



**MAUSUMI  
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Engineering

B.Tech Calcutta University, 1992  
M.Tech IIT Kharagpur, 1995  
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## RESEARCH AREA

- Sorption/ bioseparation
- Nanomaterial
- Environmental Engineering/ Waste water treatment

## CURRENT RESEARCH

- Biomass conversion
- Nanomaterial for metal removal from waste water
- Effluent water treatment
- Cleaner production in industry

## PUBLICATION: 30

- International Journal: 1 (+2 Under Review)
- International Conference Proceedings: 10
- National Journal: 7
- National Conference Proceedings: 12

## PROJECTS HANDLED

- MHRD Thrust Area (Co-investigator): Metal removal by membrane separation
- IEI -R & D (Investigator): Metal removal by biosorption

## SELECTED PUBLICATIONS

Mausumi Mukhopadhyay, S. B. Noronha and G. K. Suraishkumar. (2007). "Kinetic modeling for the biosorption of copper by pretreated *A. niger* biomass". *Bioresource Technology Journal*. 98, 1781-1787.

Mukhopadhyay, M., Noronha, S. B. and Suraishkumar, G. K. "Copper removal from wastewater by biosorption". Published in 2006 Spring National Meeting and the World Congress on particle Technology-5 Proceeding, Orlando, FL, USA, AIChE. 2006.

Patel, A., Jadav, V. and Mukhopadhyay, M. "Potential Utilization of Sugar Industry Waste for Removal of Color from Textile Industry Effluent". Published in World Water and Resources Congress-2006 Proceeding, Omaha, Nebraska, USA, ASCE. 2006.

Vekariya, A. C., Lakhani, A. J. and Mukhopadhyay, M. (2005). "Bio-diesel production by using waste vegetable oil". *Offshore World*, 3 (1), 69-72.

Mukhopadhyay, Mausumi. (2004). "Reverse Micellar Separation of Protein". *Chemical Engineering World*, 39 (3), 81-83.