

RACHNA JHA

4th Nov 1992, Nepal

Permanent Address: Manara Siswa-4, Mahottari
Designation: Scientific Officer, Nepal Academy of
Science and Technology (NAST)
Mobile: 9860776200
E-mail: jharachna049@gmail.com

EDUCATION

Degree	University	Passed year
SLC	Nepal Government	2009
+2 (Science)	HSEB	2012
B.Sc (Environmental Science)	TU	2016
M.Sc (Environmental Science)	TU	2019

Elective subjects of masters' degree

- Urban environment,
- Disaster Risk Reduction,
- Pollution Control and Technology

WORK EXPERIENCES

- **Nepal Academy of Science and Technology (NAST)**
Scientific Officer Feb 2024 - Present
- **Environmental Services Nepal Pvt. Ltd. (ESN)**
Environmental Officer Sep 2022 – Jan 2024
- **International Water Management Institute (IWMI)**
Intern May 2021 – Oct 2021
- **Popular Environmental Service Pvt. Ltd. (PES)**
Environmental Officer Jun 2019 – Apr 2021
- **Department of Environment (DoE)**
Intern Jun 2018 – Aug 2018

RESEARCH (THESIS - UNPUBLISHED)

“Emission Estimation from Open burning of Municipal Solid Waste in Janakpurdham, Nepal”
(Supervisor – Prof. Rejina Maskey Byanju, PhD, Co-supervisor – Mr. Bhupendra Das), 2019
“Total carbon emission from public transport of Kathmandu Valley” (Supervisor – Mr. Binod Bhattarai), 2016

RESEARCH (PUBLISHED)

Manisha Ghimire, Naina Byanjankar, Tejendra Regmi, Rachna Jha, Dev Raj Joshi, and Tista Prasai Joshi. (2025). Hydro geochemical characterization of shallow and deep groundwater for

drinking and irrigation water quality index of Kathmandu Valley, Nepal. *Environmental Geochemistry and Health*, vol. 47. 61. <https://doi.org/10.1007/s10653-025-02372-5>

SKILLS

- Skilled in Flame Atomic Adsorption Spectrometry (FAAS) and Nano-Particle Analyzer operation
- Computer skills of MS-word, MS-excel and power point
- Intermediate knowledge on Geographical Information System (GIS) and R -software
- Prefer communicating with different people and do field work

Trainings

A month training on Photocatalyst based water Purification Technology, Cardiff University, Wales, UK (16 Sep – 15 Oct, 2024)

A week training on ISO/IEC 17025:2017 Training, Ministry of Science and Technology, Kathmandu (Dec. 2024)

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experiences.