

## **CURRICULUM VITAE**

**Full Name:** **Dr. Gahul Amin**

**Present Designation:** *Assistant Professor of Physics (Since 20-08-2015)*  
**Netaji Subhas Open University**

**Past Designation:** *Assistant Professor of Physics*  
*Chanchal College (13-01-2003 to 19-08-2015)*

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**Nationality:** Indian

**Gender:** Male

**Health:** Excellent

### **EDUCATIONAL QUALIFICATIONS**

**1. Ph. D. in Environmental Science: Awarded on 02/04/2014.**

#### **Ph. D. THESIS TITLE**

*“Studies on Physico-Chemical variables in and around eastern Indian Sundarbans with special reference to dissolved heavy metals.”*

**Supervisor: Dr. Abhijit Mitra**

**Department of Marine Science, University of Calcutta**

35, B. C. Road, Kolkata – 700 019, West Bengal, India.

**2. M. Sc. in Physics (Special Paper- Electronics and Radio Communication), University of North Bengal, India, 1999- First Class.**

## FELLOWSHIP AND AWARDS:

- **Qualified National Eligibility Test (NET) for Junior Research Fellowship** conducted by Council of Scientific and Industrial Research Organization, Government of India, July 2001.
- **Qualified National Eligibility Test(NET) for Lecturer ship in colleges and Universities** conducted by Council of Scientific and Industrial Research Organization, Government of India, February 2001
- **Junior Research Fellowship (JRF)**, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, India, May 2001 – Jan 2003.
- **Graduate Aptitude Test in Engineering (GATE)** qualified with **98.87** percentile (**All India ranking 19**), Government of India, Mar 2001.

## LIST OF PUBLICATIONS:

1. Atanu Roy, **Gahul Amin**, Suresh Kumar Agarwal, Prosenjit Pramanick, Anuradha Banerjee, Madhumita Roy and Abhijit Mitra: *Water Quality Index (WQI) of East Kolkata Wetland using Dissolved Oxygen as Proxy*. International Advanced Research Journal in Science, Engineering and Technology. Vol. 3, Issue 2, February 2016.
2. **Gahul Amin**, Sujoy Biswas, Sufia Zaman, Prosenjit Pramanick, Subrata Trivedi and Abhijit Mitra: *Prediction of Dissolved Oxygen in Indian Sundarbans: Vision 2050*. International Advanced Research Journal in Science, Engineering and Technology. Vol. 2, Issue 12, December 2015.
3. **Gahul Amin**, Sufia Zaman, Shayeri Das, Prosenjit Pramanick, Tanmoy Rudra, Arnesha Guha, Kinsuk Purkait and Abhijit Mitra: *Future Trend of Phosphate in and around the World Heritage Site of Indian Sundarbans*. Journal of Environmental Science, Computer Science and Engineering & Technology. September 2015- November 2015; Sec.A; Vol.4.No.4.
4. **Gahul Amin**, Sufia Zaman, Tanmoy Rudra, Arnesha Guha, Nabonita Pal, Prosenjit Pramanick and Abhijit Mitra: *Spatio-Temporal Variation of Nitrate in the Lower Gangetic Delta Water*. International Journal of Innovative Studies in Aquatic Biology and Fisheries (IJISABF). Volume 1, Issue 1, Jul-Sep 2015, PP 1-7.
5. Sufia Zaman, Sangita Agarwal, Ankita Mitra, **Gahul Amin**, Prosenjit Pramanick and Abhijit Mitra: *Impact of Aila on the Dissolved Oxygen Level in the Indian Sundarbans Region*. Journal of Energy, Environment and Carbon credits. Vol-5, Issue-3, (2015) 1-4.

