

LIST OF PUBLICATIONS

1. **Gogoi, S. R.**, Boruah, J. J., Sengupta, G., Saikia, G., Ahmed, K., Bania, K. K., and Islam, N. S., *Peroxonioibium(V)-catalyzed selective oxidation of sulfides with hydrogen peroxide in water: a sustainable approach. **Catalysis Science & Technology***, 5(1):595-610, 2015.
2. **Gogoi, S. R.**, Saikia, G., Ahmed, K., Duarah, R., and Islam, N. S., *Niobium(V) peroxo α -amino acid complexes: Synthesis, stability and kinetics of inhibition of acid phosphatase activity. **Polyhedron***, 121:142-154, 2017.
3. **Gogoi, S. R.**¹, Saikia, G.,¹ Boruah, J. J., Ram, B. M., Begum, P., Ahmed, K., Sharma, M., Ramakrishna, G., Ramasarma, T., and Islam, N. S., *Peroxo compounds of vanadium(V) and niobium(V) as potent inhibitors of calcineurin activity toward RII-phosphopeptide. **ChemistrySelect***, 2(21):5838-5848, 2017 (¹**These authors contributed equally to this work**).
4. Boruah, J. J., Das, S. P., Ankireddy, S. R., **Gogoi, S. R.**, and Islam, N. S., *Merrifield resin supported peroxomolybdenum(VI) compounds: recoverable heterogeneous catalysts for the efficient, selective and mild oxidation of organic sulfides with H₂O₂. **Green Chemistry***, 15(10):2944-2959, 2013.
5. Boruah, J. J., Das, S. P., Borah, R., **Gogoi, S. R.**, and Islam, N. S., *Polymer-anchored peroxo compounds of molybdenum and tungsten as efficient and versatile catalysts for mild oxidative bromination. **Polyhedron***, 52:246-254, 2013.
6. Boruah, J. J., Ahmed, K., Das, S., **Gogoi, S. R.**, Saikia, G., Sharma, M., and Islam, N. S., *Peroxo molybdate supported on water soluble polymers as efficient catalysts for green and selective sulfoxidation in aqueous medium. **Journal of Molecular Catalysis A: Chemical***, 425: 21-30, 2016.
7. **Gogoi, S. R.** and Islam, N. S., *Polymer-anchored peroxo niobium(V) complexes: Synthesis, stability and their activities with acid phosphatase (Communicated)*.
8. **Gogoi, S. R.** and Islam, N. S., *Peroxo niobium(V) macrocomplexes as efficient catalysts for selective sulfide oxidation in water as solvent (Communicated)*.

LIST OF CONFERENCES ATTENDED

- 15th CRSI National Symposium in Chemistry, Banaras Hindu University, Varanasi, 1-3 Feb, 2013 (**Presented a Poster and selected for RSC poster award**).
- 8th Mid-Year CRSI National Symposium in Chemistry, July 10-12, 2014, CSIR-NEIST, Jorhat, Assam (**Presented a Poster**).
- 20th National Magnetic Resonance Society Symposium *cum* Annual Meeting, 2-5 Feb, 2014, Tezpur University, Assam (**Presented a Poster**).
- Contemporary Developments in Chemical Sciences – 2015, 23rd & 24th November organized by Department of Chemical Sciences, Tezpur University, Assam (**Oral Presentation**).
- International Congress on Renewable Energy, 2-4 Nov, 2011, Tezpur University, Assam (**Participated**).