



# Srijan Mukherjee

PhD Research Scholar  
at IIT Guwahati

## Professional Summary

I am conscious about the desiccation and the hard work that is needed to achieve the best outcomes in the domain of the research. I believe that my determination and discipline will help me to achieve my long-term and short-term research goals.

## SKILLS

- Complex organic and inorganic synthesis.
- Hand to hand experience of Microsoft office, GaussView, Mercury, ChemBioDraw Ultra, Diamond, MestReNova, Origin.

## INSTRUMENT KNOWN

- FTIR, NMR, PXRD, SCXRD, TGA, HRMS, SEM, TRPL, EDAX, Fluorescence spectroscopy, UV-Vis spectroscopy.

## PROFESSIONAL EXPERIENCE

### PhD Research Scholar

Dept. of Chemistry, IIT Guwahati, India, 781039  
Under supervision of Dr. Shyam P. Biswas

Jul 2021 – Present

- Developing porous MOF based 3D materials for selective detection, quantification as well as separation of environmentally hazardous compounds and biologically important molecules.

### M.Sc. project

Dept. of Chemistry, IIT Ropar, India  
Under supervision of Dr. C.M. Nagaraja

Aug 2020 – May 2021

- Synthesis of MOF-IL hybrid materials for catalytic applications.

## EDUCATION

M.Sc. | Chemistry

2021

IIT Ropar, Rupnagar Punjab, India

CGPA: 8.98/10

B.Sc. | Chemistry (Hons.)

2019

Ramakrishna Mission Vidyamandira, affiliated to

University of Calcutta, Howrah, India

CGPA: 7.68/10

## SELECTED PUBLICATIONS

- S. Mukherjee, S. Ghosh, S. Biswas, *Inorg. Chem. Front.*, **2022**.
- S. Mukherjee, K. Sarker, S. Biswas, *Dalton Trans.*, **2023**.
- P. Chakraborty, A. Rana, S. Mukherjee, S. Biswas, *Inorg. Chem.*, **2023**.
- S. Ghosh, A. Rana, S. Kumar, C. Gogoi, S. Mukherjee, U. Manna, S. Biswas, *Mater. Chem. Front.*, **2022**.

## CONFERENCE ATTENDED

- “Frontiers in Chemical Science (FICS)”, international conference held on 2-4<sup>th</sup> December, IIT Guwahati, Assam-781039, India.
- “Modern Trends in Inorganic Chemistry (MTIC) XIX”, international conference held on 15-17<sup>th</sup> December, Banaras Hindu University, Varanasi-221005, India.

## ACHIEVEMENTS

- Selected for **JNCASR** Summer Research Fellowship Program 2020 (SRFP 2020) in the area of chemical science under the guidance of **Prof. Sebastian C Peter**.
- All India Rank – **413** (Chemistry) out of 15731 students in the esteemed Joint Admission Test for MSc. (**IIT-JAM**), 2019.



+919547699960



IIT Guwahati, Assam India,  
781039

