

Binita Rimal

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EDUCATION

University of Georgia (UGA) PhD, Physical Geography, Department of Geography	Georgia, USA 2023- Present
Tribhuvan University (TU), Nepal MS, Environmental Science, Central Department of Environmental Science (CDES)	Kirtipur, Nepal 2021
Tri-Chandra Multiple Campus, Tribhuvan University B.S., Environmental Science, Tri-Chandra Multiple Campus	Kathmandu, Nepal 2017

RESEARCH EXPERIENCE

Department of Environmental Science Research Involved	Kirtipur, Nepal (2019-2021)
<ul style="list-style-type: none">• A glacier surface change in Lirung glacier using ArcGIS• A case study on Hospital Waste Assessment in Sukraraj Tropical and Infectious Diseases Hospital• Influence of Edge Contrast on Vegetation Assemblage at Khata Corridor, Bardiya, Nepal• Impact of Air Pollution on Human Health in Different Geographical Location in Nepal• Impacts of Upper Trishuli “3A” Hydropower Dam on Benthic Macroinvertebrates and Water Quality, Rasuwa, Nepal	

RESEARCH GRANT

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- Awarded research grant for M.S. thesis research by Higher Education Reform Project (HERP-DLI7B), Nepal, 2019

SELECTED PUBLICATIONS / PRESENTATIONS SCIENTIFIC PUBLICATIONS

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- Giri, J., Raut, S., **Rimal, B.**, Adhikari, R., Joshi, T. P., & Shah, G. (2023). Impact of air pollution on human health in different geographical locations of Nepal. *Environmental Research*, 115669. <https://doi.org/10.1016/j.envres.2023.115669>

TALKS AND PRESENTATION

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1. A case study on: Glacier surface change in Lirung glacier using ArcGIS. *GIS poster presentation, 2019 (Poster Presentation, CDES TU).*

2. Oral Presentation on Impacts of Upper Trishuli “3A” Hydropower Dam on Benthic Macroinvertebrates and Water Quality, Rasuwa, Nepal. *BIEA Graduate Conference, 4th and 5th November, 2021. (BIEA: Innovative Research in Africa)*

PROFESSIONAL AFFILIATIONS

FHI 360 (Consultant)

*Environmental Health and Health Care Waste Management Officer
Department of Health Service*

Kathmandu, Nepal
(April- Sept 2022)

- Forecasting on the COVID-19 vaccine related waste and to keep a record of the status of vaccine related waste management.
- Coordination and communication with other divisions, hospitals, health offices and health facilities for healthcare waste management
- Preparation of annual work plan and budget, implement and monitor the progress of the activities in the plan and to prepare reports of the activities carried out.
- Preparation of roadmap for water sanitation and hygiene (WASH) and HCWM
- Assist the government in the preparation of relevant standards and guidelines.
- Conduct training on the WASH and HCWM, and to monitor and review of HCWM status of various health facilities.
- Coordination with relevant stakeholders e.g. public entities (various ministries and the department) as well as development partners

Resource Himalaya Foundation

Editor

Kathmandu, Nepal
Summer 2020

- Prepared Abstract for Headline Himalaya Environmental Research Abstract
- Edited Journal papers

The Mountain Institute

Research Intern

Kathmandu, Nepal
Summer 2019

- Proposal Writing
- Data Handling
- Editing

Green Governance Nepal

Research Intern

Kathmandu, Nepal
(Sept 2017-Feb 2018)

- Knowledge Management
- Training on capacity building
- Organize conference, meetings and workshops
- Networking, sharing and collaborating with other relative organizations and partners.
- Documentation and publication program

OTHER EXPERIENCES

Kalpavaatika Society Nepal (*Founding leader*)

2021-Present

Rotaract Club of Kathmandu North (<i>Club service director, Treasurer</i>)	2016-2018
Green peace foundation Nepal (<i>Executive member</i>)	2014-2016

HONORS AND AWARDS

Award for excellent performance in School Leaving Certificate provided by Fluorescent higher secondary school	2011
Best mentorship award in GIS training organized by ICIMOD	2017
Award for 2 nd position in best poster presenter at Graduate Conference Kathmandu Nepal	2019
First position at photography competition organized by ECF Nepal	2019

TRAININGS AND WORKSHOPS

Empowering women in Geospatial Information Technology organized by ICIMOD	May 18-21, 2021
Youth Mock Parliament Training Program	June 11-12, 2017
Speed Mentoring Session of Women of the World (WOW) festival, Kathmandu	Feb 18, 2017
9 th District Leadership Training Seminar	June 18, 2016
Alternative Energy for Sustainable Development Training – Rotary Youth Leadership Awards	April 6-9, 2016
Training on Solid Waste management under Green Homes: Promoting Sustainable Housing in Nepal	Dec 18-20, 2015

SKILLS

Data Analysis	<p>R and STATA– data acquisition, cleaning, and uni- and multi- variate statistical analysis and visualization</p> <p>SPSS – data acquisition and perform analysis of variance, significance test and visualization</p> <p>ArcGIS – data acquisition, bathymetry, land use mapping, land use and land cover classification, overlay mapping.</p> <p>QGIS – data acquisition, map productions, demography, mapping census data</p>
Research	<p>Scientific Paper Writing Analytical tools, paper writing in LaTeX software, Air quality monitoring, vegetation sampling, survey, water quality monitoring, soil quality monitoring, assessment of ecotourism potential, health care waste management</p>