human contamination by fluoride along with environmental xenobiotics (Cd & Pb) in the phosphate treatment area of Togo, West Africa. **Journal of trace elements in Medicine and Biology**. <https://doi.org/10.1016/j.jtemb.2019.07.002>. (**I.F. - 3.6**)

75. Rameshkumar, R., **R. Rajaram***, T. Muralisankar and N. Manickam (2018). Evaluation of antioxidant capacity of red algae *Kappaphycus alvarezii* from Mandapam Coast, Southeast coast of India. **Seaweed Research and Utilization**. 40 (1): 19 – 23.

76. Karunanidhi Kaleshkumar and **Rajendran Rajaram*** (2019). Analysis of mtCOI and 18S rRNA Sequence-Based Characterization of Recently Commercialized Marine Edible Pufferfishes. **Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.**, <https://doi.org/10.1007/s40011-019-01111-y>.

77. Vaikundamoorthy Ramalingam, Subramaniam Sundaramahalingam and **Rajendran Rajaram*** (2019). Size-dependent antimycobacterial activity of titanium oxide nanoparticles against Mycobacterium tuberculosis. **Journal of Materials Chemistry B**. 7: 4338 – 4346. DOI: 10.1039/c9tb00784a. (**I.F. – 6.1**)

78. Karunanidhi Kaleshkumar, **Rajendran Rajaram***, Nambirajan Gayathri, Thilagar Sivasudha, Ganesan Arun, Govindaraju Archunan, Balazs Gulyas, Parasuraman Padmanabhan (2019). Muscle extract of *Arothron immaculatus* regulates the blood glucose level and the antioxidant system in high-fat diet and

- streptozotocin induced diabetic rats. **Bioorganic Chemistry**, 90: 103072. doi.org/10.1016/j.bioorg.2019.103072 (**L.F. – 4.5**)
79. Ganeshkumar Arumugam, **Rajaram Rajendran***, Nasreen Syed Khaleelullah, Sharmila Ramanathan (2019). Anti-candidal and anti-virulence efficiency of selected seaweeds against azole resistance *Candida albicans*. **Biocatalysis and Agricultural Biotechnology**, 20: 101195. (**L.F. – 3.4**)
 80. Vaikundamoorthy Ramalingam, Duraisamy Mahamuni, **Rajaram Rajendran*** (2019). In vitro and in silico approaches of antibiofilm activity of 1-hydroxy-1-norresistomycin against human clinical pathogens. **Microbial Pathogenesis**. https://doi.org/10.1016/j.micpath.2019.05.021. (**L.F. - 3.3**).
 81. Anandkumara, A., R. Nagarajan, K. Prabakaran, Chua Han Bingc, **R. Rajaram**, Jian Li, Daolin Du (2019). Bioaccumulation of trace metals in the coastal Borneo (Malaysia) and health risk assessment. **Marine Pollution Bulletin**, 145: 56-66. (**L.F.- 5.3**) https://doi.org/10.1016/j.marpolbul.2019.05.002
 82. Ganeshkumar Arumugam and **Rajaram Rajendran*** (2019). Anti-candidal activity and synergetic interaction of antifungal drugs with differential extract of brown algae *Stocheospermum marginatus*. 19 (2019) 101145. **Biocatalysis and Agricultural Biotechnology**. https://doi.org/10.1016/j.bcab.2019.101145. (**L.F. – 3.4**)
 83. Rameshkumar, S., K. Radhakrishnan, S. Aanand and **R. Rajaram** (2019). Influence of physicochemical water quality on aquatic macrophyte diversity in seasonal wetlands. **Applied Water Science**. 09-12pp. (**L.F.- 5.7**)
 84. Vaikundamoorthy Ramalingam, Pandurangan Dhinesh, Subramaniam Sundaramahalingam and **Rajendran Rajaram*** (2019). Green fabrication of iron oxide nanoparticles using grey mangrove *Avicennia marina* for antibiofilm activity and *in vitro* toxicity. **Surfaces and Interfaces**. DOI10.1016/j.surfin.2019.01.008. (**L.F. – 5.7**)
 85. Ramalingam Vaikundamoorthy, Varunkumar Krishnamoorthy, Ravikumar Vilwanathan, **Rajaram Rajendran*** (2019). Production and structure elucidation of anticancer potential surfactin from marine actinomycete *Micromonospora marina*. **Process Biochemistry**. 78: 169 – 177. Doi.org/10.1016/j.probio.2019.01.002 (**L.F – 3.7**)

86. Arulkumar A., S. Paramasivam and **R. Rajaram*** (2019). Heavy metals accumulation in edible marine algae collected from Thondi coast of Southeast India. **Chemosphere**. <https://doi.org/10.1016/j.chemosphere.2019.01.007>. 221:856-862. **(I.F – 8.1)**

87. Vaikundamoorthy Ramalingam, Sakthivel Raja, Subramaniam Sundaramahalingam, **Rajendran Rajaram*** (2019). Chemical fabrication of graphene oxide nanosheets attenuates biofilm formation of human clinical pathogens. **Bioorganic Chemistry**, 83: 326-335. **(I.F – 4.5)**

88. Rameshkumar S and **R. Rajaram*** (2019). A Report of Diversity and Distribution of four non-indigenous red algae (Rhodophyceae) along the Tamil Nadu coast, Southeast coast of India. **Indian Journal of Geo-Marine Science**. 48(01):108-116. **(I.F. - 0.553)**.

