

Curriculum Vitae

Nithyanandam Marimuthu

1. PERSONAL INFORMATION

Date of birth: 1 November 1977 (Madurai), India
Nationality: Indian

Researcher unique identifier(s)
ORCID: 0000-0002-7427-3111
Research ID: C-8653-2012



Languages: Tamil (mother language); English (fluent)

2. AFFILIATION

Scientist D & Officer-in-Charge (General Non-Chordata)
Zoological Survey of India (Ministry of Environment, Forest and Climate Change, Government of India)
Fireproof Spirit building, Indian Museum Complex, Kolkata 700016, India
M. + 91 94882 56444; +91 98748 56444 E. marimuthu@zsi.gov.in; marinemari@hotmail.com

3. EDUCATIONAL BACKGROUND AND ACHIEVEMENTS

3.1 Education

2009 - Ph.D. in Environmental Sciences at Centre for Marine and Coastal Studies,
Madurai Kamaraj University, Madurai, India
Thesis: Status of Biofouling organisms and antifouling resources in the Gulf of Mannar, southeast coast of India

3.2 Professional Experiences

2017- Till date : Scientist D at Zoological Survey of India (MoEFCC, Govt. of India), Kolkata 700016, India
2016-2017 : Project Scientist at Wildlife Institute of India (MoEFCC, Govt. of India), Dehradun, India
2014-2016 : Project Scientist-III at National Centre for Sustainable Coastal Management (MoEFCC, Govt. of India), Chennai, India
2013-2014 : Marine Scientist at Gujarat Ecology Commission (Forest & Environment Dept., Govt. of Gujarat), Gandhinagar, India
2013 : Marine Scientist at HMR Environmental Engineering Consultants, Muscat, Oman
2011-2013 : Faculty of Marine Sciences, King Abdulaziz University, Jeddah, Saudi Arabia
2010-2011 : Project Scientist at National Institute of Ocean Technology (MoES, Govt. of India), Port Blair, India
2009-2010 : Project Technical Assistant at National Institute of Ocean Technology (MoES, Govt. of India), Chennai, India

3.3 Research Experiences

2006-2009 : Senior Research Fellow at Centre for Marine and Coastal Studies, Madurai Kamaraj University, Madurai, India
2002-2006 : Junior Research Fellow at Centre for Marine and Coastal Studies, Madurai Kamaraj University, Madurai, India

4. CERTIFICATIONS

- 2013 : PADI certified Assistant Instructor (AIN 267612), UK (Certified at KSA)
 2003 : India-Australia Training and Capacity Building project on Coral Reef Taxonomy, Survey and Monitoring – Ministry of Forests and Environment, Port Blair, India

5. EXPERTISE

Systematics and Spatial analysis – Scleractinian corals
 SCUBA Diving (PADI-Assistant Instructor)
 Multivariate Analysis (PRIMER version 7.0.10 & PAST 2.15)

6. PUBLICATIONS

- Marimuthu, N*., Wilson, J.J., Kumaraguru, A.K. 2020. Tracking Decadal Changes in Palk Bay Coral Community Structure: A Multivariate Approach. *Journal of Coastal Conservation: Planning and Management (Springer)*, 21: 289-301. (Thomson Reuters JCR – 1.374)
- Marimuthu, N*., Vignesh, K., Chaudhury, N.R. 2021. Range extension of pyrosomes in oligotrophic waters of the Indian Ocean. *Current Science*. 120(4): 605 (Thomson Reuters JCR – 0.725)
- Nithyanandan, M., Marimuthu, N*. 2021. A New Record of Holothuriid Sea Cucumber, *Bohadschia atra* Massin, Rasolofonirina, Conand and Samyn, 1999 (Echinodermata: Holothuroidea) from India. *Thalassas: An International Journal of Marine Sciences (Springer)*, <https://doi.org/10.1007/s41208-021-00299-z> (Thomson Reuters JCR – 0.657)
- Prakash, S., Marimuthu, N*. 2020. Notes on some crinoid associated decapod crustaceans (Crustacea: Decapoda) of Lakshadweep Archipelago, Central Indian Ocean. *Zootaxa*. 4766(1): 86-100 (Thomson Reuters JCR – 0.955)
- Riyas, C.A., Idreesbabu, K.K., Marimuthu, N., Sureshkumar, S*. 2020. Impact of the tropical cyclone Ockhi on ecological and geomorphological structures of the small low-lying Islands in the Central Indian Ocean. *Regional Studies in Marine Sciences (Elsevier)*. 33: 10.1016/j.rsma.2019.100963 (Thomson Reuters JCR – 1.462)
- Marimuthu, N*., Purvaja Ramachandran, Sathish, M., Dinesh, N. and Ramesh, R. 2019. Recruitment pattern of Scleractinian coral spats on neighbouring artificial substrates at Kurusadai Reef Complex, Gulf of Mannar, India. *Aquatic Ecosystem; Health and Management, (Taylor and Francis)*. 22(1): 77-85 (Thomson Reuters JCR – 1.033)
- Marimuthu, N*., Verma, A.K., Kumar, J.S.Y., Adhavan, D. and Satyanarayana, Ch. 2018. Integrated Coastal Zone Management Project funded Coral restoration processes in the Gulf of Kachchh – A present scenario. *Indian Journal of Geo-Marine Sciences*, 47(1): 15-19. (Thomson Reuters JCR – 0.289)
- Marimuthu, N*., Kumar, J.S.Y., Raghunathan, C., Vinithkumar, N.V., Kirubakaran, R., Sivakumar, K. and Venkataraman, K. 2017. North-south gradient of incidence, distribution and variations of coral reef communities in the Andaman and Nicobar Islands, India. *Journal of Coastal Conservation: Planning and Management (Springer)*, 21: 289-301. (Thomson Reuters JCR – 1.374)
- Wilson, J.J*., Al-Sofyani, A.A. and Marimuthu, N*. 2017. Current biodiversity and ecological status of scleractinian corals of Sharm Obhur, Jeddah, Saudi Arabian coast of the Red Sea. *Marine Biodiversity (Springer)*, 47(4): 1111-1121 (Thomson Reuters JCR – 1.743)
- Hawas, U.W*., El-Kassem, L.T.A., Abdelfattah, M.S., Elmallah, M.I.Y., Eid, M.A.G., Monier, M. and Marimuthu, N. 2017. Cytotoxic activity of alkyl benzoate and fatty acids from the red sea

