

## Bishwa Prakash Puri

Assistant Lecturer, College of Applied Sciences-Nepal, Kathmandu, Nepal

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I am passionate about continuous learning and committed to leveraging my expertise to foster sustainable human development. My extensive experience as an environmental consultant, including thesis and research paper development, report writing, and documentation, has honed my skills in technical and academic writing. Furthermore, my role as a lecturer in Environmental Modeling (Hydrology) at the College of Applied Sciences-Nepal has prepared me to take on more challenging endeavors in the field.

## RESEARCH INTERESTS

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Hydrological Modeling, Climate Modeling, Geospatial Analysis, Environmental Impact Assessment, Sustainable Development

## EDUCATION

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<b>Tribhuvan University</b> College of Applied Sciences-Nepal, Kathmandu, Nepal Master of Science in Environmental Science	2024
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<b>Tribhuvan University</b> Tri-Chandra Multiple Campus, Kathmandu, Nepal Bachelor of Science in Environmental Science	2019
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## ACADEMIC EXPERIENCE

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<b>College of Applied Sciences-Nepal</b> <i>Assistant Lecturer</i>	Kathmandu, Nepal March 2023 – Present
<ul style="list-style-type: none"><li>Teach Environmental Modeling to MSc 4th-semester students, focusing on hydrological modeling (HEC-HMS, HEC-RAS), climate modeling (SDSM), and geospatial analysis (ArcGIS).</li><li>Design and deliver lectures, lead hands-on practical sessions, and mentor students in applying modeling tools to environmental challenges.</li><li>Serve as a thesis co-supervisor, guiding research projects and ensuring academic and professional excellence.</li></ul>	

## PROFESSIONAL EXPERIENCE

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<b>Green Globe International Pvt. Ltd.</b> <i>Environmental Officer (Part-Time)</i>	Kathmandu, Nepal June 2021 – Present
<ul style="list-style-type: none"><li>Prepare EIA, IEE, and Monitoring Reports for hydropower projects.</li><li>Conduct fieldwork in mountainous regions and assess environmental impacts of hydroelectric projects.</li></ul>	

<b>Smart Connect Global Education Pvt. Ltd.</b> <i>Business Development Manager</i>	Kathmandu, Nepal January 2020 – Present
<ul style="list-style-type: none"><li>Drive growth through university partnerships, optimize operations, and expand market presence.</li><li>Lead marketing strategies, client relations, and team management to ensure revenue growth and service excellence.</li></ul>	

<b>Quest Forum</b> <i>Environmental Assistant</i>	Kathmandu, Nepal January 2019 – December 2020
<ul style="list-style-type: none"><li>Conducted site assessments, advised on regulatory compliance, and developed environmental impact mitigation strategies.</li><li>Communicated findings and recommendations to clients, stakeholders, and regulatory bodies.</li></ul>	

<b>Nepal Environmental and Scientific Services (NESS)</b> <i>MSDS Officer Intern</i>	Kathmandu, Nepal January 2018 – June 2018
<ul style="list-style-type: none"><li>Prepared laboratory consumables inventory and created material safety data sheets (MSDS).</li></ul>	

## RESEARCH AND FIELD EXPERIENCE

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- Conducted flood frequency analysis using Gumbel's Distribution Method and HEC-HMS, and developed river channel geometry for Balkhu River Basin using HEC-RAS.
- Simulated rainfall data using Statistical Downscaling Modelling (SDSM) during MSc coursework.
- Led a community-based solid waste management initiative in Lalitpur, Nepal.

## PUBLICATIONS

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### Journal Articles

- Puri, B. P., Adhikari, T. R., et al. *Spatial and Temporal Variations of Surface Air Temperature (1962–2022) across Physiographic Regions in the Koshi Basin, Nepal*. Published in SOHAM Journal.

### Thesis

- Temperature Trend Analysis Along with Paddy Production Trend and Their Impact on Paddy Cultivation in Koshi Basin, Nepal.

## SKILLS

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- **Programming:** Python, R
- **Software:** ArcGIS, HEC-HMS, HEC-RAS, SDSM, LaTeX, Markdown
- **Technical:** Field Surveys, EIA/IEE/BES, Report Writing, Stakeholder Consultations

## TRAINING AND CERTIFICATIONS

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- Geographic Information System (GIS) Certification – 1 Month (2020)
- Chemical Management and MSDS Certification – 2 Weeks (2022)
- Environmental Impact Assessment Certification – 3 Weeks (2020)

## REFERENCES

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### Dr. Bhupendra Devkota

*Professor, College of Applied Sciences-Nepal*

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### Dr. Tirtha Raj Adhikari

*Professor Emeritus, Tribhuvan University*

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### Surendra Dev Bhatta

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