89. Kaleshkumar, K., **R. Rajaram***, P. Purushothaman and G. Arun (2018). Morphological variations in marine pufferfish and porcupinefish (Teleostei: Tetraodontiformes) from Tamil Nadu, Southeastern coast of India. **Journal of Threatened Taxa**, 10(13): 12726 - 12737.

90. Jasmine, R., A. Ganesh Kumar and **R. Rajaram*** (2018). Probing the mechanism of the anti-diabetic potential of a terpenoid from *Elephantopus scaber* L., and Indian ethnomedicinal plant in STZ diabetic rats – *In vivo* and *in silico* analysis. **Indian Journal of Biochemistry & Biophysics**, 55: 384-388. **(I.F. – 1.476)**

91. Ganeshkumar, A, Arun G, Vinothkumar S, **Rajaram R*** (2018). Bioaccumulation and translocation efficacy of heavy metals by *Rhizophora mucronata* from tropical mangrove ecosystem, Southeast coast of India. **Ecohydrology and Hydrobiology**. doi.org/10.1016/j.ecohyd.2018.10.006 **(I.F. – 2.7)**

92. Sasikumar, M., A. Ganeshkumar, M N Chandrababha, **R. Rajaram**, Hari Krishna Rajan, N. Anant, P. Sivakumar (2018). Investigation of Antimicrobial activity of CTAB assisted hydrothermally derived Nano BaTiO₃. **Materials Research Express**, 6(2): doi.org/10.1088/2053-1591/aaee3b **(I.F. – 1.8)**

93. Balachandar, S and **R. Rajaram*** (2018). Influence of different diets on the growth, survival, fecundity and proximate composition of brine shrimp *Artemia franciscana* (Kellogg, 1906). **Aquaculture Research**. DOI: 10.1111/are.13882. **(I.F. – 1.9)**

94. Gayathri Nambirajan, Kaleshkumar Karunanidhi, Arun Ganesan, **Rajaram Rajendran**, Ruckmani Kandasamy, Abbirami Elangovana, Sivasudha Thilagar (2018). Evaluation of antidiabetic activity of bud and flower of *Avaram Senna* (Cassia auriculata L.) In high fat diet and streptozotocin induced diabetic rats. **Biomedicine & Pharmacotherapy**, 108: 1495 – 1506. Doi.org/10.1016/j.biopha.2018.10.007 **(I.F. – 6.9)**

95. Ramalingam, V. and **R. Rajaram*** (2018). 2-ethoxycarbonyl-2- β -hydroxy-a-nor-cholest-5-ene-4-one: Extraction, structural characterization, antimicrobial, antioxidant, anticancer and acute toxicity studies. **Steroids**, 140: 11-23. **(I.F. – 2.1)**

96. Ganeshkumar Arumugam, **Rajaram Rajendran***, Arun Ganesan, Rameshkumar Sethu (2018). Bioaccumulation and translocation of heavy metals in mangrove rhizosphere sediments to tissues of *Avicennia marina*- A field study from tropical mangrove forest. **Environmental Nanotechnology, Monitoring and Management**. doi.org/10.1016/j.enmm.2018.07.005.

97. Bharathi Dileepan, A.G., A. Ganesh Kumar, R. Mathumidh, **R. Rajaram** and Shameela Rajam (2018). Dinuclear Rectangular-Shaped Assemblies of Bis-Benzimidazolydine Salt Coordinated to Ag(I) and Cu(I) N-Heterocyclic Carbene Complexes and Their Biological Applications. **Chemical Papers**. doi.org/10.1007/s11696-018-0538-z. **(I.F. – 2.1)**

98. Anandkumarar. A, R. Nagarajan, K. Prabakaran, Chua Han Bing, and **R. Rajaram** (2018). Human health risk assessment and bioaccumulation of trace metals in fish species collected from the Miri coast, Sarawak, Borneo. **Marine Pollution Bulletin**, 133: 655 – 663. Doi.org/10.1016/j.marpolbul.2018.06.033 **(I.F. – 5.3)**

99. Bharathi Dileepan, AG, T. Daniel Prakash, A. Ganesh Kumar, P. Shameela Rajam, V. Violet Dhayabaran, **R. Rajaram** (2018). Isatin based macrocyclic Schiff base ligands as novel candidates for antimicrobial and antioxidant drug design: In vitro DNA binding and biological studies. **Journal of Photochemistry & Photobiology, B: Biology**. doi.org/10.1016/j.jphotobiol.2018.04.029 **(I.F. – 3.9)**.

100. **Rajendran Rajaram***, Kulanthasamy Rakesh Kumar, Shanmugam Vinothkumar and Ephrime B. Metillo (2018). Prevalence of cymothoid isopods (Crustacea, Isopoda) and proximate analysis of parasites and their host fishes, Southeastern India. **Journal of Parasitic Diseases**. doi.org/10.1007/s12639-018-0995-x

101. Ramalingam Vaikundamoorthy, Varunkumar Krishnamoorthy, Ravikumar Vilwanathan, **Rajaram Rajendran*** (2018). p53 mediated transcriptional regulation of long non-coding RNA by 1-hydroxy-1-norresistomycin triggers intrinsic apoptosis in adenocarcinoma lung cancer. **Chemico-Biological Interactions**. doi.org/10.1016/j.cbi.2018.03.016. (**I.F. – 4.7**).
102. Ramalingam, V and **R. Rajaram*** (2018). Enhanced antimicrobial, antioxidant and anticancer activity of *Rhizophora apiculata*: an experimental report. **3 Biotech**. doi.org/10.1007/s13205-018-1222-2. (**I.F. – 2.6**).
103. Masthivanan Krishnamurthy, **Rajaram Rajendran*** and Annadurai Gurumurthy (2018). Biosorption potential of *Lysinibacillus fusiformis* KMNTT-10 biomass in removing lead (II) from aqueous solutions. **Separation Science and Technology**. doi.org/10.1080/01496395.2018.1442863 (**I.F. – 2.3**).
104. Vaikundamoorthy Ramalingam, Krishnamoorthy Varunkumar, Vilwanathan Ravikumar, **Rajendran Rajaram*** (2018). Target delivery of doxorubicin tethered with PVP stabilized gold nanoparticles for effective treatment of lung cancer. **Scientific Reports**. 8: 3815. DOI:10.1038/s41598-018-22172-5 (**I.F. – 3.8**).
105. Vaikundamoorthy Ramalingam, **Rajendran Rajaram***, Selvaraju Ananth, Moorthy Kaviyaran and Perumal Santhanam (2018). Development of thermostable amylase enzyme from *Bacillus cereus* for potential antibiofilm activity. **Bioorganic Chemistry**. 77: 494–506. doi.org/10.1016/j.bioorg.2018.02.014. (**I.F. – 4.5**)
106. Vaikundamoorthy Ramalingam, Krishnamoorthy Varunkumar, Vilwanathan Ravikumar, **Rajendran Rajaram*** (2018). Structural characterization and anticancer activity (MCF7 and MDA-MB-231) of polysaccharides fractionated from brown seaweed *Sargassum wightii*. **International Journal of Biological Macromolecules**. 111: 1229–1237. doi.org/10.1016/j.ijbiomac.2018.01.125 (**I.F. – 7.7**)
107. Ganeshkumar Arumugam, Vinothkumar Shanmugam, **Rajaram Rajendran***, Rameshkumar Sethu and Mathivanan Krishnamurthy (2018). Flow of toxic metals in food-web components of tropical mangrove ecosystem, Southern India. **Human and Ecological Risk Assessment: An International Journal**. Doi.org/10.1080/10807039.2017.1412819 (**I.F. -3.0**)

108. Balasubramanian, V., **R. Rajaram***, S. Palanichamy, G. Subramanian, K. Mathivanan and A. Pugazhendhi. (2018). Lanosterol expressed bio-fouling inhibition on Gulf of Mannar coast, India. **Progress in Organic Coating**. 115: 100-106. (**I.F.-6.5**). doi.org/10.1016/j.porgcoat.2017.11.009
109. Steplin Paul Selvin, S. A. Ganesh Kumar, L. Sarala, **R. Rajaram**, A. Sathiyar, J. Princy Merlin and I. Sharmila Lydia (2018). Photocatalytic Degradation of Rhodamine B Using Zinc Oxide Activated Charcoal Polyaniline Nanocomposite and Its Survival Assessment Using Aquatic Animal Model. **ACS Sustainable Chemistry & Engineering**. 6:258-267 DOI: 10.1021/acssuschemeng.7b02335. (**I.F. – 8.4**).
110. Pitchiah Sivaperumal, Kannan Kamala and **Rajendran Rajaram** (2017). Adsorption of Cesium ion by marine actinobacterium Nocardia sp. 13H and their Extracellular Polymeric Substances (EPS) role in Bioremediation. **Environmental Science and Pollution Research** <https://doi.org/10.1007/s11356-017-0818-0>.
111. Anandkumar, A., R. Nagarajan, K. Prabakaran, and **R. Rajaram** (2017). Trace metal dynamics and risk assessment in the commercially important marine shrimp species collected from the Miri coast, Sarawak, East Malaysia. **Regional Studies in Marine Science**, 16: 79-88. (**I.F. – 2.1**).
112. Sivaperumal, P., K. Kamala and **R. Rajaram** (2017). Biosorption of long half-life radionuclide of Strontium ion (Sr²⁺) by marine actinobacterium Nocardia sp. 13H. **Geomicrobiology Journal**, DOI: 10.1080/01490451.2017.1350891 (**I.F – 2.2**)
113. **Rajaram, R***, A. Maruthamuthu and Ephraim B. Metillo (2017). Fatty Acid Profiling of Commercially Important Raw and Boiled Seer Fish Scomberomorus commerson (Lacepede, 1800) (Scombridae, Teleostei, Pisces). **Proc Zool Soc.**, (DOI 10.1007/s12595-017-0222-2)
114. Kaleshkumar, K., **R. Rajaram***, P. Dhinesh and A. Ganeshkumar (2017). First report on distribution of heavy metals and proximate analysis in marine edible puffer fishes collected from Gulf of Mannar Marine Biosphere Reserve, South India. **Toxicology Reports**. 4: 319 – 327. (<http://dx.doi.org/10.1016/j.toxrep.2017.06.004>)
115. **Rajaram, R***, A. Ganeshkumar, S. Vinothkumar and S. Rameshkumar (2017). Multivariate statistical and GIS-based approaches for toxic metals in tropical mangrove

