

Curriculum Vitae



ASHIKA GOEL

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EDUCATION

- **PhD: Pharmacology and Toxicology** **Aug'23 - Present**
Michigan State University, East Lansing, MI (*GPA currently – 4.0*)
- **Master of Science: Toxicology** **Aug'20 – Aug'22**
National Forensic Sciences University, Gujarat, India
CPI: 9.79/10 (93%) Double Gold medalist (Batch topper 2020-22 and University girl topper 2020-22)
- **Bachelor of Science: Forensic Sciences** **Aug'17 – July'20**
Bundelkhand University, Jhansi, India
Batch Topper (2017-2020)

KEY SKILLS

- Excellent teamwork and collaboration skills demonstrated by being an active member of the organising team as well as the event host for an international e-conference on Empowering Forensic Sciences during masters which got published in The Forensic News Journal, August edition and went live on YouTube with 3k+ views.
- Confident in public speaking demonstrated by hosting numerous national and international conferences as well as cultural events.
- Consistently hardworking and Academic Excellence demonstrated by high academic ranking throughout the academic career and receiving 2 gold medals by the Honourable Minister of Home Affairs – Govt of India – Shri Amit Shah.
- Strong Leadership and empathetic mentoring skills demonstrated by working as a team with a diverse group of people and mentoring junior team members, organizing study groups, or leading academic projects providing constructive guidance and fostering their growth and development.
- Excellent writing skills and thorough proofreading demonstrated by having experience in drafting and editing written content, preparing reports, and ensuring clarity, coherence, and adherence to professional standards.

RESEARCH EXPERIENCE

- **Doctoral Candidate** **Jan'24 – Present**
Department of Pharmacology and Toxicology, MSU
Currently assessing the effect of social stress on bladder dysfunctions
Funded on a grant: RC116020
Mentor – Dr Nathan Tykocki
- **Research Rotation** **Oct'23 – Dec'23**
Department of Physiology, MSU
The main goal was to test whether we could use markers of neuron activity and a new marker of neuronal inactivity to detect changes in enteric neuron activity in the myenteric plexus. Successfully confirmed the efficacy of the
Mentor – Dr Brian D. Gulbransen

neuron inactivity marker and the timing needed to detect changes in neuron activity reflected by an increase in pERK.

□ **Master's Thesis and Internship candidate**

Department of Medical Elementology and Toxicology, Jamia Hamdard, India

March'22 – July'22

*Mentors – Dr Sheikh Raisuddin
Dr Rakhi Agarwal*

Master's Thesis Topic: Biochemical and histological effects of phthalate esters on hepatic and testicular tissues in male Wistar rats. (Obtained 10/10 CGPA)

WORK EXPERIENCE

Appointed as "**Junior Research Scientist**" in the "*Department of Pharmacology and Toxicology*" at "*Institute of Industrial Research and Toxicology, Delhi*" **Dec'22 – March'23**

Tasks –

- Animal handling – Wistar rats, Swiss Albino mice, Guinea pigs, New Zealand White Rabbits
- Perform contractual toxicological research on medical device samples as per ISO10993 guidelines
- Perform drug testing as per OECD guidelines
- Majorly performed – Abnormal Toxicity tests as per IP – Indian Pharmacopoeia
- Majorly performed – Pyrogen test in rabbits as per IP – Indian Pharmacopoeia
- Recording raw data and documenting reports under supervision

ACADEMIC ACHIEVEMENTS

2022 - Awarded **two Lakshmi memorial gold medals** by Honourable Minister of Home Affairs; and Minister of Co-operation, Govt of India, Shri Amit Shah **for standing first in M.Sc Toxicology 2020-2022 & for being topper girl student of the university 2020-2022**

2021 – Received a letter of appreciation with the mentioned name from the then Chief Minister of Gujarat State Mr Vijay Rupani for organising an international e-conference on "Empowering Forensic Sciences" during masters.

2020 – Batch Topper in undergrad program (2017-2020)

2016 – Received Academic excellence award for scoring 90.4%