



Dr. Chandni Chaurasia

General Information

DOB: 17-06-1994

Address:

Official- Department of Geology, University of Delhi, Delhi 110007

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Research gate link:

https://www.researchgate.net/profile/Chandni-Chaurasia?ev=hdr_xprf

Google scholar link:

<https://scholar.google.com/citations?user=aSOmRooAAAAJ&hl=en>

Specialisation

- Metamorphic petrology
- Himalayan Tectonics

Teaching Interest

- Metamorphic petrology
- Mineralogy
- Geochemistry

Education



Doctor of Philosophy (PhD)

Banaras Hindu University

2024

(Metamorphic Evolution and Partial Melting Mechanism of the Higher Himalayan Crystalline Sequence (HHCS), Alaknanda-Dhauliganga valley, Garhwal Himalaya)

Supervisor: Dr. Amiya Kumar Samal



Master of Science (M.Sc.)

Banaras Hindu University

2018 (Geology)



Mater of Technology (M.Tech.)

National Institute of Technology, Raipur

2015-16 (Applied Geology)



Bachelor of Science (B.Sc.)

Bundelkhand University, Jhansi (U.P.)

2015 (Geology (major), Chemistry, Computer Sci)

Experience (Reseach/Job)



Assistant Professor

Department of Geology, University of Delhi, North Campus

2026-Presnt



Institute Postdoctoral Fellow

Indian Institute of Technology, Bombay

2025-2026

Supervisor: Prof. Prabhakar Naraga



Junior/Senior Research Fellow

Wadia Institute of Himalayan Geology, Dehradun

2019-2024

(Metamorphic Evolution and Partial Melting Mechanism of the Higher Himalayan Crystalline Sequence (HHCS), Alaknanda-Dhauliganga valley, Garhwal Himalaya)

Supervisor: Dr. S.S. Thakur



Mater's dissertation

Banaras Hindu University, Varanasi

June 2017-2018

(Geology and Structural Analysis in and around Sayanachatti Area, Uttarkashi District, Uttarakhand)

Supervisor: Prof. H. B. Srivastava

Achievements

- CSIR-RA (Research Associate) Award 2025
 - Gate- 2020, organized by IIT Delhi; (qualified)
 - CSIR-UGC-NET JRF (2018), New Delhi; (JRF qualified)
 - Secured 1st Rank in B.Sc. (Hons) Geology (2015) at Bundelkhand University, Jhansi (U.P.)
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Professional Membership

- Member, Geological Society of India
- Executive Committee Member (2017-18), BHU Geoscience Student Chapter of AAPG, Asia pacific region

Seminar/Workshop attended

- 1.6th International Workshop on Electron probe micro-analysis entitled "Recent Developments and Applications in earth sciences and archaeology of electron probe micro-analysis" scheduled on 24-27 March 2025 hosted virtually by the Agricultural University of Athens, Greece.
- 2.4th National Geo-Research Scholar meet (NGRSM) on "Geoscience for Society" conducted on 23-24 June 2020 at Wadia Institute of Himalayan Geology, Dehradun.
3. "GEOCHRON- An Online Lecture Series on various aspects of Geology," organized by Geological Institute, Department of Geology, Presidency University, Kolkata from 22 August to 27 September, 2020.
- 4.E-Training on "Course on Chemistry for Geologists" conducted by Chemical Division of Geological Survey of India Training Institute, Hyderabad from 23 July - 28 July 2020.
2. **Chaurasia, C.**, Thakur, S.S., Patel, S.C., Samal, A.K., Metamorphic Evolution and Tectonic Discontinuity in the Higher Himalayan Crystalline Sequence: Insights from the Dhauliganga Valley, Garhwal Himalaya. Conference on Integrated Earth (CITE-2024) at IISER Pune. abstract number ESE-P15, abstract volume page. (in-person poster session).
3. **Chaurasia, C.**, N. Gour, Samal, A.K., Thakur, S.S., Genesis of Y- and Th- zoned Monazite: A Case Study from the Alaknanda-Dhauliganga Valley, Garhwal Himalaya. 7th National Geo-Research Scholar Meet (NGRSM) on 'Geoscience: Emerging Method' (2023) at WIHG, Dehradun. Abstract volume page 69-70. (in-person poster and oral session).
4. **Chaurasia, C.**, Thakur, S.S., Patel, S.C., Samal, A.K., N. Gour, Prograde growth zoning in metamorphic monazite from metapelites of Higher Himalayan Crystalline Sequences, Dhauliganga Valley. Federation of Indian Geoscience Association (FIGA) 3rd Triennial Congress on Geoscience of Himalaya for sustainable development (2022) at WIHG, Dehradun. (in-person poster and oral session).
5. **Chaurasia, C.**, Thakur, S.S., Madhavan, K., Patel, S.C., Samal, A.K (2021), REE geochemistry of monazite from metapelites in Greater Himalayan Sequence, Dhauliganga Valley, Garhwal Himalaya. American Geophysical Union (AGU) Fall Meeting (2021). Abstract number T45C-0247. (online poster discussion).

