

SHISHILA BANIYA

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EDUCATION

M.Sc (Environmental Science and Management) **2020Sep- 2023Oct**

School of Environmental Science and Management, Pokhara University,
Kathmandu, Nepal

Thesis title : “Risk zonation for wildlife mortality using maxent model: Study of Banke and Bardiya National Park”

BS (Environmental Science) **2013May -2017May**

Amrit Science Campus, Tribhuvan University, Kathmandu, Nepal

GRANTS

Master thesis grant, President Chure Terai- Madhesh Conservation Development Board, Nepal, 2023

Master thesis, grant, Integrated Landscape Management to Secure Nepal’s Protected Areas and Critical Corridors (ILaM), Nepal 2022

PUBLICATIONS

Paudel, P. K., **Baniya, S.**, Sharma, S., Bhandari, S., & Pokharel, M. (2023). **Half century in biodiversity and conservation research in Nepal: a review.** *Biodiversity and Conservation*, 1-26

Research presents an extensive analysis of research patterns, emerging trends, and critical gaps within the field, providing invaluable insights that can shape sustainable conservation strategies and guide evidence-based decision-making processes

Bajagain, S., Pokhrel, S., **Baniya, S.**, Pradhan, A., Paudel, S. and Joshi, I.D., 2020. **Avifaunal Diversity of Institute of Forestry Complex, Hetauda Metropolis, Nepal.** *Forestry: Journal of Institute of Forestry, Nepal*, 17, pp.83-101

The study aimed to assess the avifaunal diversity at the Institute of Forestry utilizing line transect and point count methods for data collection. The findings highlight the significance of the complex as a suitable habitat for birds, emphasizing its importance for conservation efforts and ecological management

PROFESSIONAL EXPERIENCES

Assistant Environmentalist

2019Feb-2020Jan

Swansgreen Environment Solution Pvt. Ltd

Projects:

- *Environmental Impact Assessment Report of Jurimba Khola Small Hydropower Project, 7.63MW*
- *Initial Environmental Examination Report of Dar Khola Small Hydropower Project, 4.64MW*
- *Updated Initial Environmental Examination (UIEE) Report of Balephi-A Khola Hydropower Project, 22.14MW*
- *Initial Environmental Examination Report of 132KV Transmission Line of Dordi Khola Hydropower Project*

Responsibilities: Prepare EIA/IEE report, coordinate field visit, conduct public hearing and assist company's management works

Research Assistant

2018Jan-2018Dec

Centre for Conservation Biology, Kathmandu Institute of Applied Sciences

Projects:

- *Wildlife Conservation Research Status of Nepal*
- *Assessment and Preparation of Action Plan for Wildlife Conservation and Management outside the Protected Areas of Nepal, Project support by World Wide Fund (WWF)*
- *Preparation of Human Elephant conflict mitigation Strategy, Nepal*

Responsibilities: Literature review, data extraction, data analysis, report writing

Research Intern

2017July-2018Jan

Centre for conservation biology, Kathmandu Institute of Applied Sciences

Responsibilities: Desk work, literature review, report writing

TRAINING and WORKSHOP

- *Pan-Asia-Africa Online Global Training: USING GIS TOOLS training organized by Centre for Science and Environment, Anil Agarwal Environment Training Institute (AAETI); 2021*

- Empowering women in Geospatial Information Technology (GIT) training organized by ICIMOD and Supported by USAID and NASA, 2019
- Workshop on Access to global online research in agricultural (AGORA) training organized by ICIMOD, 2018
- Training on R Programming for scientific data analysis, organized by Kathmandu Institute of Applied Sciences, 2017
- Training on Dendrochronology as a tool of understanding climate change

TECHNICAL CAPABILITIES

- ArcGIS, QGIS
- R
- Spatial modeling (landuse classification, NDVI)
- MaxEnt

REFERENCES

Mr. Ajay Mathema

Associate Professor

School of Environmental Science and Management

ajaymathema2@gmail.com

Cell- 977-9860671773

Dr. Krishna Pokharel

Research Scientist

Satvik Nepal

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Cell- 977-9866064597

Mr. Praveen Kumar Regmi,

Assistant professor

M.Sc.Env.Program Coordinator

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