

Department Name: Chemical Engineering

Faculty Name **Kabita Chakrabarty**

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Educational Details

- Ph.D – Indian Institute of Technology , Guwahati
- M. Tech - Indian Institute of Technology, Kharagpur
- B.E. - Chemical Engineering ,Assam Engineering College, Guwahati

Areas of Interest

- Membrane based separations
- Fluidization

Recent Publications

- **K.Chakrabarty**, V.Krishna, P.Saha, A.K.Ghoshal, Extraction and recovery of lignosulfonate from its aqueous solution using bulk liquid membrane, J. Membr. Sci., 330 (2009) 135-144.
- **K.Chakrabarty**, P.Saha, A.K.Ghoshal, Separation of lignosulfonate from its aqueous solution using supported liquid membrane, J. Membr. Sci., 340 (2009) 84–91.
- **K.Chakrabarty**, P.Saha, A.K.Ghoshal, Simultaneous separation of mercury and lignosulfonate from its aqueous solution using supported liquid membrane, J. Membr. Sci., 346 (2010) 37-44.
- **K.Chakrabarty**, P.Saha, A.K.Ghoshal, Separation of mercury from its aqueous solution through supported liquid membrane using environmentally benign diluent, J. Membr. Sci.,

doi: 10.1016/j.memsci.2010.01.016.

- A.B.Shaik, **K.Chakrabarty**, P.Saha, A.K.Ghoshal, Separation of Hg(II) from its aqueous solution using bulk liquid membrane, Ind. Eng. Chem. Res., doi: 10.1021/ie 901362m.
- **K.Chakrabarty**, V.Krishna, P.Saha and A.K.Ghoshal (2008). "Separation of lignosulfonate from aqueous solution using liquid membrane", accepted for oral presentation in the Annual Meeting of American Institute of Chemical Engineers in Philadelphia Pennsylvania, Nov 16-21, 2008.
- **K.Chakrabarty**, P.Saha, A.K.Ghoshal, Separation of lignosulfonate from its aqueous solution using emulsion liquid membrane, J. Membr. Sci., (2010) (Under revision).

Courses taught

Mechanical Operations

Process Instrumentation

Material Science & Corrosion Engg

Heat Transfer Operation

Process Utilities

Fluid Flow Operation

Advanced Separation Techniques

Process Equipment Design