List of Publications

[1] **S. Chakraborty**, P. Mondal, S. K. Prasad, D. S. S. Rao and C. R. Bhattacharjee; *Induction of Mesomorphism Through Supramolecular Assembly in Metal Coordination Compounds of "salphen"-Type Schiff Bases: Photoluminescence and Solvatochromism*;
Eur. J. Inorg. Chem., **2016**, 4604-4614. (**IF: 2.68**)

[2] **S. Chakraborty**, D. D. Purkayastha, G. Das, C. R. Bhattacharjee, P. Mondal, S. K. Prasad and D. S. S. Rao;
Photoluminescent tetrahedral d^{10}-metal Schiff base complexes exhibiting highly ordered mesomorphism;
Polyhedron, **2016**, 105, 150-158. (**IF: 2.01**)

[3] **S. Chakraborty**, C. R. Bhattacharjee, P. Mondal, S. K. Prasad and D. S. S. Rao; *Synthesis and aggregation behaviour of luminescent mesomorphic zinc(II) complexes with 'salen' type asymmetric Schiff base ligands*;
Dalton Trans., **2015**, 44, 7477-7488. (**IF: 4.18**)

[4] C. R. Bhattacharjee, **S. Chakraborty**, G. Das and P. Mondal;
Emissive 'zinc(II)-salphen' core: building block for columnar liquid crystals;
Liq. Cryst., **2012**, 39, 1435–1442. (**IF: 2.35**)

Papers under Communication

[1] **S. Chakraborty**, P. Mondal, S. K. Prasad, D. S. S. Rao and C. R. Bhattacharjee; *Zinc(II)-salphen complexes bearing long alkoxy side arms: synthesis, solvent dependent aggregation, and spacer group substituent effect on mesomorphism and photophysical property.*

[2] S. Chakraborty, P. Mondal, S. K. Prasad, D. S. S. Rao and C. R. Bhattacharjee; *Photoluminescent amphiphilic Nickel(II) metallomesogens derived from 'salphen' type Schiff base ligands: Influence of spacer group substituent on mesomorphism and photoluminescence properties.*

Presentations in Conferences

(a) International:

[1] Oral presentation titled; *"Luminescent d^{10}-Metallomesogens Based On One Ring [N,O] Donor Rod Shaped Salicylaldimine Ligand"* at
International Conference on Material Science (ICMS-2013); February 21-23, 2013; held at Department Of Physics, Tripura University, Tripura, India.

(b) National:

[1] Poster presentation titled; *"Synthesis and aggregation behaviour of luminescent mesomorphic zinc(II) complexes with 'salen' type asymmetric Schiff base ligand"* at ***National Conference on Current Perspective on Research on Chemical Sciences (CPRCS - 2015)***, March 25-26, 2015; held at Department Of Chemistry, Assam University, Silchar, Assam, India.

[2] Oral presentation titled; *"Luminescent mesomorphic zinc(II) complexes of 'salphen-type' Schiff base ligand possessing long terminal chains"* at
UGC Sponsored National Seminar on Advances in Research in Physical Sciences, March 25-26, 2013; held at Department Of Chemistry, Cachar College, Assam, India.

[3] Poster presentation titled; *"Influence of halogen substituent at spacer group of 'salphen core' on the mesophase and optical properties of semi-discoid Zn(II) metallomesogens*" at
19th National Conference on Liquid Crystals (NCLC-19); November 21-23, 2012; held at Thapar University, Patiala, India.

[4] Oral presentation titled; "*Luminescent mesomorphic zinc(II) complexes with 'salen-type' Schiff base ligand possessing long alkoxy arm*" at
UGC Sponsored National Seminar on Emerging Areas of Research & Development in Chemical and Physical Sciences in North-East India; October 16-18, 2012; held at Srikishan Sarda College, Hailakandi, India.

Workshop attended

1. ***TEQIP-II Sponsored One Week Short term Course on Fundamentals of Photonics and Optoelectronics***; May 14-18, 2014; held at Department of Physics, National Institute of Technology, Durgapur, India.

2. ***Three Day lecture Workshop on Recent Trends in Synthesis of Chemical Compounds and their Application in Science and Technology***; May 5-7, 2014; held at Department of Physics, National Institute of Technology, Silchar, Assam, India.

3. ***Lecture series on Nano Science and Technology***; January 16-18, 2014; held at Department of Physics, Assam University, Silchar, Assam, India.