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## **EDUCATION:**

- **Ph. D. – 2008 - 2013**

Ocean Studies and Marine Biology, Pondicherry University

**Dissertation:** Bioactive potential of Symbiotic Bacteria from some Marine Sponges in the South Andaman Sea.

- **M. Sc. – 2006 – 2008**

Marine Studies and Coastal Resource Management, Madras Christian College, University of Madras.

**Dissertation:** Studies on lead, cadmium and cobalt pollution in Ennore creek.

- **B. Sc. – 2002 – 2005**

Microbiology, Jaya College of Art and Science, University of Madras.

## **GRANTS AND AWARDS**

- **The Rufford Small Grant – Developing technology for successful transplantation of seagrass in India with respect to climate change** - July 2017 ([https://www.rufford.org/projects/dev\\_adhavan](https://www.rufford.org/projects/dev_adhavan))
- **Rajiv Gandhi National Fellowship** for Ph. D. – 2008-2012
- **Best research paper** – “Livelihoods of fisher folk in Royapuram fishing harbour”. CUTMAST '09 – Madras Christian College

## **WORK EXPERIENCE**

**Scientist C – Centre for Climate Change Studies – July 2019 – till date**

**Sathyabama Institute of Science and Technology**

- Benthic survey and marine habitat restoration at Gulf of Mannar and Palk Bay
- Bycatch assessment
- Intertidal biodiversity assessment
- Conducting Trainings and workshops on Coastal and Marine Biodiversity
- Capacity building to Forest Dept. officials and local community

**Program Coordinator (Marine Biodiversity programs) Oct 2017 – June 2019.**

**Tridel Maritime Services LLC., Dubai, UAE.**

- Ecological monitoring of Coral reef and seagrass ecosystem.
- Coral translocation at Khalifa Port (Abu Dhabi).
- Sea turtle monitoring and beach profiling (EMAL beach, Abu Dhabi)
- Assessment on marine biodiversity of the Dubai Emirate.
- Develop sustainable management plan for fish stocks.

**Consultant for Deutsche Gesellschaft fuer Internationale Zusammenarbeit (GIZ) GmbH (Indo-German Biodiversity Program) (June 2017 to July 2017)**

- Developed course manual on coastal and marine biodiversity for graduate level Science teachers.
- Provided scientific inputs in the workshop conducted by GIZ.
- Pilot tested the course manual.

**Project Scientist (WII-GIZ) (June 2015 to April 2017)**

**Wildlife Institute of India, Dehradun.**

Strengthening Capacity for Sustainable and Participatory Management of Coastal and Marine Protected Areas of India.

- Conducted refresher-training course for Indian Forest Service Officers on “Management of Coastal and Marine Biodiversity in India.
- Conducted course on “Coastal and Marine Biodiversity and Marine Protected Areas” for field-level MPA managers and frontline Forest officials in India.
- Conducted field course on marine biodiversity monitoring using SCUBA diving.
- Took part in developing course curriculum on “Coastal and Marine Biodiversity and Protected Area Management” for IFS officers, Frontline staff and Media students.
- Took part in developing Action Plans for Sea turtle conservation in India.
- Conducted technical sessions on Marine Biodiversity for M. Sc. Wildlife Biology Students.

**Marine Biologist (ICZM) (July 2013 to June 2015)**

**Marine National Park, Gulf of Kachchh, Gujarat Forest Department.**

- Took part in coral transplantation and restoration.
- Supported in Artificial Reef formation.
- Participated in Environmental Impact Assessment.
- Developed Management Plan for Khijadiya Bird Sanctuary.
- Assessed Intertidal biodiversity and analysed the results.

- Conducted Nature Education Camps.
- Trained Forest Department front line staff on Marine biodiversity conservation and assessment.

## **CERTIFICATION**

- **Post Graduate Certificate in Climate Change** – Indira Gandhi National Open University (IGNOU)- Pursuing

## **SCUBA diving**

- **Advance Open water** – Diver No – 1212AN4134. Ocean Pearl Dive Resort, Havelock Island - Andaman (Certified by PADI).

