

Name of Faculty Dr. Sathish Kumar Kurapati  
 Designation Assistant Professor  
 Nature of Job/Appointment Contractual  
 Date of Joining 27/07/2021  
 E-mail satishkumark\_chm@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Chemistry)	Awarded
PG	M.Sc. (Inorganic Chemistry)	first
UG	B.Sc	first

#### Work Experience

Teaching 4 Years  
 Research 3 Years  
 Industry  
 Others

TM

Area of Specialization Inorganic Chemistry

Professional Memberships

Responsibilities held at Institution Level Member and Squad of Disciplinary committee, CBIT

Responsibilities held at Department Level  
 1. Acted as Class In charge during the academic year 2020-21.  
 2. Mentor, Student Counselling program for B.E & B. Tech first year students in CBIT from 2017 to 2019.

Research Guidance

Awards Received

Courses Handled at Under Graduate / Post Graduate Level. B.Sc Chemistry, Engineering Chemistry, M.Sc Inorganic Chemistry, and M.Sc General Chemistry.

No. of Papers Published

National Journals – Nil International Journals – 15  
 National Conference – Nil International Conference – 1

Projects Carried out

Patents

Technology Transfer

Invited Speaker

- Book Title: Nanotechnology-Based Additive Manufacturing, Chapter Title: Nanomaterials and Nanostructures in Additive Manufacturing: Properties, Applications, and Technological Challenges. Authors: D. Saritha\* Sathish K. Kurapati, N. Mahendar Reddy, R. Sujithra, Ramesh Kola, Gubbala V. Ramesh Chapter 3, pp 53-102, December 23, 2022, Print ISBN:9783527349845 [Online ISBN:9783527835478 (Wiley Publishers).
- Participated in a workshop on "Introduction to Ab Initio Calculations" December 2012, School of Chemistry, University of Hyderabad.
- Participated in a Faculty development program on "Chemistry in medicine and material science" Septemeber 2020, National Institute of Technology Andhra Pradesh.
- Participated in a Desktop Lecture series. RSC-IISER Desktop Seminar with Crystal Engineering Communications, September 2021.

No. of Books/Chapters Published with details

Details of Short-Term Training Programs / Faculty Development Programs/Seminars / Workshops.Other Trainings (Attended /or organized).

**Details of Journal Publications/ Conferences (National and International) from the year 2017**

### International Journals from the year 2017

1. Sathish Kumar Kurapati\* "Transmetalation: A Post-Synthetic Modification Tool for Functional Metal-Organic Framework Materials" Lecture Notes in Mechanical Engineering, 2023, 15-21. Springer, Singapore. <https://doi.org/10.1007/978-981-19-5347-7>.
2. Sateesh Mulkapuri, Athira Ravi, Rajender Nasani, **Sathish Kumar Kurapati**, and Samar K. Das, "Barrel-Shaped-Polyoxometalates Exhibiting Electrocatalytic Water Reduction at Neutral pH: A Synergy Effect" Inorganic Chemistry, 2022, <https://doi.org/10.1021/acs.inorgchem.2c01811>.
3. Sateesh Mulkapuri, Athira Ravi, Subhabrata Mukhopadhyay, **Sathish Kumar Kurapati**, Vinaya Siby and Samar K. Das, "W<sup>VI</sup>-OH functionality on polyoxometalates for water reduction to molecular hydrogen" Inorganic Chemistry Frontiers, 2022, **9**, 3566.
4. Parameshwara Chary Jilloju, Leentje Persoons, **Sathish Kumar Kurapati**, Dominique Schols, Steven De Jonghe, Dirk Daelemans, Rajeswar Rao Vedula\* "Discovery of (±)-3-(1 H-pyrazol-1-yl)-6, 7-dihydro-5 H-[1, 2, 4] triazolo [3, 4-b][1, 3, 4] thiadiazine derivatives with promising in vitro anticoronavirus and antitumoral activity" Molecular Diversity, 2021, pp.1–15.
5. Sateesh Mulkapuri, **Sathish Kumar Kurapati**, Subhabrata Mukhopadhyay, Samar K. Das\*(2019), "Fully reduced V18O42 Host with VO4<sup>3-</sup> and Cl<sup>-</sup> Guest: Synthesis, Characterization, and proton conductivity" New Journal of Chemistry, 2019, 43, pp.17670–17679.
6. Sateesh Mulkapuri, **Sathish Kumar Kurapati**, Samar K. Das\*(2019) "A Polyoxometalate Capsule Made up of 15 Vanadium (IV) Centers: Aerial CO<sub>2</sub> Capture" Dalton Trans, 2019, 48, pp.8773–8781.
7. Sabari Ghosh, Sathish Kumar Kurapati, Arpita Ghosh, Ankit Kumar, Srivastava, Samudranil Pal\*(2018), "Di-μ-acetato Diuranyl(VI) Complexes with N-(2-pyridyl)-N'-(5-R-salicylidene) hydrazines: Syntheses, Structures, Properties, and Extraction Studies" ChemistrySelect, 2018, 3, pp.1–9.
8. Sabari Ghosh, **Sathish Kumar Kurapati**, Samudranil Pal\*(2017), "Structures of cis-dioxomolybdenum(VI) with chiral tetradentate tripodal ligands" Acta Cryst, 2017, A73, C957.

