

Dr.C.M. RAMAKRITINAN

ASSISTANT PROFESSOR & HEAD

Department of Marine & Coastal Studies

School of Energy, Environment & Natural Resources



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

Professional Experience : Teaching : 16 Years ; Research : 24 Years

FIELD OF SPECIALIZATION

- Aquatic Ecotoxicology and Pollution
- Coral Reef Ecology
- Marine Molecular Taxonomy
- Marine Biotechnology
- Socioeconomics

RESEARCH SPECIALIZATION

- Aquatic Ecotoxicology & Pollution
- Coral Reef Ecology & Ocean Acidification
- Marine Molecular Taxonomy
- Marine Biotechnology,
- Socioeconomics

Research Supervision:

Program	Completed	Ongoing
Ph.D.	6	5
M.Phil.	5	0

PROFESSIONAL EXPERIENCE

No	Institution	Position	From (date)	To (date)	Duration
1.	Department of Marine & Coastal Studies, Madurai Kamaraj University, Madurai	Head	11-08-2017	Till date	1 Year
2.	Department of Marine & Coastal Studies, Madurai Kamaraj University, Madurai	Team-in-Charge	10-08-2014	10-08-2017	2 years
3.	Department of Marine & Coastal Studies, Madurai Kamaraj University, Madurai	Assistant Professor	01-04-2009	Till date	10 years
4.	Centre for Marine & Coastal Studies, Madurai Kamaraj University, Madurai	Lecturer	06-12-2007	31-03-2019	1 year & 4 months
5.	Centre for Marine & Coastal Studies, Madurai Kamaraj University, Madurai	Research Associate, DOD-ICMAM Project	14-02-2003	05-12-2007	4 years & 10 months
6.	Centre for Marine & Coastal Studies, Madurai Kamaraj University, Madurai	Research Associate, Planning Commission Project	23-03-2001	12-02-2003	1 year & 11 months
7.	Centre for Marine & Coastal Studies, Madurai Kamaraj University, Madurai	Resource Person Madurai Kamaraj University, Madurai	17-07-2000	22-03-2001	8 months
8.	Centre for Marine & Coastal Studies, Madurai Kamaraj University, Madurai	Project Associate, World Bank Project, IOM Anna University, Chennai	01-09-1999	31-01-2000	5 months
9.	Centre for Marine & Coastal Studies, Madurai Kamaraj University, Madurai	Project Assistant IOC/UNESCO, GCRMN SOUTH ASIA, Sri Lanka	09-09-1988	28-02-1999	6 months
10.	K.R. Marine Farm, Konduru Village, Nellore District, Andhra Pradesh	Technical Officer cum Farm-in-charge (Research & Development)	22-06-1994	30-08-1998	4 years & 2 months
11.	P.G. & Res. Dept. of Zoology A.P.A. College of Arts & Culture, Palani, Madurai Kamaraj University	Technical Assistance (TNSCST Project, Madras)	01-03-1991	16-10-1991	6 months

RESEARCH COLLABORATION (BOTH NATIONAL & INTERNATIONAL)

Name of the Collaborator	Institute	Collaboration Details	Collaboration Output (Papers/Patents/Research/Online)
Head	Ministry of Earth Sciences (ESSO-NIOT, MoES)	Sediment toxicity determination using Marine Ecotoxicological Testing.	Research
Trust Director	Gulf of Mannar Biosphere Reserve Trust (GOMBRT, Ramanathapuram)	Impact of ocean acidification on Calcification of Marine Shell-fishes of Gulf of Mannar.	Research
Head	Deutsche Gesellschaft für, Internationale Zusammenarbeit (GIZ) GmbH, Biodiversity Programme Office, A-2/18, Safdarjung Enclave, New Delhi - 110029, India	Review of Palk Bay, India.	Research

COMPLETED RESEARCH PROJECT

No	Title of the Project	Funding Agency	Total Grant (Rs.)	Year
1.	Coastal Water Quality Assessment: Effect of sewage effluents in the northern Gulf of Mannar coast using Microtox bioassay	UGC, New Delhi	11,04,512	3 years (2009-2012)
2.	Marine Ecotoxicology Studies for developing seawater quality criteria for coral reef ecosystem of Gulf of Mannar	Ministry of Earth Sciences, New Delhi	1,37,50,000	6 Years (2007-08 to 2013-14)
3.	Marine Litter in the Coastal and Coral Reef Environment of Gulf of Mannar	Ministry of Environment and Forests, New Delhi	21,47,981	3 years (2011-12 to 2014-15)
4.	Biosynthesis of gold nanoparticles from seaweed of Gulf of Mannar and their antimicrobial properties.	TNSCST & DBT Student Programme, TNSCST, Chennai	10,000	3 months
5.	Impact of ocean acidification on Calcification of Marine	GOMBRT, Ramanathapuram	10,40,137	3 Years (2014-15 to

	Shell-fishes of Gulf of Mannar and analyzing the changes taken place over the period of 3 years.			2016-17)
6.	Review of Palk Bay, Tamilnadu, India.	German Development Corporation (GIZ), New Delhi	6,42,000	5 months
7.	Molecular Diversity of Coral Zooxanthellae of Palk Bay Coast, India	Department of Biotechnology, New Delhi	44,20,756	3 Years & 6 months (July 2014 to Jan. 2018)

ON-GOING RESEARCH PROJECT

No	Title of the Project	Funding Agency	Total Grant (Rs.)	Year
1.	Toxicological impact of dredged marine sediment of Krishnapatnam Port"	ESSO-NIOT, MoES, Chennai,	8,28,800	From Sep. 2017 to March 2018

Overall Total Outlay

: Rs.242.0 Lakhs

HONORS/AWARDS/RECOGNITIONS

- **Merit Certificate: Appreciation of Contribution in Research and Development during the period from 1st Jan 2016 to 6th July 2017** on the occasion of 115th Birth Day Celebration of the Former Chief Minister of Tamil Nadu, Perunthalaivar Kamarajar.
- **Best Scientist Award –2016: Awarded by PEARL Foundation Educational Excellence Award to Higher Education in India 2016, Madurai**
- **International Training Fellowship, CRI, Bangkok, Thailand (2014 & 2017) -**
 - 1. Bangkok, Thailand(2014)** - Attended **International Training Course on Environmental Immunotoxicology and Reproductive Toxicology**, Chulabhorn Research Institute, International Centre for Environmental Health and Toxicology (ICEHT), with International Fellowship Award – From 20-10-2014 to 31-10-2014.
 - 2. Bangkok, Thailand (2017)** – Attended International Training Course on Environmental and Health Risk Assessment and Risk Management on Chemicals, Chulabhorn Research Institute, International Centre for Environmental Health and Toxicology (ICEHT), with International Fellowship Award **(05-12-2017 to 19-12-2017)**.
- Ministry of Earth Sciences-ICMAM, **Research Associate (2003 to 2007)**
- Planning Commission, **Research Associate (2001-2003)**
- World Bank Project, **Project Associate (Sep. 1999 to Jan. 2000)**
- IOC/UNESCO, GCRMN SOUTH ASIA, **Project Assistant(Sep. 1998 to Feb. 1999)**
- TNSCST, **Technical Assistant (Mar. to Oct. 1991)**
- ICAR, **Junior Research Fellowship (July 1987 to July 1990)**