## **SCUBA DIVING EXPERIENCE**

- **Andaman, India** – Sampling for Ph. D work and benthic monitoring (35 dives)
- **Gujarat, India** – Coral monitoring, coral translocation, artificial reef formation, Seagrass restoration and benthic survey (40 dives)
- **Abu Dhabi, UAE** – Coral reef ecological monitoring and Coral translocation (35 dives)

## **TRAININGS AND WORKSHOPS**

- **First marine sponge identification workshop in India**, NIO, Goa – November 2019
- Short-term course on **‘Fishery Technology’**: **Central Institute of Fisheries, Nautical and Engineering Training (CIFNET)**, Chennai – 2006.
- An **‘International Course on Marine and Coastal Resource Management’**. Together with **the Centre for Maritime Research, University of Amsterdam**, The Netherlands and **Institute for Ocean Management, Anna University**, Chennai, India – 2007.
- Training in **‘Sea Food Quality Assurance’**: **Central Institute of Fisheries Technology (CIFT)**, Cochin - 2008.
- **National level training on Global Information System and its applications in Marine Biodiversity**, **Loyola College**, Chennai – 2008.
- **National level workshop on techniques in bioactive metabolites from Marine and other Bio-resources**: **Dept. of Biotechnology, AMET University**, Chennai - 2011.
- National Level Seminar on **‘Therapeutic and Industrial Applications of Marine Resources with Biotechnological Potentials’**.

- Participated in ‘**Training of Trainers on Participatory Methods of Training for Effective Content Delivery**’. Together with **Gujarat Forest Department** and **GIZ, Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety**, Germany – 2014.
- Participated in ‘**Training of Trainers: E-Learning for Coastal and Marine Biodiversity Conservation Management**’. Organized by Conservation and Sustainable Management of Coastal and Marine Protected Areas (CMPA) project, GIZ India and Academy for International Cooperation (AIZ), GIZ Germany.

## **COURSEWORK**

Biological Oceanography, Physical Oceanography, Chemical Oceanography, Coastal Aquaculture, Marine Bio resources, Marine Ecology, Marine Pollution, Marine Biotechnology and Socioeconomics.

## **CAMPUS INVOLVEMENT**

- NCC (Army Infantry) 2002-2005 State Level ‘C’ Certificate.

## **EXTRACURRICULAR VOLUNTEERING**

- Coral monitoring with Wildlife Trust of India (WTI)
- Community services at fishing villages
- Mangrove plantation
- Coastal clean-up

## **SKILLS**

- Language: Fluent in Tamil, English and conversational Hindi.
- Underwater photography.
- Operation of multiprobe for water quality assessment
- Underwater marine biodiversity survey/assessment

## **PUBLICATIONS**

- Mishra, J. K., Patro, S., **Adhavan, D.** and Mishra, A., 2009. Biodiversity of Rock pool organisms and their adaptive location along the coast of Port Blair. Journal of Coastal Environment, Vol 1(2009): 53-61.
- **Adhavan, D.**, Thirunavukkarasu, N., Mosses Inbaraj, R. and Deepak Samuel, V., 2012. Studies on Lead, Cadmium and Cobalt pollution in Ennore Creek. Journal of Applied Geochemistry. March 2012: 68-73.

- Patro, S., **Adhavan, D.** and Jha, S., 2012. Fouling Diatoms of Andaman waters and their inhibition by spinal extract of sea urchin *Diadema Setosum* (Leske 1778). International of Journal biodeterioration and bio degradation. 75: 23-27.
- **Adhavan, D.** and Mishra, J. K., 2012. Antibacterial property of secondary metabolites from symbiotic bacteria associated with marine sponge *Ircinia strobilina* (Lamark 1816) from Sinclair's Bay, Port Blair, South Andaman. Journal of Coastal Environment, Vol 3(2): 141-151.
- Subburaman, S., Goutham, S., Kamboj, R. D., **Adhavan, D.** and Jothi, P., 2013. Preliminary observation of Mass Coral spawning slicks at Mithapur reef, Gulf of Kachchh, West Coast of India. Asian Journal of Marine Science, Vol 1(1): 31-33.
- Subburaman, S., **Adhavan, D.** and Goutham, S., Joshi, D. and Kamboj, R. D., 2013. Checklist of Opisthobranch fauna at Mithapur reef, Gulf of Kachchh, Gujarat. Asian Journal of Marine Science, Vol 1(1): 39-42.
- **Adhavan, D.**, Kamboj, R. D., Chavda, D. V., and Bhalodi, M. M., 2014. Status of Intertidal biodiversity of Narara reef Marine National Park, Gulf of Kachchh, Gujarat. Journal of Marine Biology and Oceanography – 3:3. <http://dx.doi.org/10.4172/2324-8661.1000132>
- **Adhavan, D.**, Kamboj, R. D., Marimuthu, N. and Bhalodi, M. M., 2014. Seasonal variation and climate change that influence coral bleaching in Pirotan Island, Gulf of Kachchh Marine National Park, Gujarat. Current Science – 107(11): 1780-1781.
- **D. Adhavan**, N. Marimuthu, S. Tikadar, K. Sivakumar. 2015. Impact of Algal Bloom on Mangroves and Coral Reef Ecosystem in Marine National Park, Gulf of Kachchh, Gujarat, India. Journal of Marine Biology and Aquaculture - 1(2): 1-2.
- **Adhavan, D.**, Subburaman, S., Kamboj, R. D., Sivakumar, K. and Choudhury, B. C. 2016. First record of shark attack on Indo Pacific humpback Dolphin, *Sousa chinensis* (Osbeck, 1765) in Mithapur coast, India. Indian Journal of Marine Science – 45(10): 1317-1319.
- **D. Adhavan**, R. Chandran, S. Tikadar and K. Sivakumar. 2017. Trematode infestation in coral colonies at Poshitra reef, Gulf of Kachchh Marine National Park, Gujarat, India. Journal Threatened taxa – 9(6): 10345–10346. **DOI:** <http://doi.org/10.11609/jott.2730.9.6.10345-10346>