sponge *Hyrtios erectus*. *Nat. Prod. Res. Part-B, Bioactive Nat. Prod.* (Taylor and Francis), 32(12): 1369-1374 (Thomson Reuters JCR - 1.928)

- Baskar, B*., Sahu, B.K., Jayappriyan, K.R., Vasanthi, L.A., Marimuthu, N., Nandakumar, P., Prabakaran, P. 2017. Assessment of heavy metal concentrations and associated resistant bacterial communities in bulk and rhizosphere soil of *Avicennia marina* of Pichavaram mangrove, India. *Environ. Earth Sci.*, (Springer) 76:58. <https://doi.org/10.1007/s12665-016-6378-7> (Thomson Reuters JCR - 1.871)
- Marimuthu, N*., Purvaja, R., Robin, R.S., Tudu, D., Hariharan, G. and Ramesh. R. 2016. Spatial variations in the coral reef health of Palk Bay, southeast coast of India. *Aquatic Ecosystem; Health and Management*, (Taylor and Francis) 19(4): 360-367. (Thomson Reuters JCR – 1.033)
- Al-Sofyani, A.A., Marimuthu, N*., Wilson, J.J., Arulazhagan, P., Jeyakumar. 2016. Antifouling effect of bioactive compounds from selected marine organisms in the Obhur creek, Red Sea. *Journal of Ocean Univeristy of China*, (Springer) 15(3): 271-276 (Thomson Reuters JCR – 0.699)
- Joshi, H*., Marimuthu, N*. 2015. Forbidding invasive species – A way to attain sustainability of the coastal ecosystem. *Current Science*. 108(2): 151-152. (Thomson Reuters JCR – 0.725)
- Al-Sofyani, A.A., N. Marimuthu*, J.J. Wilson. 2014. A rapid assessment of Scleractinian and Non-Scleractinian coral growth forms along the Saudi Arabian coast, Red Sea. *Journal of Ocean Univeristy of China*, (Springer) 13(2): 243-248. (Thomson Reuters JCR – 0.699)
- Kumar, J.S.Y*., N. Marimuthu*, S. Geetha, Ch. Satyanarayana, K. Venkataraman and R.D. Kamboj. 2014. Longitudinal variations of coral reef features in the Marine National Park, Gulf of Kachchh. *Journal of Coastal Conservation: Planning and Management*, (Springer) 18(3): 167-175. (Thomson Reuters JCR – 1.374)
- Marimuthu, N*., J.J. Wilson, N.V. Vinithkumar and R. Kirubakaran 2013. Coral reef recovery status of South Andaman Islands after the bleaching event 2010. *Journal of Ocean Univeristy of China*, (Springer) 12(1): 91-96 (Thomson Reuters JCR – 0.699)
- Jha, D.K., N.V. Vinithkumar, N. Marimuthu*, B. Baskar, A.K. Das, B.K. Sahu and R. Kirubakaran 2013. Field and GIS based assessment of Scleractinian coral cover in the Aerial Bay group of Islands, North Andaman, India. *Journal of Coastal Conservation: Planning and Management*. (Springer) 17: 671-677 (Thomson Reuters JCR – 1.374).
- Manikandan, B., J. Ravindran*, S. Shrinivaasu, N. Marimuthu and K. Paramasivam. 2014. Community structure and coral status across reef fishing intensity gradients in Palk Bay reef, southeast coast of India. *Environ. Monitor. Assessment*, (Springer) 186(10): 5989-6002. (Thomson Reuters JCR - 1.959)
- Sawall, Y*., A. Al-Sofyani, B. Kürten, A.M. Al-Aidaros, B.X. Hoang, N. Marimuthu, H.S. Khomayis, U. Sommer, W.Y. Gharbawi, M. Wahl. 2014. Coral communities, in contrast to fish communities, maintain a high assembly similarity along the steep latitudinal gradient of the Saudi Red Sea coast. *J Ecol. Ecogr.*, S4: 003. doi: 10.4172/2157-7625.S4-003 (Thomson Reuters JCR – 0.020)
- Ravindran, J*., B. Manikandan, M. Venkatesh, R.M. Murali, N. Marimuthu and M.V.M. Wafar. 2014. Repercussions of embarkation wharves in Lakshadweep Islands on coral communities and their ecology. *Indian Journal of Marine Sciences*, 43(7): 1391-1400. (Thomson Reuters JCR – 0.289)
- Adhavan, D*., Kamboj, R.D., Marimuthu, N., Bhalodi, M.M. 2014. Seasonal variation and climate change influence coral bleaching in Pirotan Island, Gulf of Kachchh Marine National Park, Gujarat. *Current Science*. 107(11): 1780-1781. (Thomson Reuters JCR - 0.725)
- Al-Sofyani, A., N. Marimuthu* and J.J. Wilson. 2013. Tunicate bloom in the Obhur creek of Jeddah coast, Red Sea. *Current Science*. 104(10): 1274-1275 (Thomson Reuters JCR - 0.725)

