

# Prakash Lamichhane

RESEARCH OFFICER

Forest Research and Training Center

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## About me

- I am deeply committed to the cause of environmental conservation and the sustainable management of our forests.
- Strong presentation and writing skills, along with proficiency in data science.
- Capable to excel in complex and dynamic research environments.
- Awarded by prestigious DAAD Scholarship for Masters Degree in Germany.

## Education

### University of Greifswald

MASTER OF SCIENCE IN LANDSCAPE ECOLOGY AND NATURE CONSERVATION

Greifswald, Germany

2017-2019

### Tribhuwan University

B.SC. FORESTRY

IOF, Hetauda, Nepal

2013

### Tribhuwan University

I.SC. FORESTRY

IOF, Hetauda, Nepal

2009

## Work Experience

### 1. STUDENT TUTOR, FOREST RESEARCH AND TRAINING CENTER, 2019

#### Major Responsibilities

Under Forest Inventory and Carbon Mapping Section in my Organization I have engaged in following tasks:

- Design and conduct the forest resource inventory in Permanent Sample Plots throughout the country
- Data analysis and reporting
- Calculation of emission factor for REDD+ program.
- Collection of both qualitative and quantitative information using local resource persons

#### Project highlights

- Forest Resource Assessment and reporting for all physiographic zones of Nepal.
- Completed Bamboo Resource assessment outside forest area of Nepal.
- Emission Reduction report (MRV)

### 2. RESEARCH OFFICER, FOREST RESEARCH AND TRAINING CENTER, 2015 TO CURRENT

#### Major Responsibilities

Under Forest Inventory and Carbon Mapping Section in my Organization I have engaged in following tasks:

- Design and conduct the forest resource inventory in Permanent Sample Plots throughout the country
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#### Project highlights

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- Emission Reduction report (MRV)

### 3. FOREST RANGER, DEPARTMENT OF FOREST AND SOIL CONSERVATION, 2013 TO 2015

#### Major Responsibilities

Working at Divisional Forest Office, Baitadi, (remotely located area), I was responsible in following tasks:

- Assisting community forest user groups in developing and implementing forest management plans.
- Implementing national policy and legislation in order to fulfill the demand and supply of forest products.
- Preparing livelihood plans for leasehold forestry program designed for people under poverty line.
- Conducting several social surveys for collection quantitative and qualitative information on effect of overall forest management activities.

### **Project highlights**

- Governance and situation analysis of a agriculture cooperatives using spiderweb tool and SWOT analysis method in Baitadi district.

## **Skills and Strengths**

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- Basic Office Package (MS-Word, MS-Excel, POWERPOINT, MS-POWERBI)
- GIS Tools (QGIS, ARCGIS, Google Earth Engine etc.)
- Extensive expertise in ecological modeling, including a track record of successfully supervising interns in this field.
- A robust foundation in data science, underpinned by the completion of 135 hours of professional training in Data Science with Python.
- Proficiency in R-programming, demonstrated through practical experience as a data analyst at the Forest Research and Training Center.
- Exceptional written and presentation skills in English, as evidenced by the successful presentation of research work at various international workshops. -Adaptable and capable of thriving in diverse working environments, with a proven ability to excel in both remote and urban settings.
- Good foundation on writing reports in markdown (both in Python and R programming using LATEX)

## **Major Trainings**

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### **DATA SCIENCE WITH PYTHON**

Dated from 12th May to 13th August 2023 by Broadways Infosys

### **ON THE JOB TRAINING ON FOREST CARBON STOCK MEASUREMENT USING EARTH OBSERVATION DATA**

Dated from 10th October 2022 to 11th November 2022 Organised by A International Center For Integrated Mountain Development (ICIMOD) SERVIR-HKH initiative

### **DEVELOPMENT OF NATIONAL LAND COVER MONITORING SYSTEM FOR NEPAL**

Dated from 22nd August 2022 to 26th August 2022 by International Center For Integrated Mountain Development (ICIMOD) SERVIR-HKH initiative

### **TRAINING ON UNBIASED AREA ESTIMATION AND UNCERTAINTY ESTIMATION FOR FOREST**

Dated from 23rd May 2022 to 27th May 2022 by USAID, SilVACarbon DEGRADATION IN NEPAL

**(In addition to that I have conducted a successful training on data science with python and active in R-programming as a Trainer)**

## **Workshop and Seminar**

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### **CROSS COUNTRY KNOWLEDGE EXCHANGE ON REDD PLUS PROGRAM IN CAMBODIA**

(12/06/2022 – 19/06/2022 – Phnom Penn, Siem Reip and Koh Kong province of Cambodia)

### **SOUTH-SOUTH KNOWLEDGE EXCHANGE ON MEASUREMENT, MONITORING, REPORTING AND VERIFICATION SYSTEMS, FCPF CF ERPA IMPLEMENTATION AND CARBON MARKETS**

(12/12/2022 – 18/12/2022 – Maputo, Mozambique)

## Publications

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1. Subedi, B., Lamichhane, P., Magar, L. K., & Subedi, T. (2022). Aboveground carbon stocks and sequestration rates of forests under different management regimes in Churia region of Nepal. *Banko Janakari*, 32(1), 15–24. <https://doi.org/10.3126/banko.v32i1.45442>
2. Parajuli, A., Gautam, A. P., Sharma, S., Lamichhane, P., Sharma, G., Bist, B. S., Aryal, U., & Basnet, R. (2022). A Strategy for involving community forest managers in effective forest fire management in Nepal. *Banko Janakari*, 32(1), 41–51. <https://doi.org/10.3126/banko.v32i1.45476>
3. Gautam, G. P., Aryal, R. R., & Lamichhane, P. (2018). Restoration of degraded land through Moso bamboo (*Phyllostachys pubescens*) plantation in the Mid-hills of Nepal. *Banko Janakari*, 27(3), 150–153. <https://doi.org/10.3126/banko.v27i3.20560>
4. Aryal, S., Paudel, P., Bolakhe, S., Mahatara, D. and Lamichane, P., 2022. Evaluation of error and efficiency on tree height measurement using Abney's level, Rangefinder and Vertex IV. *Indian Journal of Forestry*, 45(1), pp.1-8. <https://doi.org/10.54207/bsmps1000-2022-49P4F8>

## References

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