



Dr. Debasis Ghosh
Assistant Professor

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PAN No. : ASPPG2782A

Key Research Area

- Classical & Molecular Thermodynamics
- Advanced Separation Processes
- Nanotechnology
- Bio-medical Engineering

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Location: Room No.CH 103 (Chemical Reaction Engineering Lab)

Education:

Ph. D (Department of Chemical Engineering, IIT Guwahati)

M.Tech. (Energy Sc. & Tech., J.U.)

B.E. (Department of Chemical Engineering, J.U.)

Major Research Interest(s):

- Preparation and characterization of low-cost composite ceramic membrane and their application in monitoring environmental pollution
- Nanotechnology in drug delivery and their application
- Green Technology and their applications

Publications:

- **Ghosh, D., Sinha, M.K., Purkait, M.K., 2013, A comparative analysis of low-cost ceramic membrane preparation for effective fluoride removal using hybrid technique, *Desalination* 327, 2-13 (<http://dx.doi.org/10.1016/j.desal.2013.08.003>)**
- **Ghosh, D., Medhi, C.R., Purkait, M.K., 2008, Treatment of fluoride containing drinking water by electrocoagulation, *Chemosphere* 73, 1393-1400 (doi: 10.1016/j.chemosphere.2008.08.041)**
- **Ghosh, D., Medhi, C.R., Solanki, H., Purkait, M.K., 2008, Decolorization of Crystal Violet Solution by Electrocoagulation, *Journal of Environmental Protection Science Vol. 2, 25-35.***
- **Ghosh, D., Solanki, H., Purkait, M.K., 2008, Removal of Fe (II) from tap water by electrocoagulation technique, *Journal of Hazardous Materials* 155, 135-143 (doi: 10.1016/j.jhazmat.2007.11.042)**