

# BARNALI SENGUPTA

[barnalisengupta83@gmail.com](mailto:barnalisengupta83@gmail.com)

## Present Address:

School of Mines & Metallurgy,  
Kazi Nazrul University, Nazrul  
Road, Kalla Bypass More,  
P.O. Kalla, (C.H.),  
Asansol- 713340,  
Dist. Paschim Burdwan,  
West Bengal, India  
Contact No: +919432177473

## Permanent Address:

92/4, Basudevpur Road, Behala,  
Kolkata – 700061  
West Bengal, India  
Contact No: +919432177473



## **Educational Background**

Examinations passed	Year	Institution/University	% of marks obtained/CGPA
PhD (Metallurgy and Materials Engineering)	2017-present	Indian Institute of Engineering Science & Technology (IEST) Shibpur	-
M. Tech. (Metallurgical and Materials Engg)	2007-2009	Indian Institute of Technology (IIT) Kharagpur	9.47/10.0
B. E. (Metallurgical Engineering)	2002-2006	Jadavpur University, Kolkata	76.9 %

## **Awards and Achievements**

- **Stood first** among girls in South 24 Parganas District during Madhyamik Examination.
- **Qualified** WBJEE in 2006.
- **Qualified** Graduate Aptitude Test in Engineering (GATE), 2006
- **Recipient of DST Women Scientist A**

## Projects

### B.E project

**Project Title:** Extraction of titanium from rutile by methane-magnesium vapour

**Thesis Supervisor:** Dr. Dinabandhu Ghosh

### M.Tech project

**Project Title:** Damage analysis of structural materials by magnetic parameter based NDE

**Thesis Supervisor:** Prof Dr K.K. Ray

### PhD Topic

**Title:** In situ metal matrix nanocomposites: Effect of microstructural parameters on mechanical properties

**Thesis Supervisor:** Prof Dr A. Basu Mallick

## Teaching Experience

- Worked as **Visiting Faculty** in **Department of Metallurgy and Materials Engg, IEST Shibpur** from September 2018 to December 2018

## Research Experience

Period	Organization	Designation
July 2017 – December 2018	Department of Metallurgy and Materials Engg, IEST Shibpur	PhD Scholar
January 2017 - July 2017	CSIR-Central Glass And Ceramic Research Institute (CGCRI), Kolkata	Project Assistant – Level III
June 2016 – October 2016	CSIR-Central Glass And Ceramic Research Institute (CGCRI), Kolkata	Junior Research Fellow

## Industrial Experience

Period	Organization	Designation
July 2009 – April 2011	M.N. Dastur & Company (P) Ltd, Kolkata	Engineer
May 2011 – February 2016	M.N. Dastur & Company (P) Ltd, Kolkata	Senior Engineer

## Papers presented in the conferences

Title of the paper	Title of the seminar	Organizing authority	Year of presentation
Damage analysis in structural materials by magnetic parameter based NDE	NMD ATM 2010	Indian Institute of Metals	2010
Synthesis of polymer microspheres by emulsion polymerization for biomedical applications	ICFNM 2016	IEST Shibpur	2016

## Personal Information

**Father's Name** : Prolay Kumar Sengupta  
**Sex** : Female  
**Date of Birth** : 5<sup>th</sup> March, 1983  
**Nationality** : Indian  
**Languages Known** : Bengali, English, Hindi

## Declaration

I hereby declare that the above informations are true to the best of my knowledge.

Barnali Sengupta