SUSHANK POKHREL

📍 Pyuthan, Nepal   ✉️ sushank771@gmail.com   in /in/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 Enumeration (Social Survey)

Feb, 2024 – Apr, 2024
Research Assistant (*Society for Conservation Biology (SCB)-Nepal*)
Kathmandu, Nepal
- Learnt 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.*

🔍 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.

🧊 SKILLS

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

🚩 LANGUAGE

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

PUBLICATIONS

Under preparation	**Habitat Suitability Modeling of Seven Bamboo Species of Nepal in Present and Future Climatic Scenario Using an Ensemble Modeling Approach** 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

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)