



Mahima Choudhary

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About Me

Highly dedicated and results-driven Forensic Scientist with a strong foundation in toxicology, analytical chemistry, and public safety research. Expertise in advanced instrumentation, including GC-MS/MS and LC-MS/MS, coupled with practical experience in policy impact assessment and field-based forensic investigation. Proven ability to operate under GLP guidelines, draft comprehensive scientific reports, and collaborate effectively with government stakeholders. Pursuing advanced doctoral research to further specialized knowledge in Forensic Science.

Skills

- Analytical and Lab techniques
- Scientific Reporting
- Field Research
- Stakeholder Management
- Critical Thinking
- Effective Communication

Education

- B.Sc** 2019-2022
Maharishi Dayanand University ,
Rohtak, Haryana
- M.Sc in Forensic Science** 2022 - 2024
GD Goenka University, Gurugram,
Haryana
- Ph.D in Forensic Science (Pursuing)** 2025-on going
KR Mangalam University,
Gurugram, Haryana

Experience

- Research Officer (Project Based)** March 2024-Present
National Forensic Science University, Gandhinagar

Project: One Stop to Full Stop - Impact Assessment of One Stop Centres (Under Nirbhaya Framework). Spearheaded on-site impact assessment across five major Indian states. Collaborated with government officials and critical stakeholders to gather comprehensive data and insights. Also drafted detailed impact assessment reports and performed complex analysis of field data to evaluate forensic policy and victim-support frameworks.
- Intern- Pesticide Residue Analysis** April 2024
Institute of Pesticides and Formulation
Technology

Conducted specialized training in the extraction of pesticide residues from 8 diverse sample matrices. Proficiently operated advanced analytical instruments: GC-MS/MS and LC-MS/MS. And maintained strict adherence to Good Laboratory Practice (GLP) standards throughout testing and analysis.
- Intern- Toxicology and Biology Division** January 2024
Forensic Science Laboratory, Dehradun

Performed critical toxicology tests, including drug extraction from blood/viscera, phosphide, and alcohol analysis. Executed DNA extraction and analysis using advanced techniques such as PCR and Genetic Analyzer. And utilized TLC plates and spraying agents for compound separation and identification.

Research Projects

- Major Project: Food Adulteration & Pesticide Residue Analysis**
Identified and confirmed adulteration in five food matrices using a combination of physical and chemical analytical methods. Successfully extracted and analyzed pesticide residues using Gas Chromatography-Mass Spectrometry (GC-MS/MS).
- Minor Project: Correlation of Fingerprint and ABO Blood Grouping**
Analyzed a sample size of 50 student samples to statistically explore the potential relationship between distinct fingerprint patterns and ABO blood groups.