



Name of the faculty:Dr.Kabita Chakrabarty.

Employment details:

Present position: Professor

Date of joining service: 13-01-1995

Educational details:

- PhD in Chemical Engineering from Indian Institute of Technology, Guwahati
- M.Tech in Chemical Engineering from Indian Institute of Technology, Kharagpur
- B.E. in Chemical Engineering from Assam Engineering College, Guwahati, India

Areas of interest

- Membrane Based Separation processes
- Environmental pollution
- Adsorption

List of publications

International journal

- [1] 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.
- [2] 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.
- [3] 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.

[4] 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.

[5] 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/ie901362m.

[6] K.Chakrabarty, P.Saha, A.K.Ghoshal, Separation of lignosulfonate from its aqueous solution using emulsion liquid membrane, J. Membr. Sci., (2010) (Under revision).

Conference proceedings

International:

[1] 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.

National:

1. Musaddique M Ahmed, AyushKayal, Argha Deb, NihalGupta, KabitaChakrabarty(2017), "Energy Generation from Wastewater using Microbial Fuel Cell", presented in the National Conference on "Non Conventional Energy: Harvesting Technology and its Challenges" in the Assam Engineering College, Jalukbari, Guwahati-13, Nov 17-18, 2017.
2. Beethika Borpujari, Bhargab Borah, Faraah Yasmin Bora, Saaksi Khersa, Kabita Chakrabarty, "Cellulose Acetate/Pla Oligomer Blended Membrane Fabrication, Characterisation and Permeation Experiment" presented in the National Conference at ISER Bhupal, 2018

Others:

- 1.Life membership of IICHE
2. Life membership of IIE