

# CURRICULUM VITA

## Mr. Mithu Roy

Prime Minister's Research Fellow  
Discipline of Chemistry  
Indian Institute of Technology Guwahati, India  
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Date of Birth: - 13 September 1996  
Gender: - Male  
Nationality: - Indian



### Correspondence/Present address:

Kapili Hostel, Room no.: 151, IIT Guwahati, North Amingaon, Guwahati, Assam, 781039, India

### Permanent address:

C/O: - Chandi Roy,

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### Education

Standard	Year	Institute/Board/University	Percentage/CPI
Ph.D. (Organic Chemistry)	2019-Present	Indian Institute of Technology Guwahati	8.75/10
M.Sc. (Chemistry)	2017-2019	Indian Institute of Technology Indore	7.78 / 10
B.Sc. Hons. (Chemistry)	2014-2017	University of North Bengal (Surya Sen Mahavidyalaya)	55.8
Higher Secondary (12 <sup>th</sup> )	2014	W.B.C.H.S.E (Belakoba High School)	70
Secondary (10 <sup>th</sup> )	2012	W.B.B.S.E (Belakoba High School)	73.4

### Research Experience

- Indian Institute of Technology Indore – Master's Research Project**  
Project Topic – Development of Covalent Organic Polymer as a photo catalyst.  
Project Advisor – Dr. Apurba K. Das (Associate Professor, IIT Indore)  
  
Project Topic – Synthesis and Characterisation of Mannich Base Complexes.  
Project Advisor – Dr. Suman Mukhopadhyay (Professor, IIT Indore)

Project Topic – Preparation of amino acetamide derivative of Glutamic acid as a Precursor of small molecule inhibitors for PSMA.

Project Advisor – Dr. Chelvam Venkatesh (Assistant Professor, IIT Indore)

Project Topic – Synthesis and characterization of Citrate stabilized silver Nanoparticles using spectroscopic techniques.

Project Advisor – Dr. Tushar K. Mukherjee (Associate Professor, IIT Indore)

## Skills

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### Computer Knowledge

- Working knowledge in MS-office.
- Good awareness regarding internet.
- Working idea to use various chemistry related soft-wares.

### Technical and instrumental knowledge

- UV-Vis spectroscopy, Fluorescence spectroscopy, Scanning electron microscopy (SEM), High performance liquid chromatography (HPLC), CombiFlash chromatography, Rheometer.
- Characterisation of organic compounds by using  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR, HRMS and IR.
- Purification of compounds using column chromatography.

## Languages

English, Hindi and Bengali (mother language).

## Hobbies and interests

Travelling, watching sports, Playing football and cricket.

## Workshop attended

- Participated in the GIAN (Global Initiative for Academic Networks) course on “**Chemistry and Biology of Carbohydrates**” organized by Indian Institute of Technology Indore in association with **Max Plank Institute of Colloids and Interfaces, Germany**.

## Achievements

- Cleared JAM (Joint admission test for M.Sc.) 2017.
- Qualified NET-LS, December 2018.
- Qualified Graduate Aptitude Test in Engineering (GATE-2019) in Chemistry (**AIR-988, GATE Score-508**).
- Qualified NET-JRF CSIR, June 2019.
- Recipient of Merit-Cum-Means scholarship in Indian Institute of Technology Indore, India, 2017-2019.
- Recipient of Prime Minister’s Research Fellowship (PMRF) award in January 2021.