Conferences

1. **C. Chaurasia**, S.S. Thakur, S.C. Patel, Compositional Zoning of Monazite as a Record of Metamorphic Reactions in Metapelites of Higher Himalayan Crystalline Sequence (Garhwal region): Implications for Subsolidus and Suprasolidus Metamorphism. International Conference on Geodynamic Evolution of Himalaya, pp. 39, Kumaon University Nainital, 2025.

Publications

1. **Chaurasia, C.**, Thakur, S. S., Patel, S. C., Gour, N., & Sheikh, J. M. Compositional zoning, crystal chemistry and metamorphic growth of monazite in the Greater Himalayan Sequence, Dhauliganga Valley, Garhwal Himalaya. *Geochemistry*, 86(1), 126384, (2026). <https://doi.org/10.1016/j.chemer.2025.126384>
2. **Chaurasia, C.**, Thakur, S.S., Patel, S.C., Samal, A.K., Kumar, S., Gour, N., (2024) Tectonic evolution of the Higher Himalayan Crystalline Sequence, Dhauliganga Valley, Garhwal Himalaya: Insights from P–T conditions of metamorphism and partial melting. *Journal of Asian Earth Science*, v. 265, 106108 (1–17), <https://doi.org/10.1016/j.jseaes.2024.106108>. (SCI, IF 2.7, Q1)
3. Badhe, K., Ozha, M.K., **Chaurasia, C.**, Ghosh, R., (2023) U–Th–Pb_{Total} monazite geochronology of the felsic volcanic rocks from the Hutti greenstone belt: Evidence of magmatic and hydrothermal events. *Geological Journal*, v. 59, pp. 1–12. <https://doi.org/10.1002/gj.4859> (SCI, IF 1.4, Q2).
4. Thakur, S.S., Patel, S.C., **Chaurasia, C.**, Gour, N., (2022) The Fate of Pyroxenes in Mafic Xenoliths from the Kinnaur Kailash Granite, Sutlej Valley, NW Himalaya: Effect of Retrograde Hydration and Insights on the Rare Occurrence of High-Grade Metamorphic Rocks in the Himalayan Orogen, *Journal of Petrology*, v. 63, pp. 1–17. DOI: [10.1093/petrology/egac099](https://doi.org/10.1093/petrology/egac099) (SCI, IF 3.5, Q1).
5. **Chaurasia, C.**, Madhavan, K., Thakur, S.S., Patel, S.C., Samal, A.K., Nema, S., Dixit, P.K. (2020) Occurrence and Stability of Allanite and Monazite in Greater Himalayan Sequence, Dhauliganga valley, Garhwal Himalaya. *Journal of Geological Society of India*, v. 96, issue 6, pp.557–564. doi: 10.1007/s12594-020-1602-1. (SCI, IF 1.3, Q3)