- Wilson, J.J* and N. Marimuthu 2012. Post-bleaching recovery of transplanted coral nubbins in Abu Al Abyad Island of Abu Dhabi, United Arab Emirates (2012). *Galaxea, Journal of Coral reef Studies*. 14: 1-2.
- Marimuthu, N*., G. Dharani, N.V. Vinithkumar, M. Vijayakumaran and R. Kirubakaran (2011). Recovery status of Sea anemones from bleaching event of 2010 in the Andaman waters. (2011) *Current Science*. 101(6): 734-736. (Thomson Reuters JCR - 0.725)
- Marimuthu, N*., J.J. Wilson and A.K. Kumaraguru 2010. Reef status of Mandapam group of Gulf of Mannar. *Galaxea, Journal of Coral Reef Studies*. 12 (2): 65-75.
- Tamelander, J*., A. Rajasuriya, Hussein Zahir, Rohan Arthur, Vineeta Hoon, J.K. Patterson Edward, Sarang Kulkarni, Alasdair Harris, C.N. Pandey, J. Jerald Wilson, N. Marimuthu, A.K. Kumaraguru K. Venkataraman, Mohamed Sazedul Islam, Mohamed Zahirul Islam, Terney Pradeep Kumara, Mohamed Farook Mohamed Fairoz, Vardhan Patankar and Erika D'souza (2008) Status of Coral Reefs in South Asia: Bangladesh, Chagos, India, Maldives and Sri Lanka. pp. 119-130. In. *Status of Coral Reefs of the world: 2008*. (ed.) C. Wilkinson. Global Coral Reef Monitoring Network and Reef and Rainforest Research Centre, Townsville, Australia, 296 p.
- Kumaraguru, A.K*., V. Edwin Joseph, N. Marimuthu and J.J. Wilson (2006). Scientific information on Gulf of Mannar- A Bibliography Centre for Marine and Coastal Studies, Madurai Kamaraj University, India. 656 p.
- Edward, J.K.P*., S. Kulkarni, R. Jayabaskaran, S. Lazarus, A. Mary, K. Venkataraman, S.P. Das, J. Tamelander, A. Rajasuriya, K. Jayakumar, A.K. Kumaraguru, N. Marimuthu, R. Sluka and J.J. Wilson (2006). The effects of the 2004 Tsunami on mainland India and the Andaman and Nicobar Islands In. *Status of Coral Reefs in Tsunami affected countries: 2005*. In. *Status of Coral Reefs in Tsunami affected countries: 2005*. (eds.) C. Wilkinson, D. Souter and J. Goldberg. GCRMN, Australian Institute of Marine Science, Australia. 154 p.