



Dr. Abhik Chatterjee
Assistant Professor

Academic Qualifications:

B.Sc (1st Class), 2000, Suri Vidyasagar College (The University of Burdwan)
M.Sc (1st Class), 2002, The University of Burdwan.
NET, 2002.
PhD, 2011, Visvabharati University

Contact Address:

Department of Chemistry, Raiganj University, Raiganj, Uttardinajpur,
733134, WB, India
Email: abhikchemistry@gmail.com
Phone number: 9474022473

Research Interest:

Molecular dynamics simulation, DFT calculations, Protein-drug interaction,
Docking.
FuelCell- Development of different kinds of Electrocatalysts and their
characterization.

Specialization:

Physical Chemistry

Thesis title: Electrochemical Studies on Oxidation of Alcohols for Fuel Cell Applications.

Fellowships:

JRF (DRDO project) at Jadavpur University

Award:

1. Arun Sen Memorial award (Given by **Suri Vidyasagar College**)
2. National merit scholarship (On the basis of B.Sc marks)

Membership:

Life member of Indian Science Congress Association

Conference/Seminar/Organisation: 14**Teaching Experience:**

11 years 5 months

Research Experience:

8 years

Research Guiding Experience:

M.Sc students for project: 03

Ph.D. Scholar: **1**

Post-Doctoral - Research Associate:

Completed Research Projects:

Ongoing Project :

Previous & Present Employment:

Asst Professor, Raiganj college(University College) 8th Nov2005 to 2nd February2015.
Asst Professor, Raiganj University, 3rd February2015 to till date.

Administrative Experience:

1. Act as HOD from 2010-2012
2. Examination Committee member in 2010 to 2015
3. Member of Admission committee in 2011-12, 2012-13 and 2013-14
4. Coordinator, Remedial coaching centre for SC/ST/Minority students under UGC-merged scheme

Financial Assistances from following Organisations for attending International Conferences in abroad:

Publications:

Books:

Research Papers: 16

Technical Report:

Special Lectures:1

Keynote Addresses:

Country Visited:

Editorial Board Member:

1. Research Journal of Chemical sciences
2. International Journal of chemical research

REVIEWER of the following Books and Journals:

Jury Member:

LIST OF PUBLICATIONS:

PUBLICATIONS

1. I Basumallick, P Roy, A Chatterjee, A Bhattacharya, S Chatterjee, S Ghosh. Organic gel polymer electrolyte for lithium battery'. Journal of Power Sources, vol 162(1), 2006, pp 797.
2. A Chatterjee, S Ghosh, IBasumallick . Polyaniline modified spongy carbon felt as anode material for ethanol fuel cell'. Research and reviews in Electrochemistry, vol 1(1), 2008,pp 04.
3. A Chatterjee, S Ghosh, IBasumallick 'Methanol electro oxidation in the presence of surfactant environment'. Research and reviews in Electrochemistry, vol 1(2), 2008, pp 77.
4. M Chatterjee, AChatterjee, S Ghosh, IBasumallick.'Electro-oxidation of ethanol and ethylene glycol on carbon supported nano Pt and PtRu catalyst in acid solution'. Electrochimica Acta, vol 54, 2009, pp 7299.
5. A Chatterjee, A Bothra, Molecular Dynamics Simulation of Angiotensin I: precursor of AngiotensinII. International journal of Integrative Biology,vol-9, 2010, pp 21.
6. A Chatterjee, Molecular Dynamics Simulation of a NaK channel protein; J. Chem. Pharm. Res., vol 3(6), 2011, pp66-72.
7. A Chatterjee, M Chatterjee S Ghosh, IBasumallick .'Electro-oxidation of ethanol and 2-propanol onto ternary Pt-Sn-Ni surface'. Chemical technology- an Indian journal, vol 6(4),2011,197
8. A Chatterjee. Electro oxidation of ethanol on to Pt loaded carbon felt surface modified by polyaniline.**J. Chem. Bio. Phy. Sci. Vol.1, N0.2, 2011, Sec. A, pp 220-228.**
9. A Chatterjee, IBasumallick. Polyaniline coated expanded graphite as an electrode material for

ethanol fuel cell. International Journal of Current Research and Review vol-4 (1), 2012, pp 50.

10. A Chatterjee, M Chatterjee S Ghosh, IBasumallick .Electro-oxidation of ethanol and isopropanol onto Pt-Sn and Pt-Ni surfaces'. International Journal of Current Research and Review ,vol 4 (2), 2012 pp13.

11. B Bagchi, A Chatterjee,P Ghosh, A Bothra, A theoretical investigation of cytotoxic activity of halogenated monoterpenoids from plocamium cartilagineum, J. Chem. Pharm. Res., vol 4(12), 2012, pp 5076.

12. A Chatterjee, Ethanol electro-oxidation in presence of surfactant environment,
Int. J. ChemTech Res, vol-5, 2013 pp 28.

13. A Chatterjee, S Ghosh, IBasumallick, Electrooxidation study of isopropanol in surfactant media, Research and reviews in electrochemistry,vol-4(5)2013,pp136

14. A Chatterjee. Cyclicvoltammetry study of isopropanol electrooxidations onto PtNi electrode, Research and reviews in electrochemistry,vol-5(5) 2014, pp109.

15 . B Bagchi, S Sharma, A Chatterjee,P Ghosh, A Bothra QSAR Study and Molecular Docking of 23-hydroxybetulinic Acid Derivatives as RMGPa and HeLa Cells Inhibitors; Commun. Comput. Chem. doi: 10.4208/cicc.2015.v3.n3.2, Vol.3(3), 2015 pp.75.

RESEARCH PAPERS : 15

National:

International:

Patent: