APPENDIX - A

List of Publications
List of Publications

*1  Heterogenization of three homogeneous catalysts: A comparative study as epoxidation catalyst

   **Jaydeep Adhikary**, A. Guha, T. Chattopadhyay and D. Das*.  


*3  Radical pathway in catecholase activity with nickel (II) complexes of phenol based “end- off” compartmental ligands


*5  Role of ligand backbone of tridentate Schiff-base on complex nuclearity and bio-relevant catalytic activities of zinc(II) complexes: experimental and theoretical investigations,  

   P. Chakraborty, **Jaydeep Adhikary**, R. Sanyal, A. Khan, K. Manna, S. Dey, E. Zangrando, A. Bauzá, A. Frontera, D. Das,*  
6. Relation between Catalytic Efficiency of the Synthetic Analogues of Catechol Oxidase with Their Electrochemical Property in the Free State and Substrate Bound State,
P. Chakraborty, Jaydeep Adhikary, B. Ghosh, R. Sanyal, S. K. Chattopadhyay,*
A. Bauzá, A. Frontera*, E. Zangrando*, D. Das*,

7. A novel trinuclear zinc-Schiff base complex: Bio-catalytic activity and Cytotoxicity,

8. Influence of anions in synthesis, photoluminescence behavior and bio-relevant catalytic activity of zinc complexes of 2-((E)-(pyridin-2-yl)methylimino)methyl)phenol
P. Kundu, P. Chakraborty, Jaydeep Adhikary, T. Chattopadhyay, R. C. Fischer, F. A. Mautner, * D. Das*

9. Dinuclear cobalt(II) complexes of Schiff-base compartmental ligands: Syntheses, crystal structure and bio-relevant catalytic activities
A. Banerjee, A. Guha, Jaydeep Adhikary, A. Khan, K. Manna, S. Dey, E. Zangrando, D. Das*
Polyhedron, 60 (2013) 102–109

10. Zinc and cadmium Complexes of a Schiff base ligand derived from diaminomaleonitrile and salicylaldehyde: Syntheses, Characterization, Photoluminescence properties and DFT study
A. Guha, Jaydeep Adhikary, T.K. Mondal, and D. Das*

11. Synthesis and characterization of a new Fe(III) dinuclear complex. Its use as epoxidation catalyst towards few alkene systems
12. Configuration change from cis to trans of isothiocyanato groups in nickel(II) species: Experimental verification and theoretical interpretation of reaction consequence and study on their bio-activity


*13. Syntheses, characterization and olefin epoxidation study of Alumina-supported Mn(III) and Fe(III)-Schiff base complexes

Jaydeep Adhikary, P. Banerjee, T. Chattopadhyay. (Communicated)

14. Preparation and characterization of ferromagnetic nickel oxide nanoparticles from three different precursors and its application in drug delivery


*15. Syntheses, Characterization, catalytic activity and Photophysical Properties of Phenol Based “end-off” Compartmental Ligand Complexes of Zn(II), Cd(II) and Hg(II).

Jaydeep Adhikary, P. Chakraborty, S. Samanta, S, Ghosh, E. Zangrando,* D.Das.*

(Communicated)

16. Development of an efficient asymmetric magnetically separable nanocatalyst: Experimental and Theoretical investigation of epoxidation property

Jaydeep Adhikary, A. Datta, T. Chattopadhyay.*

(Communicated)


Jaydeep Adhikary, P. Kundu, S. Dasgupta, S. Mukherjee, S.Chattopadhyay, G. Aullón D. Das*

(Communicated)

* These papers will be included in the thesis.