Appendix-I

List of Publications/Seminar/ Workshop/Conferences

Publications included in the thesis

1. **M. Ali,** H. Rahaman, S. K. Pal, N. Kar**,** S. K. Ghosh, *Submicron Zno Raspberries as Effective Catalysts for Fries Rearrangement* ***RSC Adv.*** **2015**, *5*, 41780-41785.
2. **M. Ali,** K. Barman, Sk. Jasimuddin, S. K. Ghosh, *Fluid Interface-Mediated Nanoparticle Membrane as an Electrochemical Sensor* ***RSC Adv.*** **2014**, *4*, 61404–61408.
3. **M. Ali,** S. Bora, S. K. Ghosh, *Composite-Walled Magnetic Microcapsules at the Water−TolueneInterface by Ligand Polymerization* ***Langmuir*** **2014**, *30*, 10449–10455.
4. **M. Ali,** H. Rahaman, D. S. Rahman, S. Nath, S. K. Ghosh, *Water/n-Heptane Interface as a Viable Platform for The Self-Assembly of Zno Nanospheres to Nanorods* ***Cryst. Eng. Commun.*** **2014,** ***1****6*, 7696–7700.
5. **M. Ali,** S. K. Pal, H. Rahaman**,** S. K. Ghosh, *Interfacial assembly of ZnO quantum dots into giant supramolecular architectures,* ***Soft. Matter*** **2014**, *10*, 2767–2774.
6. S. K. Ghosh, **M. Ali,** S. Gorain, *Nanoparticle-Decorated Ultrathin Membrane at the Water-Toluene Interface,* ***Adv. Sci. Eng. Med.*** **2014**, *6*, 333–337.
7. **M. Ali,** S. K. Ghosh, *Liquid-Liquid Interface-Mediated Au-ZnO Composite Membrane Using 'Thiol-Ene' Click Chemistry*, **2015** (Communicated)

Miscellaneous

1. B. Chakraborty, R. Pal, **M. Ali**, L. Singh, D. S. Rahman, S. K. Ghosh, M. Sengupt*a Immunomodulatory Properties of Silver Nanoparticles Contribute to Anticancer Strategy for Murine Fibrosarcoma, Cellular and Molecular Immunology (*doi:10.1038/cmi.2015.05*).*
2. S. K. Ghosh, **M. Ali**, H. Chatterjee, *Studies on the Interaction of Fluorescein Isothiocyanate and its Sugar Analogues with Cetyltrimethylammonium Bromide,* ***Chem. Phys. Lett.*** **2013**, *561*, 147–152.
3. S. K. Ghosh, **M. Ali**, D. S. Rahman; *Click Chemistry: A Versatile, Powerful and Reliable Reaction Strategy with Functional Diversity"* ***Assam Univ. J. Sc. Tech.*** **2011,** *8*, 110-117.

Papers presented in seminar/ workshop

Workshop/Seminar/ Symposium	Venue	Title of the paper	Date	Mode of presentation
National seminar on current perspectives of research in chemical sciences	Department of chemistry, Assam University, Silchar	Au-Fe_3O_4 Composite Microcapsules at the Water-Toluene Interface by Ligand Polymerization	25-26 March/2015	Poster presentation
National workshop on Emerging Trends in Nanochemistry-11	St. Anthony's College, Shillong, Meghalaya	Nanoparticle-Decorated Membrane of Colloidal Gold at the Water-Toluene Interface	18-20 july/2011	Oral Presentation
National Seminar on Green chemistry and Nano science, Theory and Applications, MBB College, Agartala	MBB College, Agartala, Tripura	Ultra-thin composite nanoparticle membranes applying click chemistry	20-21 July 2012	Oral Presentation
National Seminar on Emerging Areas of Research and Development in Chemical and Physical Sciences in North East India, , S. S. College, Hailakandi.	S. S. College, Hailakandi, Assam	Composite nanoparticle membrane applying Thiol-Ene click Reaction	16-18 Octobar-2012	Oral Presentation
National Seminar on Newer Trends in Chemistry and Environment-2014, Donbosco College, Tura	Donbosco College, Tura	Au-Fe_3O_4 Composite Walled Magnetic Microcapsules at the Water-Toluene Interface	10-11 december -2014	Oral Presentation