PUBLICATIONS - 52

- **Ramakrishnan, M.**, Baskaran, P., Palanichamy, S. and Balasubramanian, M.P. 1987. Effects of eyestalk ablation on non-specific esterase activity in the freshwater field crab, *Paratelphusahydrodromus* (Hebst). **Nat. Acad. Sci. Lett.** **10(31): 109-111. (IF: 0.067) (ISSN: 0250-541X)**
- **Ramakrishnan, M.**, Malliga Devi, T., Arunachalam, S. and Palanichamy, S. 1991. Effects of pesticides: Decis and Coroban on the food utilization of *Cyprinus carpio* var. *communis*. **J. Ecotoxicol. Environ. Monit.** **1(1): 59-64. (ISSN: 0971-9065).**
- **Ramakrishnan, M.**, Arunachalam, S. and Palanichamy, S. 1997. Sublethal effects of pesticides on feeding energetic in an air breathing fish, *Channa striatus*. **J. Ecotoxicol. Environ. Monit.** **7(3): 169-175. (ISSN: 0971-9065).**
- **Ramakrishnan, M.**, Arunachalam, S. and Palanichamy, S. 1997. Sublethal effects of pesticides on the physiological Energetic of freshwater fish, *Oreochromis mossambicus*. **J. Ecotoxicol. Environ. Monit.** **7(4): 237-242. (ISSN: 0971-9065).**
- **Ramakrishnan, M.**, Elumalai, M., Jayakumar, R. and Balasubramanian, M.P. 1999. Phosphomonoesterase activity in different stages of *Moniezia expansa* (cestoda). **Cytobios.** **98: 71-75. (IF: 0.486)**
- **Ramakrishnan, M.**, Elumalai, M., Jayakumar, R. and Balasubramanian, M.P. 1999. Influence of distillery effluent on feeding energetics of freshwater fishes in relation to water temperature. **Cytobios.** **98: 175-187. (IF: 0.486)**
- Kannan, R., Kumaraguru, A.K., Sundaramahalingam, A., **Ramakrishnan, M.** and M. Rajee, 2001. Socioeconomic status of coral reefs resource users of Pamban region, Gulf of Mannar, South India. **Man in India**, **81(1&2): 103-121. (ISSN: 0025-1569)**
- Kumaraguru, A.K., R. Kannan, A. Sundaramahalingam, M. Rajee and **C.M. Ramakritinan**, 2003. Socioeconomic monitoring of Reef Resource users in Therespuram of Tuticorin, Gulf of Mannar, India. **South Asian Anthropologist.** **3(1): 27-44. (ISSN: 0257-7348).**
- Kumaraguru, A.K., K. Jayakumar and **C.M. Ramakritinan**. 2003. Coral bleaching 2002 in the Palk Bay, Southeast coast of India. **Current Science.** **85(12): 1787-1793. (IF: 0.694).**
- **Ramakritinan, C.M.**, A.K. Kumaraguru and M.P. Balasubramanian, 2005. Impact of Distillery effluent on Carbohydrate metabolism of freshwater fish, *Cyprinus carpio*. **Ecotoxicology:** **14, 693-707 (Online DOI: 10.1007/s10646-005-0019-3). (IF: 2.773)**
- Kumaraguru, A.K., Jayakumar, K., Jerald Wilson, J. and **Ramakritinan, C.M.** 2005. Impact of the Tsunami of 26th December 2004 on the Coral reef environment of Gulf of Mannar and Palk Bay in the southeast coast of India. **Curr. Sci.** **89(10): 1729-1741. (IF: 0.694)**
- Kumar, P., **C.M. Ramakritinan** and A.K. Kumaraguru. 2009. 16S rRNA Based Identification of *Aeromonas* sp., Kumar by Constructing Phylogenetic Tree and Identification of Regulatory Elements from the Harmful Red Tide Bloom, Gulf of Mannar. **International Journal of Oceans and Oceanography**, **3(1): 29-35. (ISSN 0973-2667)**
- Kumar, P., **C.M. Ramakritinan** and A.K. Kumaraguru. 2010. Solvent extraction and spectrophotometric determination of pigments of some algal species from the shore of Puthumadam, Southeast coast of India. **International Journal of Oceans and Oceanography**, **4(1): 29-34. (ISSN 0973-2667).**
- Manoj Singh, R.C. Kalaivani, M. Anand, **C.M. Ramakritinan** and A.K. Kumaraguru. 2011. Rapid biomimetic synthesis of silver nanoparticles from Asiatic mangrove (*Rhizophora mucronata*) and its antimicrobial activity against clinically isolated pathogens. Proceeding of International Conf. on Nanoscience, Engineering and Technology (ICONSET), 2011. Pp: 408-414 DOI: **10.1109/ICONSET.2011.6167990. (ISBN 978-1-4673-0071-1).**
- Kumar, P., **C.M. Ramakritinan** and A.K. Kumaraguru. 2011. Study on Regulatory Sites in 16S-rRNA Gene Promoters of Two Bacterial Strains, Isolated from Harmful Red Tide Bloom, Gulf of Mannar, South-East Coast of India, **Developmental Microbiology and Molecular Biology** **2(1):**

37-44. (ISSN 0976-5867)

- Anand, M., L. Karpagam, M. Maruthupandy, L. Palanikumar, **C.M. Ramakritinan** and A.K. Kumaraguru. 2011. Impact of Heavy Metal Stress and Some Physiological Response in *Vigna radiate* (L.) **Wilezek. IJEES. 1(2) June 2011.**
- **Ramakritinan, C.M.**, Rathishri Chandurvelan and A.K.Kumaraguru. 2012. Acute Toxicity of Metals: Cu, Pb, Cd, Hg and Zn on Marine Molluscs, *Cerithedia cingulata* G., and *Modiolus philippinarum* H. **Indian Journal of Marine Sciences 41(2): 141-145. (IF: 0.563)**
- Rameshkumar, S. & C.M.Ramakritinan. 2012. New Wetland: The Role in Conservation of Ethanomedicinal Plants at Ramnad District, Tamilnadu. **IJPRD, 4(09): 58-63.**
- Palanikumar, L., A.K.Kumaraguru, **C.M.Ramakritinan** and M.Anand. 2012. Biochemical response of anthracene and benzo [a] pyrene in milkfish *Chanos chanos*. **Ecotoxicol. Environ, Safety75: 187-197. (IF: 2.203)**
- Palanikumar, L., A.K.Kumaraguru, **C.M.Ramakritinan** and M.Anand. 2012. Genotoxic assessment of anthracene and benzo [a] pyrene to milkfish *Chanos chanos*. **Toxicological & Env. Chem., 94(2): 350-363.(ISSN 1029-0486).**
- Rameshkumar, S., **Ramakritinan, C.M.**, Eswaran, K. and M.Yokesh Babu. 2012. Proximate composition of some selected seaweeds from Palk Bay and Gulf of Mannar. **Asian J. Biomed. Pharmaceut. Sci., 3(16): 1-5.**
- Yokesh Babu, M., Raveendra Durgekar, V. Janaki Devi, **C.M. Ramakritinan** and A. K.Kumaraguru. 2012. Influence of ciriped barnacles *Chelonibia patula* (Ranzani) on commercial crabs from Gulf of Mannar and Palk bay coastal waters. **Res. Environ. Life Sci., 5(3) 109-116. (ISSN:0974-4908).**
- Kalaivani, R., R. Sujitha., M. Anand., C.M. Ramakritinan and A.K. Kumaraguru. 2012. Isolation and characterization of oil degrading bacteria from the Gulf of Mannar region. **Indo-Global Res. J. Pharma. Sci., 2(1): 222-224. (ISSN Online: 2249-4189).**
- Janaki Devi, V., N. Nagarani, M. Yokesh Babu, A.K. Kumaraguru and **C.M. Ramakritinan**. 2013. A study of proteotoxicity and genotoxicity induced by the pesticide and fungicide on marine invertebrate (*Donax faba*). **Chemosphere, 90: 1158-1166: 10.1016/j.chemosphere.2012.09.024(IF: 3.137)**
- Rameshkumar, S., M.Yokesh Babu, **C.M.Ramakritinan** and K.Eswaran. 2013. Ethanomedicinal studies of coastal medicinal plants in and around Mandapam coastal regions, Gulf of Mannar, Tamil Nadu. **IJPPAS, 2(1): 90-101.**
- Rameshkumar, S., Yokeshbabu, M., Eswaran, K. and **C.M. Ramakritinan**. 2013. Impact of *Bacillus thuringiensis* (Bt cotton) on ecological and microbial diversity. **Asian J. Plant Sci. Res., 3(1): 37-42.**
- Ramkumar.B, S. Venu, **C.M. Ramakritinan** and M. Jayasingh. 2013. Distribution and abundance of Marine Sponges (Porifera) of two unique study areas of South Andaman, India. **Asian J Mar. Sci. 1 (1): 17-23. (ISSN 2347-8179).**
- Palanikumar, L., A.K.Kumaraguru, **C.M.Ramakritinan** and M.Anand. 2013. Toxicity, Feeding Rate and Growth Rate Response to Sub-lethal Concentrations of Anthracene and Benzo [a] Pyrene in Milkfish *Chanos chanos* (Forskklal). **Bull. Environ. Contam. Toxicol., 90:60-68. DOI: 10.1007/s00128-012-0895-1. (IF: 1.105)**
- Palanikumar, L., A.K. Kumaraguru, **C.M. Ramakritinan** and M.Anand. 2013. Toxicity, biochemical and clastogenic response of chlorpyrifos and carbendazime in milkfish *Chanos chanos*. **International Journal of Environmental Science and Technology DOI 10.1007/s13762-013-0264-6 (IF: 1.84)**
- Palanikumar, L., A.K.Kumaraguru and **C.M.Ramakritinan**. 2013. Biochemical and Genotoxic response of naphthalene to fingerlings of milkfish *Chanos chanos*. **Ecotoxicology 22:1111-1122. (DOI 10.1007/s10646-013-1098-1) (IF: 2.773)**
- Yokesh Babu, M., V. Janaki Devi, **C.M. Ramakritinan**, R.Umarani, N.Nagarani and A.K.Kumaraguru. 2013. Biosynthesis of silver nanoparticles from seaweed associated marine

bacterium and its antimicrobial activity against UTI pathogens. **Int. J. Curr. Microbiol. App. Sci.**, **2(8): 155-168. (IF: 1.594).**

- Anitha Jothi, R., G. Umagowsalya, K. Duraikannu, B. Ramkumar, M. Santhanakrishnan and **C.M.Ramakritinan**. 2013. Isolation and characterization of microbes associated with White pox diseased coral (*Acroporidae*) from Palk bay, southeast coast of India. **Asian J Mar. Sci.** **1 (1): 27-30. (ISSN 2347-8179)**
- Rameshkumar, S. and **Ramakritinan, C.M.** 2013. Floristic survey of traditional herbal medicinal plants for treatments of various diseases from coastal diversity in Pudhukkottai Dist., Tamilnadu, **India. J. Coastal Life Medicine**, **1(3): 192-199. (ISSN 2309 6152).**
- Yokesh Babu, M., V. Janaki Devi, **C.M. Ramakritinan**, R. Umarani, Nayimabanu Taredahalli and A.K Kumaraguru. 2014. Application of biosynthesized silver nanoparticles in agricultural and marine pest control. **Current Nanoscience**, **10(3): 374-381**, DOI: **10.2174/15734137113096660103(IF: 1.356).**
- Yokesh Babu, M., Palanikumar, L., N. Nagarani, V. Janaki Devi, S. Ramesh Kumar, A.K.Kumaraguru and **C.M.Ramakritinan**. 2014. Cadmium and copper toxicity to three macroalgae: Evaluation of the biochemical responses and DNA damage. **Environmental Science and Pollution Research (Accepted) (IF: 2.618).**
- **Ramakritinan, C.M.**, M. Yokesh Babu, L. Palanikumar, L., T. Muneeswaran and A.K.Kumaraguru and 2014. Cytogenetic Effects of Chosen Heavy Metals to Marine Mussel, *Modiolus philippinarum* L. under Acute Stress. **International Journal of Marine Sciences.** **4(52): 1-9.**
- Anithajothi, R., N. Nagarani, G. Umagowsalya, K. Duraikannu and **C.M. Ramakritinan**. 2014. Screening, isolation and characterization of protease producing moderately halophilic microorganism *Halomonas meridian* associated with coral mucus. **Toxicol. & Environ. Chem.**, <http://dx.doi.org/10.1080/02772248.2014.925182>.
- Duraikannu, K., K. Shameem Rani, R. Anithajothi, G. Umagowsalya and C. M. Ramakritinan. 2014. In-vivo anticancer activity of red algae (*Gelidiella Acerosa* and *Acanthophora spicifera*). **Intr. J. Pharmaceut. Sci. Res.**, **5(8): 3347-3352. (IF. 0.533). E- ISSN: 0975-8232.**
- Anithajothi, R., K. Duraikannu, G. Umagowsalya, and **C.M. Ramakritinan**. 2014. The Presence of Biomarker Enzymes of Selected Scleractinian Corals of Palk Bay, Southeast Coast of India. **BioMed Research International**, (6 pages) <http://dx.doi.org/10.1155/2014/684874>.
- Arun Divakar, M., Velnathan Sudhamani, Sivakumar Shanmugam, T. Muneeswaran, Sembulingam Tamilzhalagan, **C.M. Ramakritinan** and Kumaresan Ganesan. 2015. Facile synthesis and characterization of bio-organometallic compounds and their biological activity contour against human pathogens. **RSC Adv.**, 5: 8362-8370. DOI: 10.1039/C4RA08737B. **(IF: 3.708).**
- Bharathi, N., C.M. Ramakritinan, K. Kolandaswamy. 2015. Geographical information system based study on Dengue and Chikungunya at Western Ghats districts, Tamil Nadu, India. **International Journal of Mosquito Research (IJMR)**, 2(2) In press **ISSN: 2348-5906.**
- Bharathi, N., S.Karthikayan, and **C.M.Ramakritinan**. 2015. Prevalence and risk factors of dengue vector infestation in schools at Dindigul, Tamil Nadu, India **International Journal of Fauna and Biological Studies (IJFBS)**, 2 (2): 38-42. **(ISSN Online: 2347-2677).**
- Bharathi, N., S.Karthikayan and **C.M.Ramakritinan**. 2015. KAP study on dengue epidemiology among paramedical students. **International Journal of Fauna and Biological Studies (IJFBS)**, 2 (2): 62-64. **(ISSN Online: 2347-2677).**
- Bharathi, N., S. Karthikayan and **C.M. Ramakritinan**. 2015. Twine outbreak at Kirungakottai village, south India, **International Journal of Fauna and Biological Studies (IJFBS)**, 2 (2): 59-61. **ISSN 2347-2677**
- **Ramakritinan, C.M.**, B. Ramkumar and A.K. Kumaraguru. 2015. Growth of sponges around nylon rope and E-waste in the coastal water of Veedhalai, Gulf of Mannar, India. **Int. J. Curr. Microbiol. App. Sci.**, (JJCMAS), 4(8): 61-65. **ISSN: 2319-7706.**

- Balachandra, B., Shanmugam, S., T. Muneeswaran and **C. M. Ramakritinan** 2015. Iodine catalyzed one-pot synthesis of highly substituted N-methyl pyrrole via [3+2] annulation and their in vitro evaluation as antibacterial agents, **RSC Adv.**, **5**: 64781-64789. DOI: 10.1039/C5RA11094G. **IF: 3.84**.
- Arun Divakar, M., Sivakumar S, Muneeswaran T. & **C.M. Ramakritinan**. 2016. Regioselective Synthesis of Pyrrolylpyrazole as a Multifunctional Compound: Potential Antibacterial as well as Anticancer Agent. *Chemistry Select.* 1(19): 6151-6155; DOI: 10.1002/slct.201601332 (Online ISSN: 2365-6549).
- **Ramakritinan, C.M.**, K. Durai Kannu, V. Muthuraj and N.Sornalatha. 2017. MAA-Palythine Compound of Three Red (Macro) Algae: *Gelidiella acerosa*, *Acanthophora spicifera* and *Hypnea musciformis* of Gulf of Mannar, Southeast Coast of India. *International Journal of Current Microbiology and Applied Sciences*, 6(7): 607-615.
- Ramkumar, B. and **Ramakritinan, C.M.** 2017. Devastation effect of traditional bottom-set-gill net fishery on *Clathria frondifera* (Bowerbank, 1875) in northern Gulf of Mannar, India. *International Journal of Science and Nature (IJSN)*: 8(2)269-273.
- Murugan, A., B. Ramkumar, M. Jayasingh and **C.M. Ramakritinan**. 2018. Morphological observations on the endemic Velvet leatherjacket, *Lalmohania velutina* Hutchins, 1994 (Family: Monacanthidae) and updated distributional records after three decades from its discovery in Gulf of Mannar, Tamil Nadu Coast, India. *IJMS*:47(02): 409-414. **(IF: 0.563)**
- Kalaivani, R., M. Maruthupandy, T. Muneeswaran, A. Hameedha Beevi, M. Anand, **C.M. Ramakritinan**, A.K. Kumaraguru. 2018. Synthesis of chitosan mediated silver nanoparticles (Ag NPs) for potential antimicrobial applications. *Frontiers in Laboratory Medicine* 2: 30-35. <https://doi.org/10.1016/j.flm.2018.04.002> ISSN: 2542-3649.
- Jebakumar, J.P.P., J., Nandhagopal, G., Rajanbabu, B., Ragumaran, S., **Ramakritinan C M**, Abdul Jaffarali, Mohammed Kaleem Arshan, and Vijaya Ravichandran. 2018. Impact of artificial coastal protection structures on Ascidiants settlement along Tamil Nadu coast, India. *Oceanologia*. DOI: 10.1016/j.oceano.2018.06.005. License CC BY-NC-ND 4.0. **(IF 1.614)**

