

MUSKAAN RASTOGI

Email: [muskaan140599@gmail.com], Mob: [7800915966]

LinkedIn: [www.linkedin.com/in/muskaan-rastogi-a653a7236]

EDUCATION

M.Sc.	2022-2024	University of Lucknow	Molecular and Human Genetics	82.5%
B.Sc.	2019-2022	University of Lucknow	Genetics and Genomics	66.2%
XII (ISC)	2017	The Modern School, Lucknow	English,Physics,Chemistry,Biology & Computer	84.8%
X (ICSE)	2015	The Modern School, Lucknow	English,Hindi,HCG,Maths,Science & Computer	86.6%

- **REGISTERED PATENT AGENT : (IN/PA - 6157)**
- Freelancing in the field of patents for the past 6 months, providing services such as patent search, drafting, filing and prosecution.
- Achieved a top 1% batch rank in the Master's Program, demonstrating exceptional academic performance and dedication.
- Pursuing Diploma in Patent Law and Analysis (USPTO) : Searches, Specifications, Prosecution, Litigation and Licensing
- Pursuing Diploma in Legal English Communication for Lawyers - oratory, writing, listening and accuracy

CERTIFICATIONS

- **Content writer internship at Legitimate India (2025)**
- **3 Days Bootcamp on Career in Patents:How to be a Patent Agent, Examiner or Analyst in India** by LawSikho (2024)
- **Hands-on Training on "Computer-Aided Drug Designing (CADD)"** by Aspire Tech Park Pvt. Ltd. (2024)
- **Mastering the basics: a theoretical exploration of molecular docking** by Aspire Tech Park Pvt. Ltd. (2024)
- **Workshop on "Microbiome/Metagenome Data Analysis"** by RGC B - Rajiv Gandhi Centre for Biotechnology (2024)
- **Precision medicine and intensive care conference** by King George's Medical University (2024)
- **Workshop on "GENOTOXICITY"** by CSIR-Indian Institute of Toxicology Research (2023)
- **Workshop on "BSL3 practices genetic manipulation and drug discovery protocols TB research"** by University of Delhi (2023)
- **Workshop on "Intellectual property awareness program"** by Office Of The Controller General Of Patents, Designs And Trade Marks (CGPDTM) (2023)
- **Workshop on "Application of molecular genetics in disease diagnostics"** by University of Lucknow (2023)
- **Seminar on "Functional Biology and Molecular Interactions"** by University of Lucknow (2023)
- **Workshop and internship on "Molecular Biology and Biochemistry Techniques"** by AIIMS (All India Institute of Medical Sciences, New Delhi) (2021)
- **Workshop on "Techniques of Molecular and Computational Biology"** by University of Lucknow (2021)

DISSERATION

- Training on topic "Apoptotic response of human mesenchymal stem cells on exposure to sodium (meta) arsenite" under the guidance of Dr. A.B. Pant (Senior Principal Scientist), Systems Toxicology and Health Risk Assessment Group, CSIR-Indian Institute of Toxicology Research (2024)
This hands-on experience has provided me with extensive technical expertise in various molecular biology and cell biology techniques, including:

- ✓ Real-time PCR and RNA quantification
- ✓ Cell-line handling and cryopreservation
- ✓ RNA and protein isolation, SDS-PAGE, and western blotting
- ✓ Agarose gel electrophoresis and gel documentation
- ✓ Flow cytometry, MTT assay, and cell viability assays
- ✓ BCA protein assay and biospectrophotometry
- ✓ cDNA synthesis and statistical analysis
- ✓ Phase contrast, fluorescence, and light microscopy
- ✓ Centrifugation, sonication, microplate reading, and more

TECHNICAL SKILLS

- | | |
|--------------------------------|------------------------------------|
| • Patent Search | • DNA, RNA and protein extraction |
| • Patent Drafting | • DNA and RNA Quantification |
| • Patent Prosecution | • Real Time PCR |
| • Techno-Legal Content Writing | • Light and Fluorescent Microscopy |
| • Agarose Gel Electrophoresis | • Cell line handling |
| | • SDS-PAGE |

ARTICLES

- **Why Intellectual Property Rights Matter : Theories and Justifications** – Legitimate India (2025)
- **Key International Treaties Shaping Intellectual Property Laws: Paris, Berne, WIPO, and TRIPS** – Legitimate India (2025)

FREELANCE PROJECTS

Working independently on patent-related projects for individual clients and startups for the past 6 months.

Provided the following services :

- Patent Search
 - Novelty Search
 - Freedom-to-operate (FTO) search
 - Invalidity search
- Patent Drafting
- Patent Prosecution

EXTRA CURRICULAR ACTIVITIES

- Brand Ambassador of LUAF (Lucknow University Alumni Foundation).
- Participated in Green Heartfulness Run organized by Heartfulness Institute, Lucknow.
- Fundraising Volunteer in Vishalakshi Foundation.
- Graphic Designer