- ecosystem, Southeast coast of India. **Environmental Monitoring and Assessment**. DOI 10.1007/s10661-017-5980-9 (**LF – 2.9**)
116. Ramalingam, V., S. Revathidevi, T.S. Shanmuganayagam, L. Muthulakshmi and **R. Rajaram*** (2017) Gold nanoparticles induces mitochondria-mediated apoptosis and cell cycle arrest in non-small cell lung cancer cells. **Gold Bulletin**. 50(2): 177-189. doi 10.1007/s13404-017-0208-x. (**LF – 2.1**)
 117. Ramalingam, V., Dhanasundari, S., Nithiya, P. and **Rajaram, R*** (2017). Catalytic degradation of methyl orange using nanosilver and its phytotoxicity evaluation. **Indian Journal of Chemical Technology**. 24: 336-343 . (**LF – 0.76**)
 118. Dinesh Kumar, S., S. Ananth, P. Santhanam, K. Kaleshkumar and **R. Rajaram** (2017). First record of marine phytoplankton, *Picochlorum maculatum* in the Southeastern coast of India. **Indian Journal of Geo-Marine Science**. 46(04): 791-796. (**LF – 0.553**)
 119. Arulkumar A., S. Paramasivam and **R. Rajaram** (2017). Toxic heavy metals in commercially important food fishes collected from Palk Bay, Southeastern India. **Marine Pollution Bulletin**. 119: 454 – 459 (**LF – 5.3**)
 120. Rameshkumar, S. and **R. Rajaram*** (2017). Experimental cultivation of invasive seaweed *Kappaphycus alvarezii* (Doty) Doty with assessment of macro and meiobenthos diversity from Tuticorin coast, Southeast coast of India. **Regional Studies in Marine Science**. 9: 117–125. <http://dx.doi.org/10.1016/j.rsma.2016.12.002>. (**LF. 2.1**).
 121. Rameshkumar S and **R. Rajaram*** (2016). Estimation of photosynthetic pigments of green and brown seaweeds in relation to primary productivity and nutrients of polluted coastal waters of Tuticorin coast, Gulf of Mannar, Southeast coast of India. **Seaweed Research and Utilization** 38(2): 24 – 29.
 122. Rameshkumar. S., P. Prabhakaran, K. Radhakrishnan and **R. Rajaram*** (2018). Accumulation of Heavy Metals in Some Marine Fisheries Resources Collected from Gulf of Mannar Marine Biosphere Reserve, Southeast Coast of India. **Proc Zool Soc**. DOI 10.1007/s12595-016-0205-8

123. Mathivanan, K., **R. Rajaram***, V. Balasubramanian and G. Annadurai (2016). Removal of Cd(II) and Cu(II) from Aqueous Solutions by *Pseudomonas stutzeri* KMNTT-01 Biomass. **Environmental Process**. DOI 10.1007/s40710-016-0193-8
124. Ramalingam, V., K. Varunkumar, V. Ravikumar and **R. Rajaram*** (2016). Development of glycolipid biosurfactant for inducing apoptosis in HeLa cells. **RSC Advances**, 6: 64087–64096. **(I.F – 3.9)**
125. Ramalingam, V., Revathidevi, S., Varunkumar, K., Ravikumar, V. and **Rajaram, R***. (2016). Marine steroid derived from *Acropora formosa* enhances the mitochondrial mediated apoptosis pathway in non-small cell lung cancer cell lines. **Tumor Biology**, DOI: 10.1007/s13277-016-4947-8
126. Ramalingam, V., Revathi Devi, S., Shanmuganayagam, T., Muthulakshmi, L. and **Rajaram, R***. (2016). Biogenic gold nanoparticles induces oxidative stress and sensitizes mitochondrial membrane in A549 lung cancer cells. **RSC Advances** DOI: 10.1039/C5RA26781A. **(I.F – 3.9)**
127. Ramalingam, V. and **Rajaram, R***. (2016). Antioxidant activity of 1-hydroxy-1-norresistomycin derived from *Streptomyces variabilis* KP149559 and evaluation of toxicity against Zebra Fish *Danio rerio*. **RSC Advances**, 6: 16615-16623. **(I.F – 3.9)**
128. Mathivanan, K., **R. Rajaram*** and V. Balasubramanian (2015). Biosorption of Cd(II) and Cu(II) ions using *Lysinibacillus fusiformis* KMNTT – 10: Equilibrium and kinetic studies. **Desalination and Water Treatment**. 1-12pp doi: 10.1080/19443994.2015.1129508. **(I.F – 1.0)**
129. Balasubramanian, V, **R. Rajaram*** and P. Rajesh (2015). Antifouling potentials of mangrove *Rhizophora apiculata* against *Vibrio alginolyticus* strain VBM-01. **Indian Journal of Geo Marine Science**, 44(10): 1654-1661. **(I.F. - 0.553)**
130. Kaleshkumar, K, **R. Rajaram***, S. Vinothkumar, V. Ramalingam, Khangembam Brajamani Meetei (2015). DNA Barcoding of puffer fishes (Order: Tetraodontiformes) of Pondicherry coastal waters. **Indian Journal of Fisheries**. 62(2): 98-103 **(I.F.-0.5)**
131. Kamala, K., P. Sivaperumal, R. Gobalakrishnan, N.S. Swarnakumar, **R. Rajaram***. (2015). Isolation and characterization of biologically active alkaloids from marine

