

**Name: Dr. Munna Bhattacharya**  
**Designation:** Research Associate  
**Center of Innovative and Applied Bioprocessing (CIAB)**  
(A National Institute under Department of Biotechnology,  
Government of India)  
Knowledge city, Sector - 81, SAS Nagar,  
Mohali-140306 Punjab, India  
Date of Joining: 29th October, 2018  
E-mail:[munna@ciab.res.in](mailto:munna@ciab.res.in); [mna.bht@gmail.com](mailto:mna.bht@gmail.com)



### **Education:**

- **Ph. D (Tech.)** in Chemical Technology, University of Calcutta, Kolkata, 2016
- **PG Diploma in Patent Laws** from NALSAR University of Law, Hyderabad, 2014
- **M.Tech** in Biotechnology from WBUT, Kolkata, 2011
- **B.Tech** in Biotechnology from WBUT, Kolkata, 2008

### **Area of Specialization:**

Biochemical engineering; Valorization of wastes for production of value-added products; Biopolymers; Microbial process and product optimization for industrial use; Kinetic modeling and simulation of microbial process, Design of experiments for process scale up in batch scale bioreactor;

### **Current Responsibility at CIAB:**

“Technology development and process up-scaling of nanocellulose preparation from algal biomass residues”

### **Previous Work Experience:**

- Assistant Professor (Biotech), Dept. of Applied Science, Swami Devi Dyal Group of Professional Institutions, Panchkula (2018-2018)
- Senior Research Assistant (SRA) under TEQIP Phase II, Govt. of India at University of Calcutta, Kolkata (2012-2015)
- Research Trainee (Synthetic Organic Chemistry) at CHEMBIOTEK Research International, Kolkata (2008-2009)

### **Achievements/Awards/Scholarships:**

- Received Senior Research Assistantship during Ph.D from TEQIP Phase II, Govt. of India.
- Received a project grant of Rs. 50,000 from TEQIP-II (Govt. of India) R&D activities (Ref. No. TEQIP-II/R&D/13/105(16) in 2013
- Qualified GATE (Biotechnology) in 2011 (AIR- 2336).

### **Research Paper Publications:**

- **Biocatalysis and Agricultural Biotechnology** 3 (2014) 167-176. (Elsevier)
- **Indian Journal of Biotechnology** (July Special issue) 13 (2014) 293-300.
- **Bioprocess and Biosystems Engineering** 38 (2015) 2095-2106 (Springer)
- **3 Biotech**, 5 (2015) 807-817 (Springer)
- **International Journal of Current Microbiology and Applied Sciences** 4 (2015) 169–178
- **Environmental Technology and Innovation** 8 (2017) 299-308 (Elsevier)
- **Journal of Environmental Hazards** 1 (2018) 101-105.

**Book Chapter Publications:** In: Adhikary K et al. (Eds) Environment: Pollution and Protection, pp 55-65 (2015), Narosa Publishing House Pvt. Ltd. New Delhi, India (ISBN No. 978-81-8487-4105)