

Curriculum Vitae

Mr. SUBHANKAR BARUA.



Professional Details

Current position: Assistant Professor

Department: Department of Microbiology

Institution: Asansol Girls' College.

Personal Details

Father's Name: Sri Pradip Barua

Date of birth: 6th September 1991.

Nationality: Indian

Religion: Buddhism

Hobby: Working in Computer, Music

Language Known: English, Hindi, Bengali

Residential Address: 777/1, Sarat Chatterjee Road
Nirmala Apt Flat-4B
HOWRAH-711104

Mobile No: +91-9804211278

Email : baruasubhankar91@gmail.com

Education

Year	Institution	Board / University	Marks
2007 (10th)	St. Thomas' High School, Howrah	Council For The Indian School Certificate Examination	72%
2009 (10+2)	St. Thomas' High School, Howrah	Council For The Indian School Certificate Examination	62%
2009-2012 (B.Sc.)	Dinabandhu Andrews College, Kolkata	University Of Calcutta	54.4% in Microbiology (Honours)
2012-2014 (M.Sc.)	Vijaygarh Jyotish Ray College	University Of Calcutta	58.2% (M.Sc. Microbiology)

Academic Achievements

- Qualified for **CSIR-Junior Research Fellow** in Life Science (Sr. No: 1121530652) in December 2015.
- Qualified for **UGC- Junior Research Fellow** in Life Science (Sr. No: 2061630775) in June 2016.

Research Experience

M.Sc Desertation

Title: Detection of BCR-ABL fusion gene in Chronic Myeloid Leukemia

Supervisor: Dr. Shila Chakraborty. Calcutta Medical College

- **Research fellow in Project:** *Metagenomic and metatranscriptomic analysis of temporal change in bacterial community structure and function in agricultural soils under natural and anthropogenic stress. January 2015-December 2015*
- **Research fellow in Project:** *Study of heavy metal biosorption by PIXE on extracellular substances (EPS) of bacterial biofilm community enriched from sewage water. December 2015-July 2016*

Currently: Research For PhD Degree under CSIR-JRF Fellowship Scheme

Proposed Title: Community Genomics and Meta-analysis of microbial arsenic cycling in Aquifer Sediment of Bengal delta plain.

Supervisor: Dr. Shilajit Barua, Assistant Professor. Dept. of Microbiology. Vijatgarh Jyotish Ray College

Seminars and Abstracts

- Enrichment of heavy metal tolerant EPS producing community for developing a heavy metal absorbing biofilm. In abstract book of Regional Science Congress organized by DST, Govt of West Bengal in 2016.
- Enrichment of heavy metal tolerant EPS producing community for developing a heavy metal absorbing biofilm. In UGC sponsored national seminar on Chemistry in Human Life Current Aspects organized by Gurudas College in collaboration with IISER Kolkata in 2016
- Analysis of plant growth promoting activity of fluorescent *Pseudomonas* isolated from vermi-compost. In UGC sponsored national seminar on Chemistry in Human Life Current Aspects organized by Gurudas College in collaboration with IISER Kolkata in 2016.

- 2nd price in Poster presentation in the UGC-sponsored National Level Seminar on “Modern Trends in Environmental Microbiology” organized by Department of Microbiology, Scottish Church College (in collaboration with Bose Institute, Kolkata in 2017
- Feldspar Solubilization and Slime Production by silicate bacteria for potential utilization in Ceramic Industry. In abstract book of Regional Science Congress organized by DST, Govt of West Bengal in 2017.
- Isolation and study of Petroleum Degrading bacteria. In abstract book of Regional Science Congress organized by DST, Govt of West Bengal in 2017.

List of Publications:

1. Barua, S., **Barua, S.** and Ahikari, J (2016) Insights into microbe mediated arsenic release to groundwater: focusing on Bangladesh and India. *Journal of Bacteriology and Mycology* 2(4): 00029. DOI: 10.15406/jbmoa.2016.02.00029
2. **Barua, S.**, Hait, A. and Barua S. (2017) Metatranscriptomic study of microbes in environment: A community function based approach. *Journal of Bacteriology and Mycology Open Access* 4(1): 00078. DOI: 10.15406/jbmoa.2017.04.00078.
3. **Barua, S.**, Hait, A. and Ghosh, R. and Barua S. (2018). Use of silicate bacteria in processing fly ash based ceramics. *Education, Research and Analysis*. (UGC Recognized Journal ISSN No: 2348-571X). (Accepted for Publication)
4. Hait, A., Sadhukhan, M., Ghosh, D., **Barua, S.** and Barua, S. (2018). Establishment of pigment producing Pseudomonas as biomarkers for plant growth promotion in vermicompost. *Education, Research and Analysis* (UGC Recognized Journal ISSN No: 2348-571X). (Accepted for Publication).
5. **Barua, S.**, Das, S., Chowdhury, S., Mondal, P., Mondal, V.D. and Barua, S. (2019). Community Genomic Analysis of Dissimilatory Arsenate Reducing Bacteria in Aquifer Sediments of Bengal Delta Plain. In: *Microbes In Our Life*. Department of Microbiology, Vijaygarh Jyotish Ray College (Eds). Kalyani Foundation For Media Science and Community Research, Kolkata. pp. 154-168 (ISBN No: 978-81-938439-8-7)

Interests

- **Reading, Working in Computer, Browsing INTERNET.**
- **Getting updated with the recent developments in the field of Biology.**
- **Teaching**

About Myself

I always try to gather knowledge and increase my awareness level. I try to fulfill the responsibility given to me. I love to work co-operatively and serve my country better through my work.