Symposium Publication: 9

National – 5

- Baskaran, P., **Ramakrishnan, M.**, Palanichamy, S. and M.P. Balasubramanian. 1987. Effects of agricultural fertilizers on non-specific esterases in *Oreochromis mossambicus*. **Proc. Nat. Conser. of Environ. Impact on Biosystem.**, pp: 299-303.
- **Ramakrishnan, M.**, Baskaran, P., Palanichamy, S. and M.P. Balasubramanian. 1987. Acid phosphatase isozymes of *Moniezia benedeni* (cestoda) during growth and differentiation. Palanichamy, S. (Ed.) Proc. V All India Symp. Invertebrate Reproduction, Dept. of Zoology, A.P.A. College of Arts & Culture, Palani, Tamilnadu. pp: 49-52.
- Vasanthi, M. Arunachalam, S., Palanichamy, S. and **M.Ramakrishnan**. 1987. Succinic dehydrogenase activity and glycogen content of *Pontoscolex corethrurus* during the development. Palanichamy, S. (Ed.) Proc. V All India Symp. Invertebrate Reproduction, Dept. of Zoology, A.P.A. College of Arts & Culture, Palani, Tamilnadu. pp: 53-57.
- Baskaran, P., Kamatchi Devi, S., **Ramakrishnan, M.** and M.P. Balasubramanian. 1987. Effects of metacid on acid phosphatases and non-specific esterases in male and female field crab, *Paratelphusa hydrodromous* (Hebst). Palanichamy, S. (Ed.) Proc. V All India Symp. Invertebrate Reproduction, Dept. of Zoology, A.P.A. College of Arts & Culture, Palani, Tamilnadu. pp: 238-244.
- **Ramakritinan, C.M.**, Sugandha Shankar, M. Anand and A.K.Kumaraguru. 2010. *Biosynthesis of silver, gold and bimetallic alloy (Ag:Au) Nanoparticles from green alga, Lyngpya sp.* Proc. 3rd Nat.Conf. on Nano materials and Nanotechnology, Amity University, Lucknow 21st -23rd December 2010, Int. J. Mindshare, 1(1): 174-187.

International – 4

- Manoj Singh R.C. Kalaivani, M. Anand, **C.M, Ramakritinan**, A.K.Kumaraguru. 2014. Rapid biomimetic synthesis of silver nanoparticles from Asiatic. Mangrove (*Rhizophora Mucronata*) and its antimicrobial activity against clinically isolated pathogens, Proc. Internat. Conf. on Nanoscience, Engineering and Technology (ICONSET), 2011. Pp: 408-414.
- Anithajothi, R., G.Umagowsalya, K.Duraikannu, and **C.M.Ramakritinan**. 2015. Virulent Factors of Coral Pathogen *Serratia marcescens* Associated With White Pox Disease *Acropora formosa*, Palk Bay, Southeast Coast of India. Proceedings of Intl. Conf. on Plant, Marine and Environmental Sciences (PMES2015), January 1-2, 2015. Kuala Lumpur, Malaysia, pp: 75-79.
- Umagowsalya, G., R. Anithajothi, K.Duraikannu, and **C.M.Ramakritinan**. 2015. The Dynamic Aerobic Culturable Microbiot from Coral Niches and Their Antimicrobial Properties Proceedings of Intl. Conf. on Plant, Marine and Environmental Sciences (PMES2015), January 1-2, 2015. Kuala Lumpur, Malaysia, pp: 70-74.
- Santhanakrishnan, M., P.Mani and **C.M.Ramakritinan**. 2015. Human indispensable amino acids present in the Elasmobranch (Sting Rays and Skate) Community. Proceedings of International Conference on Ocean Acidification Research (ICOAR – 2015) held from 15th to 17th December 2015. Department of Marine and Coastal Studies, Madurai Kamaraj University, Pudumadam. Pp: 100-108; ISBN: 978-93-85477-85-0.

GenBank Publications:

Microbes from marine sources : 118 strains

Protein Sequencing : 6 species of Elasmobranches

PAPER PRESENTED IN CONFERENCE/SEMINAR/WORKSHOP

Name of the Conference	Date	Place	Title	Author(s)
2 nd Indian Symp. of Odonotology,	8-10, October, 1986	D.A.V. College, Dehara Dun	Toxic and sublethal effects of metacid on survival and body composition in the dragonfly, <i>Brachythermis contaminata</i> . P:8-10	Baskaran, P., M. Ramakrishnan, S. Palanichamy and M.P. Balasubramanian
National Seminar on Aquatic Environment & Organisms	October, 1989.	Department of Zoology, C.N. College, Erode, (TN).	Effect of Distillery effluent on bioenergetics of freshwater air-breathing fish, <i>Channa striatus</i> . p:18-19.	Ramakrishnan, M., S. Palanichamy and S. Arunachalam
Internatl. Symp. on Environmental Impact on Biosystems	December, 1989.	Department of Zoology, Loyola College, Madras, (TN).	Sublethal effects of pesticides on food utilization in an air-	Ramakrishnan, M., S. Arunachalam and S.

			breathing fish, <i>Channa striatus</i> .	Palanichamy
National Conference on Fisheries Economics, Extension and Management.	5 th and 6 th , January 2000.	Central Institute of Fisheries Education, Mumbai.	Socio-economic monitoring of coral reef resource users in Therespuram of Tuticorin, Gulf of Mannar, India.	Ramakrishnan, M., Kannan, R., Sundaramahalingam, A., Rajee, M. and A.K. Kumaraguru
The Second National Conference on "Bio-prospecting of Marine Resources with special reference to Marine Natural Products and Drug Discovery.	August 25-27, 2010.	School of Marine Sciences, Alagappa University Thondi Campus, Thondi – 623409, Tamilnadu.	Partial purification of Collagen in Bivalve Mollusc, <i>Anadara granosa</i> (Linnaeus, 1758).	Ramakritinan, C.M., Javle Shrirang Ramdas Nilima, A.K.Kumaraguru and A. Shanmugam.
UGC Nat. Conf. on Adv. In Env. Res. and Inter discipline 2011	11 th & 12 th March 2011	Dept of Zoology, Annamalai University, Chidambaram,	Acute toxicity continuous flow-through bioassay	L.Palanikumar Manoj Singh, S.Manikandan, M.Anand, C.M.RamakritinanA.K.Kumaraguru
UGC Nat. Conf. on Adv. In Env. Res. and Inter discipline 2011	11 th & 12 th March 2011	Dept of Zoology, Annamalai University, Chidambaram,	Cytotoxic effects of Pudhumadam coast, Gulf of Mannar	C.M.Ramakritinan L.Palanikumar, M. Yokesh Babu, A.K.Kumaraguru
Internt. Workshop & Conference on Renewable Energy & Climate Change- Exploring Oppor-tunities for Sustain-able Development	April 05-07, 2012	School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai	Isolation and characterization of extra cellular bacteria associated with coral mucus.	R.Anitha Jothi, G.UmaGowsalya CM.Ramakritinan, V.Ramadas
13 th Tetrahedron Symposium, Asia: Challenges in Bioorganic & Organic Medicinal chemistry	27 th to 30 th Nov. 2012	Elsevier Ltd, UK & Academia Sinica, Taiwan, Howard Civil International Centre, Taipei, Taiwan	"UV-Absorbing, Mycosporine-like Amino ... Algae of Gulf of Mannar, Southeast Coast of India"	C.M.Ramakritinan N.Sornalatha, K.DuraiKannu A.K.Kumaraguru
XXXII Annual Meeting of STOX, India & Inter-	5 th – 7 th , Dec. 2012	Society of Toxicology India	Acute and Chronic Toxic	C.M.Ramakritinan