- actinobacteria *Nocardiopsis* sp. NCS1. **Biocatalysis and Agricultural Biotechnology**. 4: 63-69 <http://dx.doi.org/10.1016/j.bcab.2014.10.005i>.
132. Sivaperumal, P., K. Kamala and **R. Rajaram** (2014). Bioactive DOPA-melanin isolated and characterized from a marine actinobacterium *Streptomyces* sp. MVCS6 from Versova Coast. **Natural Product Research**. DOI:10.1080/14786419.2014.988712 (**I.F-1.9**)
 133. Sivaperumal, P., K. Kamala, **R. Rajaram** and Saurabh S Mishra (2014). Melanin from marine *Streptomyces* sp. (MVCS13) with potential effect against ornamental fish pathogen *Carassius auratus* (Linnaeus, 1758). **Biocatalysis and Agricultural Biotechnology**. 3: 134-141. <http://dx.doi.org/10.1016/j.bcab.2014.09.007>
 134. **Rajaram R***, S. Ramesh, S. Dam Roy, MA Badhul Haq and V. Ramalingam (2014). Abundance of anemone fishes in North Bay Island and mass culture of live food organisms for their larval rearing. **Journal of Fisheries**, 2(3): 173-179. (**I.F-0.6**).
 135. Sengol Jenifer S, V. Balasubramanian and **R. Rajaram*** (2014). Chemical characterization and bioactivity evaluation of bacteriocin from marine biofilm-forming bacteria. **African Journal of Microbiology Research**. Vol 8(41):3617-3624. (ISSN 1996- 0808)
 136. Ramalingam, V and **R. Rajaram*** (2014). Phylogenetic and genetic analysis of Scleractinia corals using mitochondrial Co1 sequences – A bioinformatic approach. **World Journal of Zoology**. 9(3)197-207
 137. Ramalingam, V., N. Thirunavukkarasu, Nissy Chandy and **R. Rajaram*** (2014). Proximate composition of trash fishes and their utilization as organic amendment for plant growth. **Journal of Marine Biological Association of India**. 56(2): doi: 10.6024/jmbai.2014.56.2.01780A-02)
 138. Mathivanan, K and **R. Rajaram*** (2014). Tolerance and biosorption of cadmium (II) ions by highly cadmium resistant bacteria isolated from industrially polluted estuarine environment. **Indian Journal of Geo Marine Science**. 43(4): 580-588 (**I.F. – 0.553**)
 139. Mathivanan, K and **R. Rajaram*** (2014). Isolation and characterization of the cadmium resistant bacteria from industrially polluted coastal ecosystem, Southeast coast of India.

Chemistry and Ecology, 30(7): 622-635. doi.org/10.1080/02757540.2014.889125.
(**I.F.-1.3**)

140. Mathivanan, K and **R. Rajaram*** (2013). Anthropogenic influences on toxic metals in water and sediment samples collected from industrially polluted Cuddalore coast, Southeast coast of India. **Environ Earth Sci.**, 72:997–1010. DOI 10.1007/s12665-013-3017-4 (**I.F. – 2.8**)
141. Ramalingam, V., **R. Rajaram***, C. Premkumar., P. Santhanam, P. Dhinesh, S. Vinothkumar and K. Kaleshkumar (2013). Biosynthesis of silver nanoparticles from deep sea bacterium *Pseudomonas aeruginosa* JQ989348 for antimicrobial, antibiofilm and cytotoxic activity. **Journal of Basic Microbiology**. 53, 1–9. DOI 10.1002/jobm.201300514. (**IF – 3.5**)
142. **Rajendran Rajaram***, Jamaldeen Sumitha Banu and Krishnamurthy Mathivanan (2013). Biosorption of Cu (II) ions by indigenous copper-resistant bacteria isolated from polluted coastal environment. **Toxicological & Environmental Chemistry**. 95(4):590–604 DOI:10.1080/02772248.2013.801979 (**I.F. 1.1**)
143. Ramalingam, V, **R. Rajaram*** and V. Suresh (2013). Secondary structure prediction of Scleractinia corals: a proteomic approach. **Indian Journal of Geo Marine Science**, 43(4): 503-509. (**I.F. – 0.553**)
144. Prabhakaran, S., **R. Rajaram***, V. Balasubramanian and V. Mathivanan. (2012). Antifouling potential of extracts from seaweeds, seagrasses and mangroves against primary biofilm forming bacteria. **Asian Pacific Journal of Tropical Biomedicine**. 2012: S316-S322. (**IF. 1.7**)
145. Badhul Haq, M.A., K. Kalai Priya, R. Rajaram and R.Vignesh (2012). Real time PCR quantification of WSSV infection in specific pathogen free (SPF) *Litopenaeus vannamei* (Boone, 1931) exposed to antiviral nucleotide. **Asian Pacific Journal of Tropical Biomedicine**, 2012: 1-10. (**IF. 1.7**)
146. Balasubramanian, V., S. Palanichamy., G. Subramanian and **R. Rajaram*** (2012). Development of polyvinyl chloride biofilms for succession of selected marine bacterial populations. **Journal of Environmental Biology**, 33: 57-60. (**I.F.-0.7**)

