

Curriculum Vitae

*Address: Dr. Abhijit Mitra
Res: 56B Belgachia Road
Bijoli Dutta Lane
Kolkata 700 037, W.B., India
Mobile:+919831269550
abhijit_mitra@hotmail.com
www.cbpcservices.com*

1. Name: ABHIJIT MITRA

2. Present position: Faculty Member, Department of Marine Science, University of Calcutta (**email: abhijit_mitra@hotmail.com**); Director, Research, Techno India University, West Bengal

3. Educational Qualification: M.Sc (***Gold Medalist in Marine Science***), Ph.D (***As NET qualified scholar***) from University of Calcutta, India.

4. Experience:

32 years *research and working experience in the following sectors:*

- a] Marine & Estuarine Biodiversity (with special reference to plankton, nekton, benthic biodiversity, mangroves, sea-and saltmarsh grass, corals)
- b] Coastal and River Pollution
- c] Aquaculture & Fisheries Management
- d] Pollution Control with special reference to Bioremediation
- e] Alternative livelihood schemes for coastal population
- f] Climate change and carbon credit
- g] Carbon mapping in Sundarban mangrove ecosystem

3 years *administrative experience in the following sectors:*

- a] Man-Animal conflict management in the hilly terrains of North Bengal (India)
- b] Development of alternative livelihood schemes and promotion of biodiversity in the hilly zone and surrounding tea estates of Darjeeling (W.B)

20+ years *teaching experience at post graduate level as permanent Faculty in Marine Science (1998 – till date), as Guest Faculty in Environmental Science (during 2006), M.Phil programme in Fishery Technology (2005 – 2009) under University of Calcutta and Conservation Biology (2007 – 2008) in Durgapur Govt. College under University of Burdwan.*

Also served as Counsellor (during 2009-10) in Environmental Science programme under Directorate of Open & Distance Learning, University of Kalyani, West Bengal

Served as a Visiting Faculty in the Department of Biodiversity and Conservation of Natural Resources at Central University of Orissa, Koraput during 2012.

5. Area of Expertise:

- a] Biodiversity conservation *with special reference to Mangrove ecosystem*
- b] Pollution monitoring and Instrumentation in relation to Oceanography
- c] Sustainable rural livelihood (in fishery sector)
- d] Fish nutrition and sustainable aquaculture
- e] Carbon mapping of soil and coastal vegetation
- f] Application of Biotechnology in livelihood sector

6. Publications:

- a] No. of Scientific Papers published: **514**
- b] No. of books published: **38 (18 of post graduate level)**

7. No. of projects undertaken: 19

8. No. of consultancy jobs undertaken in marine/estuarine sectors through CUIIPP: 12

9. No. of Seminars & Conferences attended: 89

10. Academic achievements:

✓ Secured **1st position in 1st class** (in order of merit) in the M.Sc (Marine Science) examination under Calcutta University (INDIA).

✓ Qualified **NET and obtained Ph.D with fellowship** from Calcutta University.

✓ Successfully supervised **36 Ph.D students** (From Calcutta University, Jadavpur University, Netaji Subhas Open University, Vidyasagar University and Techno India University, West Bengal) and **6 M.Phil students** (under Calcutta University).

✓ Received European Union Grant (US \$ 1200) for attending and acting as a **Chairperson in the International Mangrove Meeting at Mombasa, Kenya** during 2000.

✓ Selected as **Fellow and Convener of West Bengal Academy of Science and Technology** (Environmental Science Section) and **IUCN Member of Commission on Ecosystem Management (CEM)**.

✓ **A collaborative International programme was initiated during 2006-07 with University of Massachusetts, USA for preparation of environmental quality map for the aquatic subsystem of Lower Gangetic region through CUIIPP platform.**

✓ Invited as a **Visiting Fellow** at The School of Marine Science & Technology, **University of Massachusetts at Dartmouth, USA** to deliver a series of lectures on Climate change and Biodiversity during 2nd May 2008 to 3rd June 2008.

✓ Selected as the **Member of Climate Change Sectoral Committee** under **Department of Science and Technology, Govt. of India** during 2010-11.

