



WORK EXPERIENCE

- Dec 5, 2024 - **Facilitator/R-Trainer** [Part Time] (*Global Research Institute and Training Center*)
Nepal
 - 18 hours of RStudio Training on various topics.
- Aug, 2024- **Forest Officer** (Green Mithila Environment Conservation Pvt. Ltd.)
Sarlahi, Nepal
 - Forest Inventory and Mapping | Forest Management Plan Preparation.
- May 21, 2024- **Enumerator for Climate Migration Project** (*SouthAsia Institute of Advanced Studies*)
Jun 21, 2024 Lamjung, Nepal
 - Field Enumeration (Social Survey)
- Feb, 2024 – **Research Assistant** (*Society for Conservation Biology (SCB)-Nepal*)
Apr, 2024 Kathmandu, Nepal
 - Performed Bayesian Modeling.



EDUCATION

- 2018 – 2023 **Bachelor of Science in Forestry** (*Tribhuvan University, Institute of Forestry (IOF)*)
79.11% | Distinction Division
Thesis: *Contribution of Ecotourism in Local Livelihood and Role of People in Protected Area Management in Pre COVID-19, During COVID-19 and Post COVID-19 Phase.*



SKILLS

ArcGIS | QGIS | Google Earth Engine | MS Office |
RStudio | HTML | CSS | Frequentist Analysis | Bayesian
Modeling | Machine Learning | ARIMA modeling



LANGUAGE

Nepali: Native
English: Proficient



PUBLICATIONS

- Under preparation **How Will the climate change shift the Distribution of Seven Woody Bamboo Species in Nepal? Evidences from Ensemble Species Distribution Modeling**
Pokhrel, S., Paudel, N., Neupane, P., Dhakal, M.
To be submitted to *Ecology and Evolution*
- Under preparation **Land Cover and Land Use Change Detection in Protected areas of Nepal: An Insight from Thirty Years**
Pokhrel, S., Paudel, S
- In reviewing **How Do Plant Communities Interact in an Urban Forest of Nepal Terai? An analysis of Phytosociology, Population Dynamics, and Seasonal Variation.**
Pokhrel, S., Oli, K., Regmi, S.
Banko Janakari
- In reviewing **Documenting 100 Medicinal Plants Used by the Tharu Community from the Terai of Nepal: Ethnomedicinal Practices, Ayurvedic Uses and Phytochemical Characteristics**
Tharu, Y., Pokhrel, S., Ojha, P.
Banko Janakari
- 2023 **Diversity and Distribution of 100 Plant Species of a Community Managed Forest from the Mid- Hills of Nepal: A Phytosociological Approach**
Pokhrel, S.
Forestry: Journal of Institute of Forestry, 20(1), 79-94. doi: [10.3126/forestry.v20i1.64339](https://doi.org/10.3126/forestry.v20i1.64339)



RESEARCH PROJECTS

- Ongoing **Impact of Linear Infrastructure in Biodiversity**
Nepal
- Data is being collected.



RESEARCH EXPERIENCE

LEAD RESEARCHER

- Dec, 2023-
April, 2024 **Deforestation Modeling Using Machine Learning**
Dang and Kapilvastu, Nepal
- Developed deforestation susceptibility map using the Random Forest Model.

ASSISTANT RESEARCHER

- Feb, 2024 –
May, 2024 **COVID-19 Impacts on Forest and Biodiversity Conservation in Nepal**
Nepal
- Data analysis by Bayesian Model using `brms` package in R.
- Apr, 2023 –
Jun, 2023 **Carbon Stock Comparison between Broadleaved and Coniferous Forest**
Surkhet, Nepal
- Carbon Stock compared by field-based inventories.
- May, 2023 **Impact of Single Occurrence Forest Fire on Tree Regeneration and Diversity**
Surkhet, Nepal
- Burnt area mapped using Google Earth Engine and field data collected afterwards.



TRAININGS AND WORKSHOPS

- Sep 20-22,
2024 **TRAINER - RStudio**
Nepal
- Delivered a six-hour training session to foresters, focusing on data wrangling, raster and shapefile analysis, statistical tests, and data visualization.



GRANTS AND SCHOLARSHIPS

- Feb 2, 2023 **Study Grant for Students** (*Integrated Landscape Management to Secure Nepal's Protected Areas and Critical Corridors (ILaM) Project*)
- Funded by WWF-GEF Agency to develop the thesis report for BS in Forestry.
- Oct 13,
2018 **Full Scholarship for Studying BS in Forestry** (*Institute of Forestry, Hetauda Campus*)
- Merit based scholarship after a competitive entrance examination.



POSTER PRESENTATION AND CONFERENCE

- March 4-5,
2024 **Human Wildlife Conflict: How do Communities Respond to the Crisis** (POSTER)
(*International conference on Revitalizing Community Forestry in the Era of Socio-Environmental Crisis*)
Kathmandu, Nepal
- June 27-30,
2024 **National Conservation Forum** (CONFERENCE)
(Slogan: Restoring ecosystems through Nature Based Solutions)
Kathmandu, Nepal



DRIVING LICENSE

Category A (Motorcycle); **Category B** (Car, Jeep – Manual Transmission)