SUSHANK POKHREL

 Pyuthan, Nepal — sushank771@gmail.com — sushank-pokhrel/ — sushank.com.np

GIS — **REMOTE SENSING** — **ECOLOGY** — **ECOLOGICAL MODELING** — **BIOMETRICS**

WORK EXPERIENCE

May 21, 2024 - Jun 21, 2024	**Enumerator for Climate Migration Project** (***SouthAsia Institute of Advanced Studies***) Lamjung, Nepal • Field Survey and Enumeration
Feb, 2024 – Apr, 2024	**Research Assistant** (***Society for Conservation Biology-Nepal***) Kathmandu, Nepal • Learnt Bayesian Modeling.

RESEARCH EXPERIENCE

LEAD RESEARCHER

Dec, 2023 – April, 2024	**Deforestation Modeling Using Machine Learning** Dang and Kapilvastu, Nepal • Modeling by 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.

RESEARCH PROJECTS

Ongoing	**Species Distribution Modeling of Seven Different Bamboo Species** Nepal • MaxEnt modeling using "dismo" and ensemble modeling using "sdm" package in R.
Ongoing	**Impact of Linear Infrastructure in Biodiversity** Nepal • Data is being collected.
Ongoing	**Land Cover and Land Use Change Detection in Protected Areas** Nepal • The manuscript is under preparation

LANGUAGE

Nepali: Native
English: Proficient
       (IELTS Band Score: 7.5)

SKILLS

ArcGIS | QGIS | Google Earth Engine | MS Office
Python | Java | R
Frequentist Analysis | Bayesian Modeling

EDUCATION

2018 – 2023	**Bachelor of Science in Forestry** (*Tribhuvan University, Institute of Forestry*)
	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.*

PUBLICATIONS

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
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.
	Banako Janakari
In reviewing	**Plant community status at IOF Complex, an urban forest amidst a sub-metropolitan city of Nepal**
	Pokhrel, S., Oli, K., Regmi, S.
	Banako Janakari

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 to by WWF-GEF Agency 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

REFERENCES

Prakash K Paudel (*Society for Conservation Biology-Nepal*)
prakash.paudel@conbio.org.np
+977 9849484530

Pradeep Baral (*Institute of Forestry, Hetauda Campus*)
pradip.baral@hc.tu.edu.np
+977 9864999955

Yogendra Yadav (*Institute of Forestry, Hetauda Campus*)
yogendra.yadav@hc.tu.edu.np
+977 9844162679