6. K. Banerjee, S. Chakraborty, R. Paul, G. Bal, S. Zaman, P. Pramanick, **G. Amin**, P. Fazli, A. Mitra: *Macrobenthic Molluscan Diversity in the Major Intertidal Zones of the Maritime States of India*. Journal of Environmental Science and Pollution Research 1(1) (2015) 8–11.
7. Subrata Trivedi, Shankhadeep Chakraborty, Sufia Zaman, Prosenjit Pramanick, Pardis Fazli, **Gahul Amin**, Abhijit Mitra: *Impact of Salinity on the Condition Factor of Commercially Important Fin Fish in the Lower Gangetic Delta*. Journal of Environmental Science, Computer Science and Engineering & Technology 04/2015; 44(22):473-480.
8. Suresh Agarwal, Tanmoy Rudra, Harekrishna Jana, Arnesha Guha, Chandra Sekhar Bhowmick, Kinsuk Purkait, **Gahul Amin**, Sufia Zaman, Abhijit Mitra: *CONCENTRATIONS OF ZINC, COPPER, LEAD AND CADMIUM IN EDIBLE FIN FISHES OF COASTAL WEST BENGAL, INDIA*. INTERNATIONAL JOURNAL OF INSTITUTIONAL PHARMACY AND LIFE SCIENCES 5(1), Jan-Feb 2015.
9. Abhijit Mitra, Bulti Nayak, Prosenjit Pramanick, Madhumita Roy, Shankhadeep Chakraborty, Kakoli Banerjee, **Gahul Amin**, Sufia Zaman: *Heavy metal accumulation in a mangrove associate species Ipomoea pes-caprae in and around the World Heritage Site of Indian Sundarbans*. Journal of Environmental Science, Computer Science and Engineering & Technology 12/2014; Section-A, Vol-4.
10. Kakoli Banerjee, **Gahul Amin**, U S Parkhi, SubrataDebnath, ProsenjitPramanick, SufiaZaman, Nabonita Pal, PavelBiswas, AbhijitMitra: *BEST FROM THE WASTE: A CASE STUDY OF WATER HYACINTH*. INTERNATIONAL JOURNAL OF UNIVERSAL PHARMACY AND BIO SCIENCES 3(6), Nov-Dec 2014.
11. Kakoli Banerjee, **Gahul Amin**, Shankhadeep Chakraborty, Prosenjit Pramanick, Rajrupa Ghosh, Pardis Fazli, Sufia Zaman, Pavel Biswas, Nabonita Pal, Abhijit Mitra: *Bioaccumulation Pattern of Heavy Metals in Saltmarsh Grass (Porteresiacoarctata) of Indian Sundarbans*. Journal of Energy, Environment and Carbon Credit, 10/2014.
12. Tanmoy Rudra, Prosenjit Pramanick, Kakoli Banerjee, Pardis Fazli, Sufia Zaman, Asit Kumar Bhattacharjee, **Gahul Amin**, Abhijit Mitra: *Community Structure of Mangroves: A Case Study from Indian Sundarbans*. International Journal of Universal Pharmacy and Bio-Sciences 3(6), Nov-Dec 2014.
13. Sufia Zaman, Utpal Kumar De, Prosenjit Pramanick, Subhasree Thakur, **Gahul Amin**, Pardis Fazli, Abhijit Mitra: *Forecasting Heavy Metal Level on the Basis of Acidification Trend in the Major Estuarine System of Indian Sundarbans*. Journal of Energy, Environment and Carbon Credits, Vol-4, Issue-2, 2014.

14. Abhijit Mitra, Sufia Zaman, Harekrishna Jana, Tanmay Ray Chaudhuri, **Gahul Amin**, U.K. Deand Somnath Das, Status of Heavy Metal in the Lower Gangetic Delta: Implication of Acidification on Compartmentation, *Environmental Analytical Chemistry*, Volume 1 • Issue 2 • 111(2014).
15. Abhijit Mitra, **Gahul Amin**, G.Chakraborti and Kakoli Banerjee, Heavy metals in edible fish muscles from Gangetic delta-how safe for consumption? . *National Academy Science Letter*, Vol 32, No. 11& 12, (2009).
16. Kakoli Banerjee, Riti Bhattacharjee, **Gahul Amin**, Somnath Das and Abhijit Mitra, Concentration of dissolved Zn,Cu and Pb in and around Indian Sundarbans: A time series analysis. *Science and Culture*, Rajabajar Science College, Calcutta University **2008**.
17. D. Basak\*, **G. Amin**, B. Mallick, G. K. Paul, and S. K. Sen, Photoconductive UV detectors on sol-gel-synthesized ZnO films. *J. Cryst. Growth* 256, 73 (2003).

### **Paper presented in National Seminar:**

1. “*Phytopigment spectrum in and around eastern Indian Sundarbans*” at **National Seminar on Marine & Estuarine Biodiversity**, organized by Central Calcutta Science & Culture Organisation for Youth in Co-operation with **Department of Ocean Development, Government of India**, February 26-27, **2006, Kolkata**, India.
2. “*Interrelationship between phytopigment level and hydrological parameters in and around Indian Sundarbans*” at the **National seminar on Environment and Development** organized by West Bengal Academy of Science and Technology, February 22-23, **2008, Kolkata**, India.

### **ATTENDENCE OF NATIONAL CONFERENCES:**

1. **National Seminar on Marine & Estuarine Biodiversity** organized by Central Calcutta Science & Culture Organisation for Youth in Co-operation with **Department of Ocean Development, Government of India**, February 26-27, **2006**, venue Science City, **Kolkata**, India.
2. **National seminar on Environment and Development** organized by West Bengal Academy of Science and Technology, February 22-23, **2008**, venue Central Glass and Ceramic Research Institute, Jadavapur, **Kolkata**, India.
3. **National Seminar on Understanding hazards and their Mitigation Options** organized by School of Sciences, Nataji Subhas Open University, March 28-29, **2014** Venue S.N.Bose centre of Basic Sciences, Saltlake, Kolkata, India.

## **INTERNATIONAL CONFERENCES:**

1. A paper for **poster presentation** entitled “Interrelationship between phytopigment level and hydrological parameters in and around Indian Sundarbans” accepted at the conference on **Climate Change and Systematics** organised by the Department of Botany, School of Natural Sciences, Trinity College Dublin, 1st-3rd September **2008, Dublin, Ireland.**
2. A poster entitled “**Oscillation of Phytopigment in the major estuaries of Indian Sundarbans.**” presented in the International Seminar on Environment and Ecology; ICEE 2015, Science City, Kolkata, India.

### **Research Interest:**

- **Heavy Metal Pollution.**
- **Aerosol Optics.**
- **Pollution and Climate Change.**
- **Statistical Analysis of Environmental data.**

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Date: 06-04-2016