



DR. MITHUN CHAKRABARTY

ACADEMIC QUALIFICATIONS:

PhD

TITLE OF THESIS: Synthetic and Structural Investigation of Molybdenum, Nickel and Zinc Complexes Derived from Bis(2-hydroxy-1-naphthaldehyde) Succinoyldihydrazone

University: North-Eastern Hill University, Shillong

M.Sc (Chemistry)

University: North-Eastern Hill University, Shillong

PUBLICATIONS:

1. Synthesis and crystal structure of $[\text{Mn}_2(\text{H}_2\text{sal})_2(\text{Hsal})_2(\text{H}_2\text{O})_4]$. First example of the reductive synthesis of a binuclear manganese(I) salicylate complex.

Ram A. Lal*, Aka Lemtur, Sanjesh Choudhury, **Mithun Chakrabarty** and Debjani Basumatary, Mahesh K. Singh, Samhita Bhaumik, Arjun K. De and Arvind Kumar. *Transition Metal Chemistry* 31, 423 – 428, (2006).

2. Synthesis and spectral studies of nickel(II) complexes derived from disalicylaldehyde oxaloyldihydrazone.

R. A. Lal, S. Choudhury, A. Ahmed, **M. Chakrabarty**, R. Borthakur and A. Kumar, , *Journal of Coordination Chemistry*, 62, 3864-3874 (2009).

3. Synthesis and spectral Characterization homobimetallic molybdenum (VI) complexes derived from bis(2-hydroxy-1-naphthaldehyde)succinoyldihydrazone.

Ram A. Lal, **Mithun Chakrabarty**, Sanjesh Choudhury, Aziz Ahmed, Roshmita Borthakur and Arvind Kumar, *Journal of Coordination Chemistry*, 63, 163-175 (2010)

4. Synthesis and Characterization of heterobimetallic Ni(II)- Zn(II) Complexes Derived from bis(2-hydroxy-1-naphthaldehyde)succinoyldihydrazone.
R. A. Lal, **M. Chakrabarty**, O. B. Chanu, S. Choudhury, R. Borthakur, S. Copperfield and A. Kumar, *Journal of Coordination Chemistry*, 63, 1239 - 1251 (2010)
5. Synthesis, Characterization and Structural Assessment of the complexes derived from the reaction of Mo (VI) complex $[(\mu_2\text{-O})_2(\text{MoO}_2)_2(\text{H}_4\text{nsh})_2] \cdot 2\text{C}_2\text{H}_5\text{OH}$ with substituted pyridine.
Mithun Chakrabarty and Ram A. Lal, *Transient, A Journal of Natural and allied subjects* published by Don Bosco College Tura, vol 2 (2012) (ISSN 2250-0650).
6. Synthesis and spectroscopic characterization of monometallic molybdenum (VI) complexes derived from bis(2-hydroxy-1-naphthaldehyde)succinoyldihydrazone.
A. Kumar, A. Koch, R. Borthakur, **M. Chakrabarty**, A. K. De, A. Phukan, G. Bez, and R. A. Lal, *Journal of Molecular Structure*, Volume 1063, 92-101(2014)
7. Synthesis, Characterization, and Structural Assessment of Ni(II) Complexes Derived from Bis(2-hydroxy-1-naphthaldehyde) succinoyldihydrazone”, **Mithun Chakrabarty** Aziz Ahmed and Ram A. Lal. *International Journal of Inorganic Chemistry*, Volume 2015 (2015), Article ID 121895, 11pages (<http://dx.doi.org/10.1155/2015/121895>)
8. Cyclic voltametric Studies of Copper and Cadmium Porphyrins. .. A. Murugan, V. Thandiayyakone and **Mithun Chakrabarty**. Proeedings of 4th National Conference of Technologically Important Crystalline and Amorphous Solids. (TICAS 2018) organized by Department of Physics and International Research Centre (IRC) Kalasalingam Academy of Research and education, Tamil Nadu-626126 on 2nd and 3rd March 2018 (ISBN: 978-81-909237-3-6)
9. Cyclic Voltammetric Studies of Vanadyl Porphyrin.. A. Murugan, **Mithun Chakrabarty** and V. Thandiayyakone. Proeedings of 5th National Conference of Technologically Important Crystalline and Amorphous Solids. (TICAS 2019) organized by Department of Physics, School of Advance Science, Kalasalingam Academy of Research and education, Tamil Nadu-626126 on 5th and 6th April 2019 (ISBN: 978-81-909237-4-3)

SEMINARS AND WORKSHOPS ATTENDED:

1. National Symposium on Advances in Chemistry and Environmental Impact (2-3 November 2006) organized by Department of Chemistry, North-Eastern Hill University, Shillong-793022, Meghalaya, India.
2. The 96th Indian Science Congress 2009 (3-7 January 2009) held at North-Eastern Hill University, Shillong-793022, Meghalaya, India.
3. National Symposium on Organometallic Chemistry and Organic Synthesis: Highlights and New Perspectives (28 – 29 March 2011) organized by Department of Chemistry, North-Eastern Hill University, Shillong-793022, Meghalaya, India.
4. North-East Regional Seminar on Trends in Colloid and Interface Science (27- 28 November 2014) organized by Department of Chemistry, North-Eastern Hill University, Shillong-793022, Meghalaya, India.
5. Workshop on National Mission on Education through Information and Communication Technology (NMEICT) Awareness, (25-26 September, 2015) organized by National Institute of Technology, Meghalaya.
6. Regional workshop on Good Governance, Development and Human Rights (3-4 November 2016) by NHRC in collaboration with Meghalaya with Participating States Mizoram, Manipur, Nagaland and Assam.

PRESENTATIONS IN SEMINARS, WORKSHOPS, CONFERENCES AND OTHERS:

1. Presented a poster entitled 'Synthesis and Structure of a Series of V-M (M= Li, Na, &K) Heterobimetallic Complexes Using Metalloligand (VO₂L): Discrete Mononuclear to 3D Coordination polymer in REACH-2015, An International Symposium on Recent Advances in Chemistry (3-5 March 2015) Organized by UGC- Centre for Advanced Studies in Chemistry, Department of Chemistry, North-Eastern Hill University, Shillong-793022, Meghalaya, India.

WORKSHOPS, SEMINARS AND OTHERS ORGANISED AND CO-ORDINATED:

1. Member of the organizing committee of the International Conference on Climate Change Mitigation and Technologies for Adaptation, 2016 (IC3MTA 2016), held at Synod College premises, during 20-21 June. The conference was organized by UTM Shillong, in collaboration with Synod College Shillong, and IRD India.