national Symp. on New Frontiers in Toxicology.		& Indian Institute of Toxicology Research, Lucknow,	effects of heavy metals to marine animals under continuous flow-through bioassay	M.Anand,L.Palanikumar Manoj Singh, S.Manikandan, G.Jayanthi, A.K.Kumaraguru, D.Mohanand B.R.Subramanian
National Conference on Environmental Issues and Challenges – Vision 2020.	27 th & 28 th Sep. 2013	Department of Zoology, Annamalai University, Annamalai Nagar, Chidambaram – 608 002, Tamilnadu, India.	Biogenesis of silver Nanoparticles by <i>Bacillus</i> sp. Marine Bacterium and its antibacterial activity against UTI pathogens.	Yokesh Babu, M.,V. Janakidevi, S.Ramesh Kumar, C.M.Ramakritinan A.K.Kumaraguru.
4 th International Conference on Ecotoxicology and Environmental Sciences (ICEES-2014).	17 to 19 Feb. 2014	Institute of Ecotoxicology and Environmental Sciences, Kolkata, in New Delhi YMCA, New Delhi.	Effect of PCP on Survival, Biomarker Enzyme <i>Modiolus philippinarum</i> H. under chronic exposure	Ramakritinan, C.M., J. Sindhu Bala and T. Muneeswaran.
National Seminar on “Frontiers in Environmental Research and applications (FERA – 2014)”.	18 th February 2014.	Department of Environmental Science, Periyar University, Salem – 636 011	Larvicidal and Bactericidal effects of biosynthesized silver nanoparticles.	Yokesh Babu, M., V. Janaki Devi, C.M. Ramakritinan and A.K.Kumaraguru.
National Seminar on “Frontiers in Environmental Research and applications (FERA – 2014)”.	18 th February 2014.	Department of Environmental Science, Periyar University, Salem – 636 011	Larvicidal and Bactericidal effects of biosynthesized silver nanoparticles.	Anitha Jothi, R., K. Durai Kannau, B. Ramkumar and C.M. Ramakritinan
International Conference on “Environmental Biotechnology and Biodiversity (EBIO-2013)	3-5, March 2014	OMICS PUBLISHING GROUP, HYDERABAD Dep. of Chemical Engineering,A.U College of Engineering (A), Andhra	Distribution and abundance of marine (macro) litters along the coast of Gulf of Mannar, southeast coast of India	Ramakritinan, C.M B.Ramkumar, M.Santhanakrishnan A.K.Kumaraguru

		University, Visakhapatnam, Andhra Pradesh		
Intr. Conference on "Environmental Biotechnology and Biodiversity (EBIO-2013)	3-5, March 2014	OMICS PUBLISHING GROUP, HYDERA -BAD Dep. of Chemical Engineering, A.U College of Engineering (A), Andhra University, Visakhapatnam, Andhra Pradesh	Assessment of Coastal Water Quality, Northern Gulf of Mannar, Southeast coast of India.	Ramakritinan, C.M M. Yokesh Babu A.K.Kumaraguru.
3 rd International Conference on "Hydrology and Meteorology"	15-16, September 2014.	OMICS Publishing Groups, Hyderabad International Convention Centre (HICC), Hyderabad, Andhra University, India, from	Spatial and Temporal Variations in Marine Litter (2013-2014) along the selected beaches of Gulf of Mannar, Southeast coast of India	C.M.Ramakriti nan, B.Ramkumar [#] , M.Santhanakri shnan and A.K.Kumaraguru
ENERGY FEST, Advanced Technologies and Innovations in Energy & Environment.	March 28, 2014	School of Energy, Environ mental and Natural resources, Madurai Kamaraj University, Madurai	Statistical Optimization of Luminescence and growth of <i>Photobacterium leiognathi</i> isolated from light organ of <i>Gazza minuta</i> .	Muneeswaran, T and C.M.Ramakriti nan
UGC sponsored National Seminar on Emerging Trends in Biological Research, Prof. Whitin Endowment Lecture Series Phase II.	16 th & 17 th September 2014.	P.G. Research Department of Zoology & Biotechnology, Lady Doak College, Madurai, Tamilnadu.	Isolation and biochemical Identification of luminous bacteria from Marine Niches, of Gulf of Mannar.	Muneeswaran, T. and C.M.Ramakriti nan
Regional Seminar on Current Status and Future Prospect of Coastal and Marine Biodiversity in Gulf of Mannar.	21-01-2015.	Gulf of Mannar Biosphere Reserve Trust, Ramanathapura m.	Distribution and Occurrence of Micro Litter on the selected beaches of Gulf of Mannar, India during August 2013 & February	Ramakritinan, C.M., B.Ramkumar, M.Santhanakri shnan and A.K.Kumaraguru

			2014.	
International Conference on Ocean Acidification Research (ICOAR – 2015).	15 th to 17, December 2015.	Department of Marine and Coastal Studies, School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Pudumadam, Tamilnadu, India.	Acute and chronic effects of different CO ₂ levels on marine wedge clam, <i>Donax faba</i> Gamelin.	Ramakritinan, C.M., B.Ramkumar, M.Santhanakrishnan and M.Anand
Conference on Management and Conservation of Seagrass Ecosystems in India.	12 th and 13 th July 2016.	MoEFCC-IUCN-GIZ, India Habitat Centre, New Delhi		C.M.Ramakritinan
9 th NABS National Conference on New Biological Researches; National Academy of Biological Sciences (NABS).	11 th and 12 th Aug.16.	School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai.	Molecular Identification of Luminous Bacteria Isolated from Leiognathid and Lethrinus Fishes of Pudumadam, Gulf of Mannar.	Muthurakku@ Sudha, N., C.M.Ramakritinan and T.Muneeswaran.
Seminar on Advanced Technologies and Innovations in Energy and Environment, ENERGY FEST-2017.	March 28, 2017	School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai – 625021, Tamilnadu.	By catch quantification of <i>Clathria frondifera</i> in bottom-set-gill net fishery along the northern Gulf of Mannar, India.	B. Ramkumar and C.M. Ramakritinan
Seminar on Advanced Technologies and Innovations in Energy and Environment, ENERGY FEST-2017.	March 28, 2017	School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai – 625021, Tamilnadu.	Bioluminescence inhibition assay: promising tool for toxicity assessment. 2017.	T. Muneeswaran and C.M.Ramakritinan

