

# CURRICULUM VITÆ

<b>Dr. Sagar Ghosh</b> (PhD Chemistry) IP Analyst, Dolcera ITES (p) Ltd., Hyderabad  <b>DOB – 17/02/1990</b>	<b>Contact :</b> Address- Chandipur, Jhargram, West Bengal, 721507, India  Phone- +91-8620889088/ +91- 6291511686 Email: sagar.chirality@gmail.com / sagargh2009@gmail.com	
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## Work experience

### *Patent Analyst*

Dolcera Information Technology Services Pvt. Ltd., Hyderabad,  
500 032. (**September 2019 – Present**)

### *Assistant Professor Adhoc*

Guru Ghasidas Vishwavidyalaya, Central University, Bilaspur,  
C.G., India (**January 2019 – September 2019**)

## Career objectives

- ❖ To work in an organization where I can contribute with my skills and expertise to achieve mutual growth and success. To utilize the prowess of Intellectual property Rights including Patent prosecutions, Landscape searches, Claim mapping, prior-art searches, novelty, FTO searches, NPL searches to gain the insights of new inventions and their legal protections.

## Skills and expertise

- ❖ Highly skilled in the area of Patentability search, FTO search, Invalidation search and Patent litigation. Expert in Landscape analysis and Claim mapping.
- ❖ Highly motivated individual and innovative researcher. Published **Nine** scientific papers in peer reviewed journals having international repute. Experienced in managing multiple projects simultaneously. Quick learner and enthusiastic team man possessing leadership quality. Effective communicator, adaptable, honest and accommodating.
- ❖ Meticulously handled several expensive instruments, for instance, SCXRD, spectrophotometer, fluorimeter, Mass Spectrometer, HPLC, NMR, SQUID etc. Expert in synthesis techniques and analysis.

## Awards / Invited speaker

- **May, 2021: Invited Speaker at National Conference** on Recent Progress and Developments in Pharmaceutical Sciences, organized by Expert Pharmacy Association, Registered under I.T.A (Govt. of India)
- **May, 2021: Invited Speaker at International Conference** on Recent Innovations and Modern Advancements in the field of Pharmaceutical Technology, jointly organized by SCPM college of Pharmacy and Indian Pharma Educational Society.

- **September, 2015 – August, 2018:** Senior Research Fellowship, **CSIR, Government of India**
- **August, 2013 – August, 2015:** Junior Research Fellowship, **CSIR, Government of India**
- **June, 2012:** **NET Examination qualified** and eligible for lectureship, **Conducted by CSIR, Government of India**
- **March, 2012:** **GATE Examination qualified**, **Conducted by MHRD, Government of India**

### Academic Qualifications:

Degree	Board/University	Marks(%)	Dates
PhD	University of Calcutta	-	August, 2013 – May, 2019
MSc	Guru Ghasidas Vishwavidyalaya (Central)	80.2	August, 2010 – July, 2012
BSc (Hons)	Vidyasagar University	53.8	August, 2007 – July, 2010
12 <sup>th</sup>	WBCHSE	65.2	2007
10 <sup>th</sup>	WBBSE	72.8	2005

- ❖ **November, 2021-** Successfully completed the NPTEL certified course “**Patent Law for Engineers and Scientists**” with a score of **75%**, issued by **Indian Institute of Technology Madras**.

### Personal Summary

I have taught UG and PG courses in GGV, Bilaspur and my service is well appreciated. A diverse area of Chemistry including Medicinal, Green Chemistry, Organic Chemistry was nurtured and taught to cultivate scientific spirit. Presently, I'm working as patent analyst and I have learned some important IP analysis techniques like Infringement analysis, prior-art search, state-of-the-art searches. Expert in FTO search, novelty, claim mapping. I have a strong track record of developing new techniques and disseminating them to other members of a team. I have demonstrated organizational and leadership qualities, for instance in the supervision of postgraduate and PhD students in their scientific work and dissertations.

**Ph. D (Science):** Degree received on 29<sup>th</sup> May 2019.

**Supervisor:** Professor Sasankasekhar Mohanta.

**Thesis Title: Comprehensive Insight into Discrete and Polymeric Coordination Compounds: Crystal Structures, Magnetochemistry and Supramolecular Interactions**

### LIST OF PUBLICATIONS

Sl.No.	Title of articles, Authors, Journal, Year, Vol. no., Page no.
1	“A nickel(II)–manganese(II)-azido layered coordination polymer showing a three-dimensional ferrimagnetic order at 35 K”, <b>S. Ghosh</b> , S. Roy, C.-M. Liu and S. Mohanta, <b>Dalton Transactions</b> , 2018, 47,

	836–844.
2	“Experimental and theoretical exploration of magnetic exchange interactions and single molecule magnetic behaviour of bis( $\eta^1:\eta^2:\mu_2$ -carboxylate) $Gd^{III}_2/Dy^{III}_2$ systems”, <b>S. Ghosh</b> , S. Mandal, M. K. Singh, C.-M. Liu, G. Rajaraman and S. Mohanta, <b>Dalton Transactions</b> , 2018, 47, 11455–11469.
3	“Syntheses, crystal structures and magnetic properties of a series of $Zn^{II}Ln^{III}_2$ compounds (Ln = Gd, Tb, Dy, Ho and Er): Contrasting Structural and Magnetic Features”, <b>S. Ghosh</b> , N. Hari, D. Pinkowicz, M. Fitta and S. Mohanta, <b>New Journal of Chemistry</b> , 2018, 42, 15917–15929.
4	“Syntheses, Crystal Structures and Magnetic Properties of Heterodinuclear Nickel(II)–Manganese(II)-Based One- and Two-Dimensional Coordination Polymers: Magnetostructural Correlation”, <b>S. Ghosh</b> , N. Hari and S. Mohanta, <b>ChemistrySelect</b> , 2018, 3, 9402–9408.
5	“Exploration of weak interaction directed self-assemblies on reacting mononuclear copper(II)/nickel(II)···water host···guest systems of a double-compartment ligand with mono/di/tricarboxylic acids”, <b>S. Ghosh</b> , L. Mandal and S. Mohanta, <b>Polyhedron</b> , 2015, 97, 1–12.
Apart from the above mentioned papers, <b>four</b> more papers have been published in journals having international repute. For more information please click on the following link <a href="https://scholar.google.co.in/citations?user=8OK4c6MAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=8OK4c6MAAAAJ&amp;hl=en</a>	

## Research Career

### Research Interests:

- ❖ Quest for designing functional organic molecules that possess wide range of application in Medicinal Chemistry.
- ❖ Probing the application of synthesized compounds in biological or green environment.
- ❖ Quest for design syntheses of Polymeric materials having extra-ordinary properties in terms of spectroscopic and magnetic applications.
- ❖ Quest for molecule based Single Molecule Magnet (SMM) material for the possible application in data storage devices and quantum computing.

<b>REFEREES</b>	
<b>Prof. Sasankasekhar Mohanta</b> (Supervisor) Department of Chemistry, University of Calcutta, 92 A.P.C Road, Kolkata-700009, India	E-mail: sm_cu_chem@yahoo.co.in Phone: +91-9433883751
<b>Prof. Goutam Kumar Patra</b> Department of Chemistry, Guru Ghasidas Vishwavidyalaya, Bilaspur 495 009, India	E-mail: patra29in@yahoo.co.in Phone: +91-9433378801