

## Dr. L. Anburajan



**Dr. L. Anburajan**, Scientist-D is working for Atal Centre for Ocean Science and Technology for Islands (ACOSTI), Port Blair, Andaman and Nicobar Islands, a field station of National Institute of Ocean Technology (NIOT), Chennai from November, 2009.

He has completed his M. Sc. (Microbiology) with university Second rank and M. Phil. (Microbial Technology) with university First rank and Gold medal from Manonmaniam Sundaranar University, Tamil Nadu and subsequently obtained his Ph. D. degree in Marine Biotechnology from ICAR – Central Institute of Fisheries Technology (CIFT), Cochin, Kerala (degree conferred by Cochin University of Science and Technology, Cochin). His major research contribution is in the field of Deep Sea Microbiology and Marine Biotechnology. He was working on the major MoES project, Development of Potential Drugs from the Ocean by characterizing more than 500 marine fauna and flora samples throughout Andaman and Nicobar Islands. He is a PADI certified scuba open water diver.

Dr. Anburajan was instrumental in the development of “NIOT-*Enterococcus faecalis* Multiplex PCR detection kit – A process for detecting virulent genes in *E. faecalis*”. An Indian patent has been awarded for the kit and the technology was transferred for commercialization to SAAI Electro Biogenic India Pvt. Ltd., Chennai via National Research Development Corporation (NRDC), New Delhi in a formal meeting at MoES, New Delhi with the auspicious presence of Honorable Secretary, MoES and Respected Director, NIOT on 26.07.2019. Further, in recognition of his outstanding contributions and initiatives in Deep Sea Microbiology, two more research products viz., anticancer enzyme, L-asparaginase biosynthesis gene bearing recombinant clone and derma pharmaceutical potential ectoine biosynthesis gene bearing recombinant clone has been accepted by NRDC, New Delhi for further commercialization.

Dr. Anburajan and his research team has made a notable contribution in Marine Actinobacterial research in Andaman and Nicobar Islands and the team is in progress of developing “National Repository of Marine Actinobacteria from Andaman and Nicobar Islands” at ACOSTI, Port Blair. During the short span of his research career at ACOSTI - NIOT, Dr. Anburajan has published 16 high quality peer-reviewed, Science Citation Indexed (SCI) research publications and 01 book chapter in reputed, high-impact international journals with the cumulative impact factor of 42.60, and his publications have been extensively cited (186

citations) by global scientific community and discussed in prestigious journals like Nature Scientific Reports. He also submitted 258 gene sequences in GenBank (NCBI, USA).

Dr. Anburajan has guided M.Sc. students from various universities for their dissertation works at ACOSTI, Port Blair. In addition to the high-quality research undertaken, Dr. Anburajan has actively participated as Chief Scientist and Fellow Scientist in the ORV Sagar Nidhi (voyage nos. SN-134 and SN-145) and ORV Sagar Manjusha (voyage nos. 03/12 and 20/13) and covered a total of 9,585 nautical miles along the Andaman and Nicobar Islands, Arabian Sea, Indian Ocean, Gulf of Mannar, Sri Lanka coast, Bay of Bengal and Equatorial Indian Ocean and significantly contributed to the scientific success of the cruise.

In recognition to his outstanding research contributions in the field of Ocean Science and Technology, the Ministry of Earth Sciences honours Dr. L. Anburajan with the “Certificate of Merit” in the field of Ocean Science and Technology for the year, 2020.