

CURRICULUM VITAE

Dr. Mehebab Ali Khan (PhD in Chemistry)

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Career Objective

To contribute my educational, technical skills and hard work for the benefit of the Organization/Company and also learn new technologies which will provide me a better platform to add values to my organization along with my personal growth.

Personal Strength

- Ability to adapt to any atmosphere.
- Carry out task with responsibility till end.
- I am very particular about punctuality.
- Ability to work hard with determination.

Current Position

- **Senior Research Associate – CRO R&D** at LAXAI Life Sciences Private Limited under the Band “R1” in the level “R1B” from March, 2022.

Work Experience

- TCG Life sciences Pvt. Ltd., Kolkata, (February, 2014-March, 2016).

Qualification

Examination	Institute	Name Of The Board	Year	Percentage
Ph.D. (Medicinal Chemistry)	Aliah University Kolkata, West Bengal	Aliah University	2022	Awarded
M.Sc. Chemistry	Aliah University Kolkata, West Bengal.	Aliah University	2014	74%
B.Sc. Chemistry (Hons.)	Aliah University Kolkata, West Bengal.	Aliah University	2012	68%
Higher Secondary	Contai High School	W.B.C.H.S.E	2008	71%
Madhyamik	Hijli Gopichak High School	W.B.B.S.E	2006	81%

Thesis Title

Design and Synthesis of Chromogenic and Fluorogenic Schiff bases and Their Metal Complexes: Structure, Biological and Environmental Studies.

Computer Skill

- Proficient in Computer operations, **MS Office**, working knowledge of **Chemdraw, Origin, Mercury 3.7**.
- Well versed with **Scifinder** and **Internet/Sci-Hub, ELNB entry**.
- Diploma in Information Technology (**DIT**) from National Computer Centre

Technical and Functional Skills

- Excellent knowledge of basic and advance organic chemistry.
- Very good knowledge of functional group conversion and multiple step synthesis.
- Excellent trouble-shooting skills in purification and extraction.
- Good knowledge of Prep-HPLC and analysing NMR, IR, Mass Spectrometry data.
- Handled various oxidizing and reducing reagents.
- Expertise of writing and reviewing electronic lab notebooks and writing final reports.

Achievements

- Awarded MANF-JRF 2017.
- Awarded Post Metric Scholarship from WBMDFC, 2010 to 2014.

Project and Presentation

- Three months (May-July, 2013) project experience on “**Application of an Elastic Network Method for Analyses of viral Proteins**” under the supervision Dr. Sayak Ganguly from DBT, Presidency University, Kolkata, West Bengal, India.
- Twelve months (April, 2016-March, 2017) project experience on “**Molecular Lock and key an “Unlocked-Locked” conformational Switching of Schiff bases Receptor by Anions**” under the supervision of Dr. Md. Akhtatul Alam, from Dept. of Chemistry of Aliah University, Kolkata, West Bengal, India.

Conferences /Seminars Attended

- Poster presentation on one day *International Symposium on Current Trends in Chemistry (ISCTC@ DHWU)* organized by **Department of Chemistry; Diamond Harbour Women’s University** on 10/01/2020.
- Poster presentation on three days Young Scientists’ Conference in *Indian International Science Festival 2019* on “**Research Innovation Science Empowering Nation**” organized by **Ministry of Science and Technology, Govt. of India and Ministry of Earth Science Govt. Of India**, at Kolkata from 05/11/2019 to 07/11/2019.
- Poster presentation in *2ndInternational Conference on Chemistry, Industry and Environment (ICCIE-2019)*(February 18-19, 2019) organized by **Department of Applied Chemistry Zakir Hosain College of Engineering & Technology Aligarh Muslim University**, Aligarh, India.
- Poster presentation on one day National Conference on “*Current Challenges & Opportunities in Chemical Sciences*” organized by **Department of Chemistry, Aliah University**, Kolkata, India on 08/08/2019.

Language Known

- Bengali, English, Hindi, (Read, Write &Speak).
- Oriya.(only speak)

Personal Information

Date of Birth : 18-01-1991

Nationality : Indian

Gender : Male

Marital Status : Married

Permanent Address : Vill- Nonapota, Post- Gopichak, P.S-Khejuri Talpati Coastal.
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Publications

1. **Mehebab Ali Khan**, Soumen Ghosh, Sachinath Bera, Anamika Hoque, Ismail Sk, Shagufi Naz Ansari, Mohammad Mobin Shaikh, Md.Akhtarul Alam, **A Crystallographic Elucidation of Stimuli Controlled Molecular Rotation for Reversible Sol-Gel Transformation.** *Journal of Organic Chemistry*, 2020,85,6,4019-4025
2. **Mehebab Ali Khan**, Surendra Meena, Md.Akhtarul Alam, Soumen Ghosh, **A Solvent Sensitive Coumarin Derivative Coupled with Gold nanoparticles as Selective Fluorescent Sensor for Pb²⁺ Ions in Real Samples.** *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 243 (2020), 471-477.
3. Soumen Ghosh, **Mehebab Ali Khan**, Arghyadeep Bhattacharyya, Md. Akhtarul Alam, Ennio Zangrando and Nikhil Guchhait, **Cu (II) induced twisting of biphenyl core: Exploring the effect of structure and coordination environment of biphenyl based chiral copper (II) complexes on interaction with calf thymus DNA.** *New Journal of Chemistry*, 2020,44,20275-20284
4. Ismail Sk, **Mehebab Ali Khan**, Md. Akhtarul Alam, **Selective detection of environmentally hazardous Hg²⁺ ion by bio functionalized reusable silver nanoparticles.** AIP Conference Proceedings, October, 2020.
5. Ismail Sk, **Mehebab Ali Khan**, Anamika Haque, Soumen Ghosh, Dola Roy, Sumit Homechudhuri, Md. Akhtarul Alam, **Synthesis of Gold and Silver Nanoparticles Using Malva Verticillata Leaves Extract: Study of Gold Nanoparticles Catalysed Reduction of Nitro –Schiff Bases and Antibacterial Activities of Silver Nanoparticles.** *Current Research in Green and Sustainable Chemistry*, 3(2020)100006
6. Ismail Sk, **Mehebab Ali Khan**, Soumen Ghosh, Dola Roy, Subharthi Pal, Sumit Homechudhuri, Md. Akhtarul Alam, **A reversible biocompatible silver nanoconstructs for selective sensing of mercury ions combined with antimicrobial activity studies.** *Nano-Structures & Nano-Objects* 17 (2019) 185–193
7. Soumen Ghosh, **Mehebab Ali Khan**, Aniruddha Ganguly, Abdulla Al Masum, Md. Akhtarul Alam, Nikhil Guchhait, **Binding mode dependent signaling for the detection of Cu²⁺: An experimental and theoretical approach with practical applications.** *Spectrochimica Acta Part A: Molecular and Bio molecular Spectroscopy* 190 (2018), 471-477



References

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Declaration

I hereby declare that the above particulars are true to best of my knowledge and belief and I would be glad to provide any other information required by you.

Date:

Place:

(*Mehebab Ali Khan*)