Name: Dr Bandana Chakrabarty

Designation: Associate Professor

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Qualification: B.E , Assam Engineering College

M.Tech, IIT Roorkee

Ph.D, IIT Guwahati (Research area: Membrane Separation Techniques)

Experience: 26 years in teaching

Areas of Interest:

- Chemical Reaction Engineering
- Heat Transfer Operation
- Process Calculation
- Design
- Membrane Separation Processes

List of Publications:

Serial No.	Title	Journal
1	Structural and Transport Property Enhancement of Polysulfone Membrane due to PEG as Additive	International Journal of Chemical Sciences 5(4) (2007) 1873 – 1881
2	Effect of Molecular weight of PEG on Membrane Morphology and Transport Properties	Journal of Membrane Science 309 (2008) 209 – 221 (Published by Elsevier)
3	SEM analysis and gas permeability test to characterize polysulfone membrane prepared with polyethylene glycol as additive	Journal of Colloid and Interface Science 320 (2008) 245 – 253 (Published by Elsevier)
4	Preparation, characterization and performance studies of polysulfone membranes using PVP as an additive	Journal of Membrane Science 315 (2008) 36 – 47 (Published by Elsevier)
5	Ultrafiltration of stable oil-in-water emulsion by polysulfone membrane	Journal of Membrane Science 325 (2008) 427 – 437 (Published by Elsevier)
6	Ultrafiltration of oil-in-water emulsion: Analysis of fouling mechanism	International Journal of Geomechanics and Engineering Vol. 1 No.5 , 2010 (Published by Techno Press)
7	Cross-flow ultrafiltration of stable oil-in-water emulsion using polysulfone membranes	Chemical Engineering Journal 165 (2010) 447–456 (Published by Elsevier)
8	Preparation and Characterization of novel Ceramic Membranes for Micro-filtration Applications	Ceramics International, 42 (2016), 14326-14333 (Published by Elsevier)
9	Separation of oil from oily wastewater using low cost ceramic membrane	Korean J. Chem. Eng., 34(10), 2559-2569 (2017)