147. Balasubramanian, V., S. Palanichamy. and **R. Rajaram*** (2011). Effects of certain seaweed extracts on the preliminary bio-film forming bacteria. **Journal of Marine Biological Association of India**. 53(1): 104-110.
148. Origanti D Rakesh, Rajiv Pathak, Atlar Singh Dhaker, Rajesh Arora, Raj Kumar, R. **Rajaram*** and Hemant K Gautam (2011). Isolation, characterization and bioactivity of deep-sea bacteria with special reference to induction of antibacterial and antioxidant metabolites following gamma irradiation. **Canadian Journal of Pure and Applied Sciences**. 5(1): 1363-1370
149. **Rajaram, R***. and T. Nedumaran (2009). Ichthyofaunal diversity in Great Nicobar Biosphere Reserve, Bay of Bengal. **Journal of Threatened taxa**. 1(3): 166-169
150. **Rajaram, R***, M. Srinivasan, S. Ajmal Khan, L. Kannan, D.V. Rao and Kamala Devi (2007). New records of two eel fishes from Andaman and Nicobar Islands. **J. Bombay Nat. Hist. Soc.**, 104 (2): 228-229
151. **Rajaram, R***, M. Srinivasan and M. Rajasegar (2005). Seasonal distribution of physico-chemical parameters in effluent discharge area of Uppanar estuary, Cuddalore, Southeast coast of India. **Journal of Environmental Biology**, 26(2), 291-297. (**I.F.-1.0**)
152. **Rajaram, R***, M. Srinivasan, S. Ajmal Khan and L. Kannan (2004). Ichthyofaunal diversity in Great Nicobar Island, Bay of Bengal. **Journal of the Indian Fisheries Association**, 31: 13 – 26.
153. Rajasegar, M., M. Srinivasan and **R. Rajaram*** (2000). Phytoplankton biodiversity after shrimp farm developments in Vellar estuary. **Seaweed Research and Utilization Association**. 22(1&2):125-131.

Book chapters

154. Partheeban Charles Emmanuel and **Rajendran Rajaram** (2024). Microplastic pollution in marine sea salts. In Book: Meso and Microplastic Risk Assessment in Marine Environment. Edited by: Selvam Sekar, Senapathi Venkatramanan, Chidambaram Sabarathinam, Prasanna Mohan Viswanathan. 1st Edition, Elsevier. ISBN: 9780323909808

155. Kolandhasamy Prabhu, Partheeban Emanuel Charles, Khalida Jabeen Kattak, **Rajendran Rajaram** (2024). Adsorption of heavy metals on microplastics in the marine environment. In Book: Meso and Microplastic Risk Assessment in Marine Environment. Edited by: Selvam Sekar, Senapathi Venkatramanan, Chidambaram Sabarathinam, Prasanna Mohan Viswanathan. 1st Edition, Elsevier. ISBN: 9780323909808.
156. Partheeban Charles Emmanuel, Vethanayaham Jebashalomi and **Rajendran Rajaram** (2024). Present advances in strategies to mitigate the microplastics contamination. In Book: Meso and Microplastic Risk Assessment in Marine Environment. Edited by: Selvam Sekar, Senapathi Venkatramanan, Chidambaram Sabarathinam, Prasanna Mohan Viswanathan. 1st Edition, Elsevier. ISBN: 9780323909808
157. Sivaperumal, P., K. Kamala, W. Richard Thilagaraj, C. Gopalakrishnan, and **R. Rajaram** (2020). Applicability of Agro Waste for Remediation of Chemical Contaminants in Water. By products from Agriculture and Fisheries: Adding Value for Food, Feed, Pharma, and Fuels, First Edition. Edited by Benjamin K. Simpson, Alberta N.A. Aryee, and Fidel Toldrá. © 2020 John Wiley & Sons Ltd. Published 2020 by John Wiley & Sons Ltd. ISBN:978-1-119-38397-0
158. **Rajaram, R*** (2019). DNA Barcoding Techniques –DNA isolation, quantification and amplification. Training manual on Taxonomic identification of coastal and oceanic copepods (TICOC 2019). Volume 2. Pp 84-95. 978-93-87354-17-3. 978-93-87354-17-3. Jami Publications
159. **Rajaram, R*** (2019). DNA Barcoding protocols – Sampling, preservation, voucher specimen records and BOLD submission. Training manual on Taxonomic identification of coastal and oceanic copepods (TICOC 2019). Volume 2. Pp 84-95. 978-93-87354-17-3. 978-93-87354-17-3. Jami Publications
160. **Rajaram, R*** and K. Kaleshkumar (2018). DNA Barcoding techniques – DNA isolation, quantification and amplification. Training manual on Taxonomic identification of coastal and oceanic copepods (TICOC 2018). Jami Publications, Trichy 23. ISBN: 978-93-87354-17-3.
161. Pitchiah Sivaperumal, Kamala Kannan, **R. Rajaram** (2018). Encyclopedia of Marine Biotechnology: Marine Microorganisms-Tools for Radionuclides Bioremediation. In book: Encyclopedia of Marine Biotechnology Publisher: Wiley / Blackwell

