



Ms. SIEWDORLANG DIAMAI

ACADEMIC QUALIFICATIONS:

MSc, PhD (Result Awaited)

TITLE OF THESIS: “Studies on Calorimetric Sensing of Metal Ions and Organic Molecules using Gold and Silver Nanoparticles”

University: North-Eastern Hill University, Shillong.

M.Sc (Chemistry)

University: North-Eastern Hill University, Shillong.

OTHER QUALIFICATIONS:

National Eligibility Test for Lectureship: Joint CSIR-UGC, NET

PUBLICATIONS:

1. **S. Diamai** and D. P. S. Negi, “EDTA-capped gold nanoparticles as a colorimetric probe for aluminium’. *Mater. Res. Express* 3, 115002 (2016)
2. **S. Diamai**, W. Warjri, D. Saha and D. P.S. Negi. “Sensitive determination of 6-mercaptopurine based on the aggregation of phenylalanine-capped gold nanoparticles’. *Colloids and Surfaces A* 538, 593 (2018)
3. **S. Diamai** and D. P. S. Negi, “Cysteine-stabilized silver nanoparticles as a colorimetric probe for the selective detection of cysteamine.” *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 215, 203 (2019)

4. D. Saha, **S. Diamai**, W. Warjri and D. P. S. Negi, "Effect of pH on the interaction of hypoxanthine and guanine with colloidal ZnS nanoparticles: A spectroscopic approach." *Journal of Molecular Liquids* 278, 460 (2019)
5. W. Warjri, D. Saha, **S. Diamai** and D. P. S. Negi, "Catechol oxidase mimetic activity of cadmium sulfide nanoparticles for the oxidation of L-3,4-dihydroxyphenylalanine." *Mater. Res. Express* 6, 035020 (2019)

SEMINARS AND WORKSHOPS ATTENDED:

1. Participated in the one-day sensitization workshop on **Technological Empowerment of Women through the SoRF Scheme of DST in Collaboration with NASI**, organized by National Academy of Sciences, India (NASI) NER Local Chapter at North Eastern Hill University, Shillong on June 30th, 2014.
2. Participated in one day **Workshop on Nanotechnology** organised by the Department of Chemistry, St Marys College, held on the 28th of July, 2014.
3. Participated in the **Faculty Development Programme on Research Enhancement** organised by the Research Cell, under the aegis of the IQAC of St Anthony's College, Shillong on 23rd August 2014.
4. Attended in **REACH-2015: An International Symposium on Recent Advances in Chemistry** held at the UGC-Centre for Advanced Studies in Chemistry, Department of Chemistry, North Eastern Hill University, Shillong during March 03-05, 2015.
5. Attended the two-day workshop on **Semester System** held at St Anthony's College under the aegis of the IQAC ON 21st and 22nd April 2015.
6. Attended the **Platinum Jubilee National Workshop on Petroleum and Polymer Technology (PJNWPPT-15)** organised by the Department of Chemistry, St Anthony's College on 22nd and 23rd September 2015
7. Participated in the **Capacity Building Workshop organised by the Centre for Education Beyond Curriculum (CEDBEC)**, Christ University, Bengaluru held on 6-11 June 2016

8. Participated in the **National Seminar on Recent Developments in Chemistry** organised by the Department of Chemistry, St Marys College. Shillong, held on 12th and 13th of July 2017.
9. Participated in **Regional Workshop on research Based Pedagogical Tools** held from 27th July to 29th July, 2017 at North Eastern Hill University, Shillong, organised by Center of Excellence in Science and Mathematics Education at Indian Institute of Science Education and Research (IISER) Pune (supported by MHRD, Govt. Of India) and North Eastern Hill University, Shillong.

PRESENTATIONS IN SEMINARS, WORKSHOPS, CONFERENCES AND OTHERS:

1. Participated and presented a poster in the **International Conference on Chemistry and its Diversities (ICCD-16)** organised by the Department of Chemistry, St Anthony's College held on 24th and 25th November 2016.
2. Participated and presented a poster in the **International Conference on Advances in Nanotechnology (iCAN-2017)** held at Assam Don Bosco University. AZARA Campus, Guwahati during 9th-13th January 2017.
3. Participated and presented a poster at **Frontiers in Chemical Sciences (FICS 2018)** held at Department of Chemistry, IIT Guwahati during 6-8th December 2018.