



MD FAIZ ALAM

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Boys Hostel-7, NIT Jalandhar, Punjab, India

Education and Training

Master of Science in Chemistry

2021-2023

Institute: Dr B R Ambedkar National Institute of Technology, Jalandhar, India.

Bachelor of Science (Hons) in Chemistry

2018-2021

Institute: Aligarh Muslim University, Aligarh, India.

Research Experience

Topic: Transition metal- lanthanide-based MOFs and their application in sensing

Institute: **Dr B R Ambedkar National Institute of Technology, Jalandhar, India.**

I am working on a project entitled "Transition metal- lanthanide-based MOFs having dicarboxylate as a linker and their application in sensing." for my Master's thesis.

Summer Training Program

Institute: **Sant Longowal Institute of Engineering and Technology, Punjab, India.**

I have worked on Schiff base synthesis during my training program.

Gained hands-on experience with several laboratory skills like TLC, Column chromatography, and Rota-evaporator.

Courses

Introduction to Molecular Spectroscopy, an online non-credited course authorized by the University of Manchester and offered by Coursera

Nanotechnology: A Maker's course, an online course authorized by Duke University, NCSU and the University of North Carolina at Chapel Hill, offered through Coursera.

Writing in Sciences, an online course authorized by Stanford University offered through Coursera.

Skills

Language:

Hindi (Native)

English (Proficient)

Laboratory Skills:

UV-visible spectrophotometer | Fluorescence spectrophotometer | Thin Layer Chromatography | Rota-evaporator.

Digital Skills:

Microsoft Word | Microsoft Office | Microsoft PowerPoint | ChemDraw Professional | Origin Data Analysis and Graphic Software- Origin Lab.

Conferences and Seminars

- International Conference on "Advanced Functional Materials: Future Perspectives" (AFMFP-2022), Organized by NIT Jalandhar.
- Participated in the RSC-IITM Desktop Seminar on Environmental Science 2022, organized by the Royal Society of Chemistry.
- Participated in the RSC-IISER Desktop Seminar with OBC organized by the Royal Society of Chemistry.
- Participated in Shine light with in situ photo-NMR organized by Chemistry World Webinar.
- Participated in the 28th NATIONAL LEVEL STUDENT SYMPOSIUM ON NANO STRUCTURE Organized by NIT TIRUCHIRAPPALLI, India.
- Participated in International Webinar on Plants and microbes for environmental sustainability, Organized by Aligarh Muslim University & ISEB CSIR-NBRI, India.
- Participated in Webinar entitled" Non-Metallic Luminescent Quantum Dots: Do they have potential to replace metallic Quantum Dot" Organized by Adamas University, Kolkata, India.
- Participated in the International Conference series" Trends in Nanotechnology" Organized by Aligarh Muslim University, India.
- Participated in International E Conference on Advances In Chemical Research 2021, Organized by GITAM University, India.

Extra Curricular Activities

Placement Representative

Department of Chemistry, NIT Jalandhar, Punjab, India.
2022-present.

Volunteer

Deen Dayal Antoday-National Urban Livelihood Mission
Social work for COVID-19 Vaccination and awareness about the pandemic among ordinary people.