



NSHM Knowledge Campus, Durgapur,

Research Experience Details

- Have Research experience from August, 2013 to August, 2018 with *DST-Inspire fellowship, Govt. of India at National Institute of Technology Durgapur, India* under the supervision of *Prof. Sankar Ch. Moi, Professor, Dept. of Chemistry, NIT Durgapur*. I have completed Ph.D on my Thesis titled *'In Vitro Anticancer Property of Pt(II) And Pd(II) Complexes With (N,N) Bidentate Ligand: Kinetics, Bioactivity And Theoretical Study'*.
- I was Fortunate enough to have the experience of working as Indo-Austria cooperation research fellow in the laboratory of *'Vienna University of Technology', Vienna, Austria, Europe* under the supervision of *Prof. Dr. Wolfgang Linert, Dept. of Chemistry, Vienna University of Technology*.
- I have one year post-doctoral research experience at *Shanghai Jiao Tong University School of Medicine, Shanghai, China* with *Prof. Jinyao Liu* where the research project was mostly based on *"Bacterial based oral vaccines for preventing intestinal barrier injury"* funded by *National Natural Science Foundation of China and the Shanghai Municipal Education commission-Gaofeng Clinical Medicine Grant Support*.

<i>Name of the Institute/ University</i>	<i>Position/ Fellowship</i>	<i>Under the Supervision of</i>	<i>Tenure</i>
NSHM Knowledge Campus, Durgapur Durgapur-713212, West Bengal, India	Assistant Professor	Independent Researcher	More than 2 yearsContinuing
Seacom Skills University Kendradangal, Bolpur-731236 West Bengal, India	Assistant Professor	Independent Researcher	3 year (Nov, 2020 –Nov, 2023)
<i>Shanghai Jiao Tong University, School of Medicine (Renji Hospital)</i> 160 Pujian Road, Pudong, Shanghai 200127, China	Post-Doctoral Research Fellow	<i>Prof. Jinyao Liu Professor, Shanghai Jiao Tong University, School of Medicine (Renji Hospital)</i> 160 Pujian Road, Pudong, Shanghai 200127, China	1 year (July, 2019 –June, 2020)

National Institute of Technology Durgapur MG Avenue, Durgapur-713209 West Bengal, India	DST-Inspire fellow , Govt. of India	Prof. Sankar Ch. Moi Professor, Dept. of Chemistry National Institute of Technology Durgapur	5 years (2013 -2018)
Vienna University of Technology (TU Wien) Getreidemarkt 9/163-AC A-1060 Vienna Austria, Europe	International Collaboration Research Fellowship, Austria	Univ. Prof. Wolfgang Linert Professor, Institute of Applied Synthetic Chemistry Vienna University of Technology (TU Wien)	1 month (June, 2016)

Experienced Senior Research Fellow bringing extensive experience in **Chemistry** and an **Eight** years background in university-level research. Produced **30numbers** of scientific papers published in reputed international SCI Journals in the house of **Science, ACS, RSC, Elsevier, Wiley, Springer etc.**

Have expertise in chemical synthesis, characterisation and different In vitro and In vivo studies. Can handle independently different sophisticated instruments as well as chemistry related computational softwares such as 'GaussView 0.5', 'Gaussian 9', 'Avogadro', 'Chemcraft', 'Chembiodraw', Origin etc. Also possess good knowledge in Microsoft Office.

Analytical and Instrumental Skill

Have Experience in

- Synthesis and characterization of different inorganic and organic molecules
- Cell culture and different in vitro experiments
- Bacteria culture
- In Vivo study over albino mice

Can handle independently the following sophisticated instruments

- NMR Spectrophotometer
- ESI-MS
- Gas-Chromatography
- FT-IR Spectrophotometer (Thermo Scientific, Nicolet iS10)
- Auto-titrator/ Titro-processor (Metrohm, 888 titrando)
- 1. CHNS Analyzer (Thermo Scientific, Flash 2000)
- 2. Stopped-Flow (Applied Photophysics)
- 3. Gel electrophoresis apparatus
- 4. Rotary evaporator
- 5. UV-Vis Spectrophotometer (Shimadzu, UV-1800)
- 6. Fluorescence Spectrophotometer (Hitachi, F-2500)
- 7. Confocal Fluorescence Microscope (Leica TCS SP8)
- 8. Conductometer
- 9. pH meter
- Potentiometer