Curriculum vitae

Dr. Chinmaya Maharana

Assistant Professor

Address: Department of Environmental Sciences
210, Central University of Himachal Pradesh, Shahpur Campus Shahpur, Kangra (HP), India – 176206

Telephone: 7289927246
E-mail: chinmaya.maharana25@gmail.com
Citizenship India

Specialisation: Environmental Geochemistry, Biogeochemistry

Professional Qualifications

Ph.D, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi.
Thesis: Geochemistry of peninsular rivers of the Ganga basin.

M.Phil, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi.
Dissertation: Hydrogeochemistry of Son River.

M.Sc. in Environmental Sciences, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi.
Dissertation: Use of ICP-OES for geochemical analysis of river sediments.

B.Sc. in Chemistry (Hons), G.M.College, Sambalpur University, Odisha

Employment History

Feb 2023 onwards — **Assistant Professor**, Department of Environmental Sciences, Central University of Himachal Pradesh

2019 to 2022: **Dr DS Kothari Postdoctoral Fellow**
Dept of Earth Sciences, Pondicherry University, Puducherry

2017 to 2019: **DST SERB National Postdoctoral Fellow**
Inter-University Accelerator Centre, New Delhi

2016 to 2017: **Senior Research Fellow**
Water Technology Centre, IARI, New Delhi.

Personal Distinctions

- 2019: Awarded Dr DS Kothari Postdoctoral Fellowship by UGC.
- 2017: Awarded National Postdoctoral Fellowship by SERB-DST.
- 2017: Awarded Dr DS Kothari Postdoctoral Fellowship by UGC (declined).
- 2012: Qualified NET in Environmental Sciences conducted by UGC.
- 2009: Qualified CSIR-JRF in Earth, Atmospheric, Oceanic and Planetary sciences.
- 2007: Merit-cum-means scholarship, Jawaharlal Nehru University, New Delhi.
- 1997: National Rural Talent Scholarship, Board of Secondary Education, Odisha.

Teaching

Environmental Geochemistry, Soil Science, Water resources and Management, Ecology

Publications

1) Singh J, Kaushik S, **Maharana C**, Jhingan GD, Dhar DW. (2023) Elevated inorganic carbon and salinity enhances photosynthesis and ATP synthesis in picoalga Picocystis salinarum as revealed by label free quantitative proteomics. **Frontiers in Microbiology**. DOI 10.3389/fmicb.2023.1059199.

2) Singh J, **Maharana C**, Dhar DW. (2022) Alkalihalophilic alga Picocystis salinarium SLJ6 from Sambhar Salt Lake: Potential for bicarbonate-based biomass production and carbon capture. **Bioresource technology reports**, Vol 20.

3) Sharma S, Agnihotri R, Pokharia AK, Phartiyal B, Bajpai S, Pande PC, Manjul SK, Manzul A, **Maharana C**, Ojha SN. (2020) Environmental magnetic, Geochemical and Sulfur isotopic imprints of an Indus archaeological site 4MSR from western India (Rajasthan): Implications to the Indus industrial (metallurgical) activities. **Quaternary International**, 550:74-84. (ISSN 1040-6182).

4) Azam MdM, Kumari M, **Maharana C**, Singh AK., Tripathi JK. (2018) Recent insights into the dissolved and particulate fluxes from the Himalayan tributaries to the Ganga River. **Environmental Earth Science**, 77:313. (ISSN 1866-6299).

5) **Maharana C**, Srivastava D, Tripathi JK. (2018) Geochemistry of sediments of the Peninsular rivers of the Ganga basin and its implication to weathering, sedimentary processes and provenance. **Chemical Geology**, 483: 1–20. (ISSN 0009-2541).

6) Gautam SK**, Maharana C**, Sharma D, Singh AK, Tripathi JK, Singh SK. (2015) Evaluation of ground water quality in the Chhotanagpur Plateau region of the Subarnarekha River Basin, Jharkhand State, India. **Sustainability of Water quality and Ecology**, 6: 57-74. (ISSN 2212-6139).

7) **Maharana C**, Gautam SK, Singh AK, Tripathi JK. (2015) Major ion chemistry of the Son River, India: Weathering processes, dissolved fluxes and water quality assessment. **Journal of Earth system science**, 124: 1293-1309. (ISSN 2347-4327).

Book Chapters

Chinmaya Maharana and Jayant K. Tripathi (2018) The Son, A Vindhyan River. Springer Nature Singapore Pte Ltd. D.S. Singh (ed.), The Indian Rivers, Springer Hydrogeology,https://doi.org/10.1007/978-981-10-2984-4_15.(ISBN789811029844). (PG 191-197).