National Conference on Innovations in Biotechnology, NCBI 2017.	14 th -15 th December, 2017	School of Biotechnology, Madurai Kamaraj University, Madurai	Molecular Docking Approach for Predication of Alcohol toxicity to <i>Photobacterium leiognathi</i> of Gulf of Mannar.	N.Muthurakku (A) Sudhaa, T.Muneeswarana, D.Prasanna Venkateshb and C.M.Ramakritinanb
National Conference on Marine Debris, COMAD 2018.	11-12 th April, 2018	Marine Biological association of India, CMFRI, Kochi, Kerala, India.	Occurrence and distribution of Micro plastic litters in the selected beaches of Palk bay and Gulf of Mannar coast, India during January and March 2018.	Ramakritinan C.M, and M.Hari Vignesh

CONFERENCE/WORKSHOP/SEMINAR/TRAINING ORGANIZED

Type	Name	Date(s)	Place	Role Played	Funding Agency
National Level Short Term Hands on Training	National Level Short Term Hands on Training in Recent Advances in Marine Ecotoxicological Testing, (RAMETOX2013)	11-15 th September 2013	Madurai Kamaraj University, Pudumadam, Ramnad	Organizing Secretary	Madurai Kamaraj University, UGC, DBT, TNSCST,
Endowment Lecture	Col. Dr. M.D.K. Kuthalingam Endowment Lecture	19-11-2013	Department of Marine and Coastal Studies, Madurai Kamaraj University, Madurai	Team i/c	-
Endowment Lecture	Dr. A.K.Kumaraguru Endowment Lecture	19-11-2013	Department of Marine and Coastal Studies, Madurai Kamaraj University, Madurai	Team i/c	-
Endowment Lecture	Col. Dr. M.D.K. Kuthalingam Endowment Lecture	19-11-2014	Department of Marine and Coastal Studies, Madurai Kamaraj University, Madurai	Team i/c	-
National	National Level Short Term Hands on Training in	5 th – 9 th January 2017	Department of Marine and Coastal Studies (Marine Field Research	Organizing Secretary	Madurai Kamaraj University,

	Recent Advances in Marine Ecotoxicological Testing, (RAMETOX2015)		Facility), Madurai Kamaraj University, Pudumadam, Ramnad		INSA, DBT
Endowment Lecture	Col. Dr. M.D.K. Kuthalingam Endowment Lecture	27-03-2017	Department of Marine and Coastal Studies, Madurai Kamaraj University, Madurai	Team i/c	-
Endowment Lecture	Dr. A.K.Kumaraguru Endowment Lecture	27-03-2017	Department of Marine and Coastal Studies, Madurai Kamaraj University, Madurai	Team i/c	-
Seminar	Seminar Cum Awareness Programme on SCUBA Diving (SAP-SD)	14 th September 2017	Department of Marine and Coastal Studies (Marine Field Research Facility), Madurai Kamaraj University, Pudumadam, Ramnad	Organizing Secretary	Madurai Kamaraj University
Endowment Lecture	Col. Dr. M.D.K. Kuthalingam Endowment Lecture	27-03-2017	Department of Marine and Coastal Studies, Madurai Kamaraj University, Madurai	Head	-
Endowment Lecture	Dr. A.K.Kumaraguru Endowment Lecture	27-03-2017	Department of Marine and Coastal Studies, Madurai Kamaraj University, Madurai	Head	-

BOOK PUBLISHED

Title of the Book / Chapter	Author	Publisher	Year	ISBN Number
Marine Ecotoxicology Bibliography. Centre for Marine and Coastal Studies, Madurai Kamaraj University, Madurai. 389p. (National).	Kumaraguru, A.K., C.M. Ramakritinan and S. Magesh	Centre for Marine and Coastal Studies, Madurai Kamaraj University,	2005	-
Impact of the Tsunami of 2004 on the Coral reef environment of the southeast coast of India. In: Wave in Bay, Impact of Tsunami on Coastal Resources,	Kumaraguru, A.K., K. Jayakumar, J. Jerald Wilson, N. Marimuthu, C.M. Ramakritinan, M. Rajee and P. Thavasi.	ENVIS Publication Series 3-2005, CAS in Marine Biology, Annamalai University, Parangipettai, India 19-38pp.	2005	81-902785 -8-4

Marine Ecotoxicology – An overview. In: Training Manual on Marine Ecotoxicology	A.K. Kumaraguru C.M. Ramakritinan.	DOD-ICMAM, Govt. of India, Chennai	2008	-
Marine Ecotoxicology – An overview. In: Training Manual on Ecotoxicology ,	C.M.Ramakritinan A.K. Kumaraguru	DOD-ICMAM, Govt. of India, Chennai	2012	-
Antibacterial Effects of Ag, Au and Bimetallic (Ag-Au) Nanoparticles Synthesized from Red Algae. Functional Nanomaterials and their applications, Solid State Phenomena, 2013 vol.201, pp:211-230.	Ramakritinan, C.M, E.Kaarunya,Sugandha Shankar A.K.Kumaraguru	Editor, Hardev Singh Virk Trans Tech Publications, Switzerland, Solid State Phenomena	2013	ISBN-13: 978-3-03785-700-7
Laboratory Manual. In: National Level Short-Term Hands on Training in Recent Advances in Marine Ecotoxicological Testing (<i>RAMETOX2013</i>), Sep. 2013. PP: 144	Ramakritinan, C.M. and Kumaraguru, A.K.	Department of Marine and Coastal Studies, Madurai Kamaraj University,	2013	-
Laboratory Manual. In: National Level Short-Term Hands on Training in Recent Advances in Marine Ecotoxicological Testing (<i>RAMETOX2013</i>), 5 th – 9 th January 2017; pp: 171	Ramakritinan, C.M. A.K. Kumaraguru,B.R. Subramanian, D. Mohan, A.Balasubramani and T. Muneeswaran.	Department of Marine and Coastal Studies, Madurai Kamaraj University,	2017	-

TRAVEL ABROAD

1. **Taipei, Taiwan (2012)** - Presented a research paper in the 13th Tetrahedron Symposium, Asia: Challenges in Bioorganic & Organic Medicinal chemistry, Howard Civil International Centre, Taipei, Taiwan. 27-30th November 2012, Elsevier Ltd., UK.
2. **Bangkok, Thailand (2014)** - Attended **International Training Course on Environmental Immunotoxicology and Reproductive Toxicology**, Chulabhorn Research Institute, International Centre for Environmental Health and Toxicology (ICEHT), with International Fellowship Award – From 20-10-2014 to 31-10-2014.
3. **Bangkok, Thailand (2017)** - Attended **International Training Course on Environmental and Health Risk Assessment and Risk Management on Chemicals**, Chulabhorn Research Institute, International Centre for Environmental Health and Toxicology (ICEHT), with International Fellowship Award – From 05-12-2017 to 19-12-2017.

SPECIAL TRAINING COURSES ATTENDED

1. **International Training Course on Environmental and Health Risk Assessment and Risk Management on Chemicals**, Chulabhorn Research Institute, International Centre for Environmental Health and Toxicology (ICEHT), with International Fellowship Award – From 05-12-2017 to 19-12-2017
2. **Short Term Training Programme on “Molecular Markers for Genetic Analysis”**, ICAR-National Bureau

of Fish Genetic Resources, PMFGR Centre, CMFRI Campus, Ernakulam, Cochin, Kerala State, India from 07-12-2015 to 12-12-2015.

3. **International Training Course on Environmental Immunotoxicology and Reproductive Toxicology**, Chulabhorn Research Institute, International Centre for Environmental Health and Toxicology (ICEHT), Bangkok, Thailand with the award of International Fellowship – From 20-10-2014 to 31-10-2014.
4. **SCUBA Diving & SCUBA Equipment Care** – Training Course: Laccadive Dive Centre, (CMAS), Lakshadweep Islands, Kadmat, India HO: E-20 Everest Bldg. Tardeo, Mumbai-34 sponsored by IOC/UNESCO, Paris through GCRMN, Sri Lanka (08-11-1998 to 25-11-1998).
5. **Recent Advances in Marine Biotoxinology**: Training Workshop, Central Institute of Fisheries Education, (Deemed University) Mumbai, India – sponsored by Indian Council of Agricultural Research (ICAR), New Delhi (10-01-2000 to 31-01-2000).
6. **GCRMN South Asia Phase: 2 Coral Reef Survey Design & Data Analysis Workshop**, DOD-ICMAM Project Directorate, National Institute of Ocean Technology, Chennai, India sponsored by IOC/UNESCO/UNEP/ IUCN through GCRMN, Sri Lanka (01-05-2000 to 08-05-2000).
7. **UNU-UNESCO International Training Course on Coastal Mangrove Biodiversity**, Centre of Advanced study in Marine Biology, Annamalai University, Parangipettai, sponsored by United Nations University, Tokyo, Japan & UNESCO, Paris, France (05-03-2001 to 19-03-2001).
8. **Training on Live Feed Culture**, Trainers Training Centre at Mandapam, Tamilnadu, (CMFRI, Cochin) – 18-09-2003 to 27-09-2003)
9. **Short-Term course on Electrophoresis**, Electrophoresis Institute, Yercaud, Tamilnadu, India (01-06-2005 to 06-06-2005).
10. **International workshop – Taxonomy & Ecology of Harmful Algae & Biotoxins**, KVAFSU, College of Fisheries, Mangalore sponsored by IOC/UNESCO, Paris (21-01-2008 to 25-01-2008).
11. **Training on Open Water SCUBA Diver**, Barracuda Dive Centre, Panaji, GOA, India (14-04-2008 to 17-04-2008).
12. **Refresher Course in Environmental Sciences**, UGC- ASC, Dr.BAMU, Aurangabad, Maharashtra State, **21 days** (from 09-11-2011 to 29-11-2011)
13. **Summer Training Programme on Geospatial Technologies and Applications**, School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai. DST under NRDMS Programme (21 days - 08-05-2012 to 28-05-2012).

Memorandum of Understanding Signed

Madurai Kamaraj University's Department of Marine and Coastal Studies, Madurai and Central Marine Fisheries Research Institute, Mandapam /Kochi signed MoU to undertake research, and academic cooperation from March 2018.

MEMBERSHIP IN ACADEMIC BODIES

Member / Chairman – Question Setting

- Member - PG Diploma in SCUBA Diving for Marine Biotechnology, Madurai Kamaraj University.
- Member - M.Sc., Sub-Aqua Marine Ecology and Toxicogenomics, Madurai Kamaraj University.
- Chairman - M.Sc. & M.Phil., Zoology - DDE, Alagappa University, Karaikudi (Question paper settings and evaluation).

- Member - M.Phil., Marine Environmental Studies, Madurai Kamaraj University.
- Member - M.Sc., Environmental Biotechnology, Bharathidasan University, Trichy.
- Member - M.Sc., Aquaculture, Gandhigram Rural University, Gandhigram, Dindigul.

Member – External Bodies

- Member - Gulf of Mannar Marine Biosphere Reserve Trust, Ramanathapuram.
- Member - Indo-German Biodiversity Programme (GIZ), Conservation and Sustainable Management of Existing and Potential Coastal and Marine Protected Areas (CMPA).

Member – Doctoral Committee

- Department of Zoology, Bharathiar University, Coimbatore
- Centre for Marine Science and Technology, Manonmanium Sundaranar University, Rajakkamangalam
- Department of Animal Sciences, Manonmanium Sundaranar University, Abisekapatti, Tirunelveli.

Member Academic Council and Board of Studies

- Member – Academic Council, Madurai Kamaraj University, Madurai (From November 2017)
- Member - Academic Council, St. Xavier’s College (Autonomous), Palayamkottai from Dec. 2013 - Dec. 2015.
- Member - Academic Council, Sarah Tucker College (Autonomous), Tirunelveli from 08-12-2014 to 07-12-2016.
- Member – Board of Studies – Zoology, Yadava College (Autonomous), Thiruppalai, Madurai – 625014 from 07-12-2014 to 06-12-2016.
- Member - Board of Examiners–Ph.D., Annamalai University, Annamalai Nagar, Chidamparam.
- Member – Board of Studies – Centre for Marine Science and Technology, Manonmanium Sundaranar University, Rajakkamangalam.

MEMBERSHIP IN PROFESSIONAL BODIES

- Society of Environmental Toxicology and Chemistry, Pensacola, Florida, USA – Member Number - 14672273
- Society of Toxicology, Bareilly, India (Life Member)
- International Society for Reef Studies (Membership Number:296424)
- Global Coral Reef Monitoring Network (GCRMN), Sri Lanka, South Asia

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- NIL

ADMINISTRATIVE EXPERIENCE

Role Played	Responsibilities	Period (Month & Year)
Head	Carry out the academic and administrative activities of the Department	Aug. 2017 to till date
Team-in-charge	Carry out the academic and administrative activities of the Department	Aug. 2014 to Aug. 2017

CONTACT

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School: ENERGY, ENVIRONMENT AND NATURAL RESOURCES

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