

# Curriculum Vitae

NAME- TRIPTI PAUL  
Pursuing Ph.D. in Chemistry,  
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**Objective:** Synthetic molecular modification has reached utmost importance due to frequent emergence of unknown intricate diseases. Through my dedication and impetuous passion towards organic syntheses I want to unearth ways for medication of these diseases for greater welfare of Society.

## Educational Background:

<i>Institutions</i>	<i>Degree</i>	<i>Year of passing</i>	<i>subjects</i>	<i>Percentage</i>
North Bengal University	M.Sc.	2018	Chemistry (Organic Specialization)	<b>83.25 %</b> ( <b>2<sup>nd</sup> Topper</b> )
A.B.N Seal College (North Bengal University)	B.Sc.	2016	Chemistry (Hons.)	<b>59.38%</b>
Manindra Nath High School (W.B.C.H.S.E)	Higher Secondary	2013	Physics, Chemistry, Mathematics, Bengali, English.	<b>70%</b>
Manindra Nath High School (W.B.B.S.E)	Secondary	2011	English, Bengali, Mathematics, Physical Sciences, Life Science, History, Geography.	<b>83.5%</b>

## Ph.D Course work details:

<i>Semester</i>	<i>Course Name</i>	<i>Grade</i>	<i>S.P.I</i>	<i>C.P.I</i>
I	Applied Inorganic Chemistry	AA	9.5	9.5
	Physical Methods in Chemistry	AB		
II	New Reagents for Organic Synthesis	AA	9.5	
	Bioinorganic Chemistry	AB		

### Qualifying Test Details:

- UGC-NET[JRF]-2019

Marks Obtained -116.5      NTA Score 99.5      Rank-60      Application Number-191620014338

- GATE- 2019

Marks Obtained - 38      GATE Score-439      Rank-1710      Registration ID-CY19S14039228

- WBSET - 2018

Marks Obtained -154      Registration no- 2000003288      Roll no: 18544

**Research Interest:** Selective molecular engineering, assembly, and architecture with its practical application on the development of biologically active molecules, new reagents.

**M.Sc Project:** Project performed on “**Synthesis of Cyclohex-2-ene-1-one**”, “**Preparation of Neroline and its wide variety of applications**” & “**Preparation of diazomethane and its applications**” under the guidance of Prof. **Pranab Ghosh** at the Dept. of Chemistry, University of North Bengal in 2018.

### Working Experiences:

- Proficient in Column Chromatography, Thin Layer Chromatography, working up of reaction mixture.
- Expertised in various reactions set up and in handling various sensitive reagents.
- Familiar with Polari meter, UV, NMR, HPLC, High Pressure Reactor.
- Proficient in performing low temperature reactions, handling of air and moisture sensitive reagents and reactions

### Teaching Experiences:

- Teaching Assistant at IIT Guwahati for CH429 Petroleum Chemistry, July 2021- Present.
- Teaching Assistant at North Guwahati College for Organic Chemistry, Feb 2021- Present.
- PGT Chemistry in Jawahar Navodaya Vidyalaya, Barobisha, Alipurduar

### Honors/Awards:

- Prime Minister’s Research Fellowship for PhD tenure.
- IIT Guwahati MHRD Fellowship to pursue high impact research.
- Silver Medalist in Master’s Degree, University of North Bengal
- Qualified Graduate Aptitude Test in Engineering (2018, 2019)
- UGC Junior Research Fellowship (2019)
- West Bengal State Eligibility Test (2018)

### Conferences:

- A seminar presentation on “**Flow Chemistry**” for the partial fulfillment of requirement for the degree of M.Sc. in Chemistry at Department of Chemistry, University of North Bengal in 2017.
- Attended a national seminar on “**Frontiers in Chemistry 2017**”, Department of Chemistry, University of North Bengal.
- One Day “**International Organic Colloquium**” held on 5th March, 2020 at Indian Institute of Technology Guwahati, Guwahati, Assam, India.
- The 1st virtual international symposium on “**C–H Activation: ISCHA-5**” held at Göttingen, Germany from 27<sup>th</sup> to 30<sup>th</sup> July, 2020.
- International webinar on “**Anti-Viral Drug Discovery: Creation of an Armoury for The Present and Future Pandemics**” held on 8<sup>th</sup> August, 2020 organized by Assam University, Silchar, Assam, India.

### Hobbies:

- Reading story book.
- Listening music.

### Languages Known:

- English
- Bengali (Mother Tongue)
- Hindi

### **Declaration**

I hereby declare that the above information given are true to the best of my knowledge.

Tripti Paul.