

# Curriculum Vitae

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## ANIRBAN MALLIK

*M.Sc. Chemistry (IIT Madras)*

**DOB:** 20<sup>th</sup> May, 1996

### Contact Address:

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### Work Experience:

Post M.Sc. six months experience in IIT MADARS

**Junior Research Fellow-CSIR** (December 2020- May 2021)

### Academic Background:

- **Indian Institute of Technology, Madras**  
Subject: Chemistry (2017-2019)  
CGPA: **8.12**  
*Masters in Science (M.Sc.)*
- **Hooghly Mohsin College, Hooghly**  
**The University of Burdwan**  
Subject: Chemistry Honours (2014-2017)  
Percentage: **69.87%**  
*Bachelors in Science (B.Sc.)*
- **Hooghly Collegiate School (WBCHE)**  
Subjects: Science [PCM]  
Year of Passing: 2014  
Percentage: **83.6%**  
*Higher Secondary (H.S.)*
- **Hooghly collegiate School (WBBSE)**  
Year of Passing: 2012  
Percentage: **91.85%**  
*Secondary (10th)*

### Research and Laboratory skills:

- *Synthetic skills*: Basic Organic Synthesis and synthesis of air and moisture sensitive compounds.
- *Separation Techniques*: Thin Layer Chromatography (TLC), Column Chromatography, Solvent Extraction
- *Characterization Techniques*: UV-Vis Spectrophotometer, FT-IR Spectrometer, NMR Spectroscopy(<sup>1</sup>H-NMR, <sup>13</sup>C-NMR ), Mass Spectrometry and GS-MS spectrometry
- *Key Instruments Handled*: Glove Box, Schlenk line and dry solvent distillation unit
- *Computational Skills*: Chemical Master Equations, Mathematical simulation.

### Academic Achievements:

- Secured **All India Rank JRF 37** in **NET CSIR-JRF** Exam held in June 2018
- Secured **All India Rank JRF 11** in **NET CSIR-JRF** Exam held in June 2019
- Qualified **GATE (Chemistry) – 2019,2020, 2021**
- Secured **All India Rank-206** in **Joint Admission Test for M.Sc. (JAM)-2017**
- Qualified for **TIFR-2019**

### Projects undertaken:

- ❖ **Master's thesis project, IIT Madras ( 2018-2019)**

*Title*: Naphthyl based Organometallic Ru(II)-NHC Complexes: Catalytic Application in Transfer Hydrogenation and Annulation Reaction

*Problems addressed in the project*:

- Synthesis of various Naphthyl based Organometallated Ru(II)-NHC Complexes
- Study of Catalytic hydrogenation of these Organometallated Ru(II)-NHC Complexes
- Study of Annulation reaction via aromatic C-H activation of these Organometallated Ru(II)-NHC Complexes.

### Software Proficiency:

- *General Software*: Windows, MS Office, Chem Draw.
- *Languages*: Basic knowledge of MATLAB.

### Publication:

- Co-Author in an article **Organometallics 2020, 39, 18, 3362–3374** published by **ACS Publications** having DOI number is <https://doi.org/10.1021/acs.organomet.0c00441>

**Personal Strength:**

- *Communicative skills: Fluent in English, Hindi and Bengali (Native)*
- *Eagerness to pursue new ideas*
- *Quick learner*
- *Adaptive to changing environments*
- *Responsibilities and multitasking ability*

**Hobbies:**

- Travelling
- Cycling

*I would like to take up new challenges, get involved in various projects and carry out the job given to me with the responsibility that would be beneficial for the concerned work bestowed to me.*

**Declaration:** *I hereby declare that the particulars furnished above are true to the best of my knowledge and belief.*

**Place: Hooghly**

**Date: 5<sup>th</sup> February, 2022**

***Anirban Mallik***