

## Dr. Prantick Patra – Resume

### Personal information

Date of birth: 01/05/1988

Nationality: Indian

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### Academic qualification

- |                 |   |
|-----------------|---|
| 08/2014-11/2021 | Doctor of Philosophy in Science (AcSIR)<br>Biological Oceanography Division, National Institute of Oceanography, Goa, India<br>Guide: Dr. C. Mohandass  |
| 04/2013-07/2014 | Junior Research Fellow, Zoological Survey of India<br>Project: “Assessing the current status of the coral reef ecosystem and formulating a long-term protocol for Sindhudurg Coast, Maharashtra”. |
| 04/2011-03/2013 | Master of Science, Marine Biotechnology<br>Goa University, Goa, India<br>Overall grade: Very good; Overall CGPA 7.99  |
| 04/2008-03/2011 | Batchelor of Science, Genetics<br>Institute of genetic engineering (WBUT), Kolkata<br>Overall grade: Outstanding; Overall CGPA 8.4  |
| 04/2005-03/2008 | Studied Chemistry at Midnapore College  |
| 04/2003-03/2005 | Higher secondary education (First division; 73.2%). West Bengal Council of Higher Secondary Education   |
| 04/2001-03/2003 | Secondary education (First division; 86.7%), West Bengal Board of Secondary Education   |

### Publications

- ♦ **Patra, P.**, Mohandass, C., & Chakraborty, P. (2019). Snapshot of environmental conditions in different tropical estuarine systems by using *S. cucullata* (an edible oyster) as a bio-indicator. *Environmental Science and Pollution Research*, 26(11), 11342-11354. [IF: 4.22]
- ♦ **Patra, P.**, Mohandass, C., Chakraborty, P., & Seleyi, S. C. (2021). Biochemical responses of oysters in evaluating the environmental quality of tropical Indian estuarine systems. *Chemosphere*, 278, 130338. [IF: 7.09]

### Under communication

- ♦ Seleyi, S. C., Ravindran, C., Mohandass, C., **Patra, P.** (2022). Role of the culturable bacterial community in carbon dynamics of the tropical mangrove swamps and their adjacent waters (Submitted to FEMS Microbiology Ecology).

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### **Scholarships**

08/2016-08/2019	UGC senior research fellowship (SRF)
08/2014-08/2016	Joint CSIR-UGC junior research fellowship (JRF)
04/2011-03/2013	Department of Biotechnology (DBT) fellowship during Master's degree
2003	National scholarship during 10 <sup>th</sup> grade
2001	State scholarship during 8 <sup>th</sup> grade

### **Academic achievements**

2013	Ranked 3 <sup>rd</sup> in the university during M.Sc.
2011	Ranked 3 <sup>rd</sup> in the university during B.Sc.

### **Other achievements**

2019	Became a reviewer of the Marine Pollution Bulletin Journal
2013	Became certified recreational diver from Scooba school international (SSI)

### **Teaching experience**

- ♦ 08/2016-11/2020: Guided four master's students during their dissertation.
- ♦ 04/2013-07/2014: Supported 10 bachelor students in the morphological identification of biogenic reef-associated organisms (gastropods, bivalves, and fish) in the laboratory. In addition, demonstrated scientific methods for sampling a reef habitat to bachelor students.

### **Skills**

- ♦ Morphological/molecular characterization of bacteria
- ♦ Metal content analysis in samples using graphite furnace atomic absorption spectrometry (GFAAS)
- ♦ Ecotoxicological risk assessment with future trend prediction
- ♦ Assess seafood quality for consumption
- ♦ Protein and enzyme activity estimation using UV-VIS spectrophotometer and microplate reader
- ♦ Culturing and dissecting oysters
- ♦ Total carbon (IC and OC) analysis from water, sediment, and oysters using an elemental analyzer
- ♦ Nutrients analysis with an auto-analyzer
- ♦ Knowledge of statistical software like IBM®SPSS v 25.0. and SigmaPlot 12.0

### **Onboard sampling experience**

- ♦ Five days of onboard sampling (RV Sindhu Sankalp) using CTD and corers, with sediment mooring deployment and recovery experience in the Arabian Sea, during AcSIR coursework in Feb' 2015.

### **Workshop participation**

- ♦ Two-day workshop on “**Management of Persistent Organic Pollutants in India: Need and Gap Analysis**” organized by CSIR- National Environmental Engineering Research Institute, Nagpur, from 17-18th July 2019.

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- ♦ Two-day workshop on “**National Workshop on the Awareness of Marine Plastic Debris in Indian Seas (Pollution & Solution)**” jointly organized by the Centre for Ocean Research and Department of Visual Communication and Sathyabama Institute of Science and Technology, Chennai, from 22-23rd January 2020.

### Dissertation and internship

- ♦ 06/2012-03/2013: Masters’ dissertation on “Antimicrobial activity of mangrove leaf”. Grade: A-. Guide: Dr. Usha Muraleedharan.
- ♦ 05/2012-06/2012: Summer internship at Bharat Serum and Vaccine LTD, Mumbai, India. Guide: Dr. Sanjeev Ghadi and Aldon Fernandes
- ♦ 11/2010-03/2011: Batchelor dissertation on “Extraction of curcumin and phytic acid from natural compounds”. Grade: A. Guide: Dr. Sudipa Chakravarty

### Societal service

05/2015-07/2015      Participated in a public health awareness campaign in a rural area to improve the perception of the local community about drinking water, sanitation, and hygiene. Area: Muradih, Purulia  
Supervisor: Dr. Paramita Patra

### Language spoken

- ♦ Bengali (mother tongue)
- ♦ English (fluent)
- ♦ Hindi (fluent)

### Referee 1-

Dr. C. Mohandass (Ph.D. Supervisor)  
Scientist in Charge (retired)  
CSIR- National Institute of Oceanography (RC-Mumbai)  
Lokhandwala Complex Rd  
S V Patel Nagar Andheri West  
Mumbai- 400047, India  
email: [cmohan@nio.org](mailto:cmohan@nio.org)  
Phone: 09422415648

### Referee 2-

Dr. Parthasarathi Chakraborty  
Associate Professor  
Centre for Oceans, Rivers, Atmosphere and Land Sciences (CORALS)  
Indian Institute of Technology  
Kharagpur-721302, India  
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Dr. Prantick Patra  
Date: 20/10/2022