

Ms. Shailykumari Kiritkumar Patel

Designation: Assistant Professor

Specialization: Organic Chemistry

Address: P.G. Department of Chemistry, Sardar Patel University. Vallabh Vidyanagar, Anand, Gujarat-388120.

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Date of Birth: 15-05-1993

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Educational Qualifications: M.Sc. (Organic Chemistry)

Research Area: Organic synthesis, Coordination Chemistry, Supramolecular Chemistry, Bioinorganic chemistry, Crystallography, Computational Chemistry.

Educational Qualifications:

- **UGC-NET-JRF** in Chemical Sciences, exam conducted by CSIR.
- **M.Sc.** (Organic Chemistry) from Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara in April-2015.
- **B.Sc.** (Chemistry) from N. V. Patel College of Pure & Applied Sciences, Sardar Patel University, Vallabh Vidyanagar in April-2013.

List of Publications:

1. Improving Cytotoxicity by Changing a Linker from Diphenylether to Diphenylmethane and now to Phenylene in Binuclear Dithiocarbamate Complexes: Synthesis and Cytotoxicity Study, Vinay K Singh, Vineeta Pillai, **Shailykumari K. Patel**, and Lipi Buch, *ChemistrySelect*, 2019, 4, 8689 –8699. Impact Factor: **2.109**
2. Binuclear diphenyltin(IV)dithiocarbamate complexes bearing functionalized linkers: Synthesis, spectral characterization, DFT and in vitro anticancer activity, Vineeta Pillai, **Shailykumari K. Patel**, Lipi Buch, Vinay K. Singh, *Appl Organometal Chem.*, 2018, 32, e4559. Impact Factor: **3.581**

3. New binuclear dithiocarbamate complexes $[M_2-\mu^2\text{-bis-}\{(\kappa^2\text{S,S-}S_2\text{CN(R)CH}_2\text{CONHC}_6\text{H}_4)_2\text{CH}_2\}]$ ($M=\text{Ni}^{\text{II}}$, Cu^{II} , and Zn^{II}): synthesis, characterization, DFT, and *in vitro* cytotoxic study, Vinay K. Singh, Vineeta Pillai, Prakash Gohil, **Shailykumari K. Patel**, Lipi Buch, J. Coord. Chem., 2018, 71, 3689–3707. Impact Factor: **1.751**

Conferences / Workshop:

1. Presented Oral presentation in International conference “4th Kathmandu Symposia on Advanced Materials-2018, (KaSAM-2018), Oct. 26-29, 2018, **Kathmandu, Nepal**”.
2. Presented Poster presentation in International conference “Advanced Functional-Materials for Energy, Environment and Health Care, March 18-20, 2019, **Mysuru**”.
3. Presented Poster presentation in National conference “National Symposium On Advances in Chemical Research (ARC-2019), Feb. 24th, 2019, **Vadodara**”.
4. Presented Poster presentation in National conference “W-Chem, Feb. 21st, 2020, **Vadodara**”.
5. Presented Oral presentation in State conference “7th All Gujarat Research Scholars’ Meet (AGRSM-VII), February 25, 2018, **Vadodara**”.
6. Attended workshop on Computational Chemistry, March 3-7, 2020 in Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, **Vadodara**.

Fellowship/Award:

- **UGC-NET-JRF** fellowship.
Duration: 22/09/2016 to 21/09/2021.