162. Kamala Kannan, Pitchiah Sivaperumal, **R. Rajaram** et al. (2018). Marine Actinobacteria as a source for Emerging Biopharmaceuticals. In book: Encyclopedia of Marine Biotechnology: 3.1 Microbiology Publisher: Editor: Se-Kwon Kim, Wiley / Blackwell
163. Kamala Kannan, Pitchiah Sivaperumal, **R. Rajaram** et al. (2018). Marine Actinobacteria as a source for Emerging Biopharmaceuticals. In book: Encyclopedia of Marine Biotechnology:3.1 Microbiology. Wiley / Blackwell. Wiley / Blackwell. ISBN: 978-1-119-14377-2
164. Pitchiah Sivaperumal, Kamala Kannan, Ajit Ambekar (...) and **R. Rajaram** (2018). Health Risk assessment for Radionuclide contamination in Seafood. In book: Encyclopedia of Marine Biotechnology: Health Risk Publisher: Editor: Se-Kwon Kim, Wiley / Blackwell
165. **R. Rajaram*** and A. Ganeshkumar (2018). Anthropogenic influence of heavy metal pollution in southeast coast of India - current scenario. Coastal Zone Management: Global Perspectives, Regional Processes, Local Issues (Editors: Mu. Ramkumar, R. Arthur James, David Menier, K. Kumaraswamy). Elsevier
166. Rameshkumar, S and **R. Rajaram*** (2018). Impact of Seaweed farming on Socio-economic development of fisher folk in Palk Bay, Southeast coast of India. Coastal Zone Management: Global Perspectives, Regional Processes, Local Issues (Editors: Mu. Ramkumar, R. Arthur James, David Menier, K. Kumaraswamy). Elsevier
167. Pitchiah Sivaperumal, Kannan Kamala, **R. Rajaram** (2017). Bioremediation of Industrial Waste Through Enzyme Producing Marine Microorganisms. Marine Enzymes Biotechnology: Production and Industrial Applications. DOI: 10.1016/bs.afnr.2016.10.006. Taylor and Francis.
168. V. Balasubramanian, P. Rajesh, **R. Rajaram** and V. Rajesh Kannan (2015). A Review on Rhizophora Genus: Therapeutically Important Perspective Phytochemical Constituents. Bioactive Phytochemicals: Perspectives for Modern Medicine. (3): 211-234
169. **Rajaram, R***, K. Mathivanan and Origanti D. Rakesh. Bioremediation of cadmium pollution – A bacteriological approach. Bacterial Biochemistry and Biotechnology. LAMBERT Academic Publishing. ISBN: 978-3-8473-7867-9. Pp. 130 – 143

170. **Rajaram, R*** and S. Murugan. 2012. Ichthyofaunal diversity in Great Nicobar Biosphere Reserve. Ecology of Faunal Communities on the Andaman and Nicobar Islands. [DOI 10.1007/978-3-642-28335-2-7] Pp. 103 – 116.
171. Rakesh Kumar, K., S. Parthasarathy and **R. Rajaram*** (2013). Distribution and abundance of the marine fish parasite from Coromandel Coast of Tamil Nadu. Ecology and Conservation of Tropical Marine Faunal Communities. Book ISBN: 978-3-642- 38199-7. Springer
172. **Rajaram, R*** (2011). DNA Barcoding. Advances in Biosciences. Naveena Publications. ISBN No. 978-81-908597-2-1. PP. 97-111
173. **Rajaram, R*** and S. Devendran (2013). Ichthyofauna as a tool to Assess the Heavy Metal Pollution in the Cuddalore Coast, Southeast India. On a Sustainable Future of the Earth's Natural Resources, Springer Earth System Sciences, DOI 10.1007/978-3-642-32917-3_23. Pp. 411-424.

Books published

174. Singaravel, A., G. Archunan and **R. Rajaram** (2011). Advances in Biosciences.. Published by UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli – 620 023. [ISBN No. 978-81-908597-2-1]
175. **Rajaram, R***, M.A. Badhul Haq and S. Vinothkumar (2012). Ichthyofaunal diversity in Great Nicobar Island, East Coast of India. LAMBERT Academic Publishing GmbH & Co. KG and licensors, Germany [ISBN: 978-3-8484-0357-8]
176. **Rajaram, R*** (2012). Training manual on “National training cum workshop on DNA barcoding of fish and marine life – molecular analysis and bioinformatics approaches” Organized by Department of Marine Science, Bharathidasan University, Tiruchirappalli – 620 024, Tamil Nadu during Sept. 12-14, 2012. PP. 103.

