

LIST OF PUBLICATIONS & CONFERENCES ATTENDED**Publications**

1. Dutta, S. and Deka, R.C. Zero field splitting in Mn (III) complexes: A comparative study of DFT base Coupled-Perturbed and Pederson–Khanna approaches. *Computational and Theoretical Chemistry*, 1072:1–6, 2015.
2. Dey, M., Dutta, S., Sarma, B., Deka, R.C. and Gogoi, N. Modulation of the coordination environment: a convenient approach to tailor magnetic anisotropy in seven coordinate Co (II) complexes. *Chemical Communications*, 52(4):753–756, 2016.
3. An investigative study to find a suitable computational level for prediction of magnetic parameters using Cu(II) complexes. Communicated
4. Prediction of D-tensor by using *ab initio* CASSCF method in [CoN₂X₂] and [Co(PPh₃)₂X₂]. complexes and to study its effectiveness. Communicated

Presented:

1. 8th Mid-Year CRSI National Symposium in Chemistry held at CSRI-NEIST, Jorhat, Assam, 10-12th July, 2014.
2. Contemporary Developments in Chemical Sciences-2015 (CDCS) held at Tezpur University, Napaam, Tezpur, Assam, 23th-24th November, 2015.
3. 20th CRSI National Symposium in Chemistry held at Gauhati University, Guwahati, Assam, 3rd-4th February, 2017.