✓ Selected as the **Senate Member and Convener** of Ph.D programme in Marine Science under Calcutta University during 2012.

✓ Invited as a **Chairperson** in the Technology Fair & 5th Environment Partnership Summit organized by the **Indian Chamber of Commerce**, Kolkata during 2nd & 3rd March, 2012 and delivered keynote address on seaweed culture and its role in carbon mitigation.

✓ Elected as the **Executive Committee Member of Mangrove Society of India, Dona Paula, Goa** during 2012.

✓ Received the **INSA award for 2012-13** to carry on research programme jointly with the faculty of IIT (Kharagpur) on ecological modeling in Bay of Bengal (inshore region).

11. Extension work/Community Service:

■ Collaborated with Forest Department (Govt. of West Bengal) for development of ecofriendly pisciculture practice in Indian Sundarbans.

■ Served as Expert Member of Working Group for the eco-region, east coast, in context to formulation of the National Biodiversity Strategy Action Plan (NBSAP) under the Ministry of Environment & Forests, Govt. of India & National Biodiversity Strategy Action Plan (NBSAP) in the coastal zone section under Govt. of West Bengal.

■ Imparted training on biodiversity assessment, EIA, Livelihood development schemes and CSR to NGOs, Corporate sectors and Govt. sectors.

12. Other relevant information:

■ Completed 2 Refresher Courses (as participant) and served as Resource Person in 4 UGC sponsored Refresher Courses.

■ Served as Advisor of Nature, Environment & Wildlife Society [NEWS] during 2007-08 **for developing alternative livelihood programmes (like seaweed culture, oyster culture etc.) in Indian Sundarbans Mangrove ecosystem** in context to Climate Change Programme funded by British Deputy High Commission.

■ Served as Advisor of Envirotech East Pvt. Ltd. (in Marine ecology sector) during 2009 for establishing industrial HUB at Nayachar Island, in the Hugli estuarine stretch of West Bengal.

■ Served as consultant to TATA STEEL during 2008-09 in connection to development of a programme on **Carbon Credit** through plantation in mining zones of India.

■ Acted as the coordinator of the Training Programme on Mangrove Management for Carbon credit during 2009-10 in collaboration with the Dept. of Forest, Govt. of West Bengal. Also imparted training on water quality analyses to staffs of West Bengal Forest Department during 2011-12.

■ Published **5 books** of International repute by **SPRINGER** entitled “...**Sensitivity of mangrove ecosystem to climate change...**”, “...**Blue carbon reservoir of the blue planet...**”, “...**Basics of marine and estuarine Ecology...**”, “...**Estuarine Pollution in the Lower Gangetic Delta...**”, “...**Mangrove forests in India: Exploring ecosystem services...**” during 2013-14, 2014-15, 2015-16 and 2018-19 respectively.

■ Developed low cost marine floral based organic fertilizer as a part of alternative livelihood for coastal population during 2015

■ Developed fish feed from marine floral components, mangrove detritus and seaweeds and initiated marketing during 2015 under the banner of PORSHEE (Progressive Organisation of Rural Service for Health, Education, Environment), West Bengal, India; presently elected as the President in PORSHEE.

■ Served as consultant to TATA STEEL project at Kalinganagar, Odisha in the area of plantation, floral biodiversity and carbon sequestration by endemic floral species during 2014-15.

■ Developed **Carbon ID card of dominant trees in Konnagar Municipality**, West Bengal (India) with an attempt to evaluate the carbon storage potential of urban trees and mitigate the local level carbon dioxide rise (envis.nic.in/ifgtb/.../Trees%20get%20identity%20cards%20in%20Kolkata%20suburb).

■ Completed CSIR funded project entitled “Vulnerability Assessment and development of adaptation strategies for Climate Change impacts with special reference to coasts and island ecosystems of India (**VACCIN**) during 2016-17.

■ Served as consultant to TATA STEEL in the area of biodiversity (both floral and faunal) and carbon sequestration by endemic floral species in and around TATA mines of Odisha and Jharkhand during 2018-19.