*** Corresponding author**

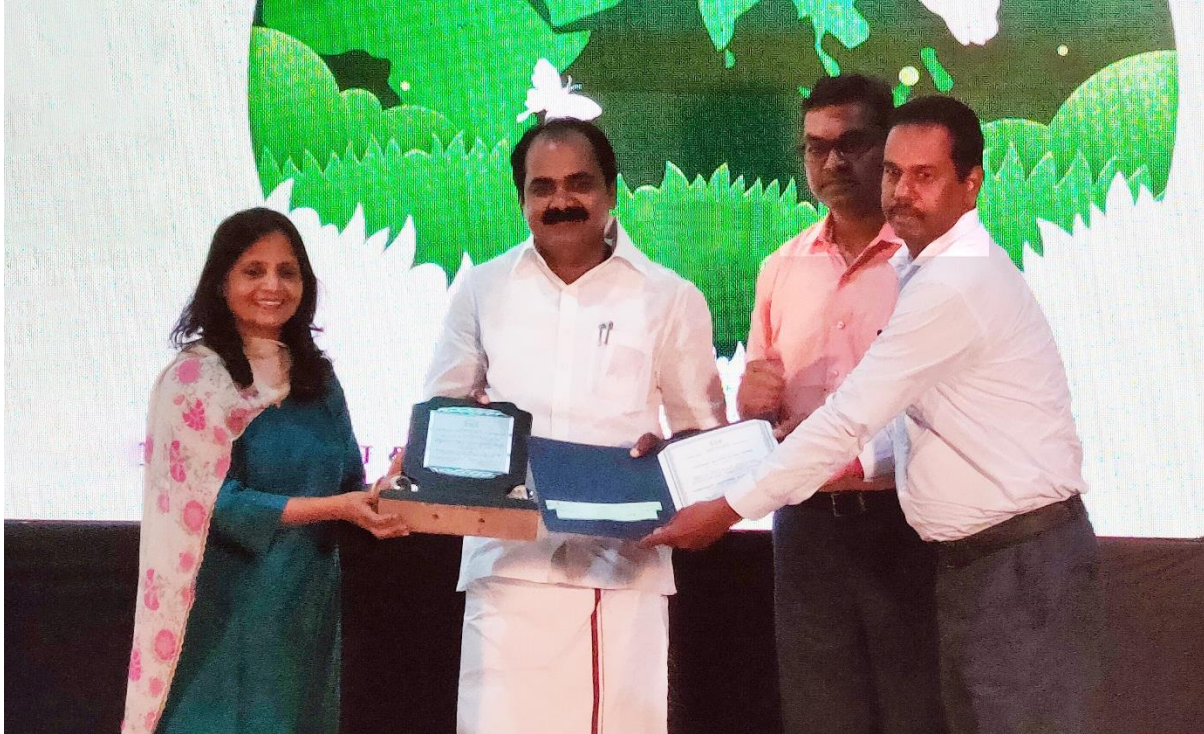
Last updated: August 2024

ACHIEVEMENTS PHOTO GALLERY

BEST ENVIRONMENTAL RESEARCH PAPER AWARD 2020

DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE

GOVERNMENT OF TAMIL NADU, CHENNAI – 600 015



Supriya Sahu IAS, Additional Chief Secretary to Government, Department of Environment and Climate Change, Government of Tamil Nadu; Honorable Minister Thiru. Siva. V. Meyyanathan, Department of Environment and Climate Change, Government of Tamil Nadu; Thiru. Deepak S. Bilgi I.F.S., Director, Department of Environment and Climate Change, Government of Tamil Nadu; and Dr. R. Rajaram, Associate Professor, Department of Marine Science, Bharathidasan University, Tiruchirappalli (from left to right)


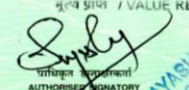


**PARTICIPATED IN INDIAN ARCTIC EXPEDITION 2023-2024
(SUMMER BATCH 03 – July to August 2023)**



BEST ENVIRONMENTAL RESEARCH PAPER AWARD WITH CASH PRIZE - 2020



 भारतीय स्टेट बैंक State Bank of India Main Branch SAIDAPET BAZAAR(CHENNAI) कोड नं. / CODE No. 02266 Tel No. 044-24363114	DEMAND DRAFT Key. VOLGEN Sr. No. 143658	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">2</td> <td style="width: 10%;">6</td> <td style="width: 10%;">0</td> <td style="width: 10%;">5</td> <td style="width: 10%;">2</td> <td style="width: 10%;">0</td> <td style="width: 10%;">2</td> <td style="width: 10%;">3</td> </tr> <tr> <td colspan="8" style="text-align: center;">U U M M Y Y Y Y</td> </tr> </table>	2	6	0	5	2	0	2	3	U U M M Y Y Y Y							
2	6	0	5	2	0	2	3											
U U M M Y Y Y Y																		
मागे जाणवत DR.R RAJARAM		राज रमण जाटवत पर																
ON DEMAND PAY रुपय RUPEES Fifteen Thousand Only		OR ORDER																
IOI 00042589/115 Name of Applicant		अदा करें ₹ 15000.00																
Key. VOLGEN Sr. No. 143658 BR PARKING A/C WITH INB-02266 SBI		मूल्य प्राप्त / VALUE RECEIVED  आधिकृत हस्ताक्षर / AUTHORIZED SIGNATORY शुभा प्रबंधक / BRANCH MANAGER																
भारतीय स्टेट बैंक STATE BANK OF INDIA अदकती शाखा / DRAVEE BRANCH BHARATHIDASANA UNIVERSITY		कंप्यूटर द्वारा मुद्रित होने पर ही वैध VALID ONLY IF COMPUTER PRINTED																
केवल 3 महीने के लिए ही वैध VALID FOR 3 MONTHS ONLY		₹ 150,000/- एवं अधिक के दस्तावेजों को अतिरिक्त शाखा प्रमुख द्वारा हस्ताक्षरित होने पर ही वैध है। INSTRUMENTS FOR ₹ 150,000 & ABOVE ARE NOT VALID UNLESS SIGNED BY TWO OFFICERS																
॥ 897 1 15 ॥ 00000 20000: 0004 25 ॥ 16																		

PARTICIPATED IN INDIAN ARCTIC EXPEDITION 2019-2020
(SUMMER BATCH May – June 2020)



ARCTIC FIELD ACCESS PHOTO GALLERY

