

# Parul Sharma

PhD Student, Department of Chemistry

Oklahoma State University

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LinkedIn

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## Objective

As a dedicated organic chemist specializing in synthetic organic and natural product chemistry, I have developed extensive experience in natural product isolation during my master's studies and in small molecule synthesis during my Ph.D. training. Currently in my fourth year in Dr. Jimmie D. Weaver's lab, my research focuses on developing sustainable, visible light-driven methodologies for the synthesis of bioactive compounds. Through participation in the Institute for Future PUI Faculty, I aim to strengthen my teaching skills, gain insight into evidence-based pedagogy, and prepare for a future academic career that integrates impactful research with inclusive and engaging undergraduate education.

## Professional Preparation

BS-MS Dual Degree (Chemistry), Punjab Agricultural University

2021

French Certificate, Punjab Agricultural University

2021

PhD in Chemistry, Oklahoma State University (Advisor: Dr. Jimmie D. Weaver)

Expected May 2027

## Appointments and Professional Experience

Graduate Research Assistant, Oklahoma State University

2023 – Present

Graduate Teaching Assistant, Oklahoma State University

2022 – 2023

Staff Manager, AS Components, Ludhiana, India

2021 – 2022

Chemistry Tutor (Self-employed)

2019 – 2022

Graduate Research Assistant, Punjab Agricultural University

2019 – 2021

## Publications

1. Hanumanthu, R., **Sharma, P.\***, et al., *J. Am. Chem. Soc.*, 2025.
2. Kaur, A., et al., **Sharma, P.**, *Nat. Prod. Res.*, 2025.
3. Kaur, R., et al., **Sharma, P.**, *J. Biol. Act. Prod. Nat.*, 2024.
4. **Sharma, P.** et al., *Cogent Food Agric.*, 2024.
5. **Sharma, P.** & Kaur, R., *Nat. Prod. J.*, 2025.
6. **Sharma, P.** et al., *Discov. Plants*, 2025.
7. **Sharma, P.** et al., *Discov. Plants*, 2024.
8. **Sharma, P.**, *J. Pharmacogn. Phytochem.*, 2024.
9. **Sharma, P.** et al., *J. Med. Plants Stud.*, 2024.
10. **Sharma, P.**, *Eur. J. Med. Plants*, 2024.
11. **Sharma, P.** & Kaur, R., *Eur. J. Med. Plants*, 2024.
12. **Sharma, P.**, *J. Med. Plants Stud.*, 2024.
13. **Sharma, P.** & Kaur, R., *Eur. J. Med. Plants*, 2025.
14. Kaur, R., **Sharma, P.**, *Discov. Chem.*, 2025.
15. Kaur, N., **Sharma, P.**, Preprint, 2025.

Full list: Google Scholar

## Academic and Professional Honors

Distinguished Graduate Fellowship in Chemistry, Oklahoma State University

2025

Merit Certificate for Highest CGPA in Chemistry, Punjab Agricultural University

2021

Poster Presentation Certificate of Participation

2019

## Poster Presentations

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GPCS Symposium, University of Oklahoma	Aug 2024
GPCS Symposium, Lawrence, Kansas	Sept 2023
ACS Southwest Regional Meeting, Waco, TX	Oct 2024
ACS Southwest Regional Meeting, Oklahoma City, OK	Nov 2023
Poster presented to Nobel Laureates, Punjab Agricultural University	Sept 2019
1st National Students' Conference on Spectroscopy (NCOS), GNDU Amritsar	Oct 2020

## Professional Memberships

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American Chemical Society	2023 – Present
Phi Lambda Upsilon Chemistry Honor Society	2023 – Present
Electrochemical Society (Social Media Officer)	2023 – Present

## Courses Taught at OSU

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CHEM 3013 — Survey of Organic Chemistry (TA)
CHEM 3012 — Organic Chemistry Laboratory

## Licenses and Certifications

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Programming for Everybody: Getting Started with Python (Coursera)	Nov 2020
Analytical Techniques in Molecules and Materials, SLIET	Jun 2020

## Volunteered Services

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Student Volunteer, National Service Scheme	2016 – 2019
Judge, Oklahoma State Science and Engineering Fair	Mar 2023
Volunteer, Grandparent University Event	Jun – Jul 2023
Member, Indian Student Association	Aug 2022 – Present
Contributor, Cancer Social Work	
Reviewer, Chemistry & Biodiversity Journal	2025 – Present