- N. Marimuthu, A. K. Verma, J. S. Yogesh Kumar, **D. Adhavan**, and Ch. Satyanarayana. 2018. Integrated Coastal Zone Management Project funded Coral restoration processes in Gulf of Kachchh – A present scenario. Indian Journal of Geo Marine Sciences – 47 (01): 15-19.
- **D. Adhavan**, 2020. Loss of critically endangered hawksbill turtle (*Eretmochelys imbricata*) nesting beach at EGA facility, Abu Dhabi, UAE. Journal of Threatened Taxa – Accepted.
- R. Karthik, G. Padmavati, Sachithanandam and **D. Adhavan**. 2020. Physicochemical variation in relation to primary productivity along the Port Blair Bay of South Andaman Island, India. Regional Studies in Marine Science – In review.

### **Books and Chapters in Books**

- Kamboj, R. D., Bhalodi, M. M. and **Adhavan, D.** 2014. Identification Manual for Important Marine Biodiversity of Marine National Park, Gulf of Kachchh. Marine National Park, Gujarat Forest Department, Jamnagar, India. pp 1-76.
- Mishra, J. K., Yasmin, Mishra, A., Sindhuja, J., **Adhavan, D.** and Kumar, N. P., 2015. Diversity, Distribution and Nesting Behaviour of Sea Urchins along the coast of Port Blair, South Andaman. In: Marine Faunal Diversity in India – Taxonomy, Ecology and Conservation. Edited by Krishnamoorthy Venkataraman and Chandrakasan Sivaperuman (Academic Press, imprint of Elsevier, UK). pp 107-120.

### **Training materials**

- Neeraj Khara, Pradeep Mehta, K. Sivakumar, Sarang Kulkarni, and **D. Adhavan**. 2016. Expedition Resource Material: Coastal and Marine Biodiversity and Protected Area Management in Gujarat for MPA Managers. GIZ, WII, GEER Foundation, India. Vol: 1, pp 1-100. ISBN: 978-81-933215-0-8
- Neeraj Khara, Pradeep Mehta, K. Sivakumar, Sarang Kulkarni, and **D. Adhavan**. 2016. Expedition Resource Material: Coastal and Marine Biodiversity and Protected Area Management in Maharashtra for MPA Managers. GIZ, WII, Mangrove Cell, Maharashtra, India. Vol: 1, pp 1-112. ISBN: 978-81-933215-1-5

- Neeraj Khera, Pradeep Mehta, Senthil Kumar, **D. Adhavan**. 2016. Expedition Resource Material- for IFS officer trainees. GIZ and IGNFA, India. Vol: 2. pp 1-158. ISBN: 978-81-933282-4-8
- Neeraj Khera, Pradeep Mehta, K. Sivakumar and **D. Adhavan**. 2016. Field Learning Journal Coastal and Marine Biodiversity and Protected Area Management for MPA Managers. GIZ and WII, India. pp. 134. ISBN: 978-81-933215-7-7

### **Conservation Strategy and Action Plan**

- Sivakumar, K., Kumar, R. S., Ramesh, C., **Adhavan, D.**, Hatkar, P., Bagaria, P., Kukadia, D. and Jyothi, P. 2016. Conservation Strategy and Action Plan for the Marine Turtles and their Habitats in Puducherry. Wildlife Institute of India, Dehradun. Pg. 66.

### **DECLARATION**

I am confident of my ability to grasp new and complex concepts with ease, with an intense desire to learn, analyse, and to disseminate the knowledge acquired, and to work well in a team.

I hereby declare that the information furnished by me is true to the best of my knowledge and belief.

Place: Dubai.

Thanking You,

(D. ADHAVAN)

## REFERENCES

**Prof. K. Sivakumar**, M. Phil., Ph.D.,  
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**Director GEER Foundation**  
(Former Director, Gulf of Kutch Marine National Park)  
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