Prakash **Lamichhane**

RESEARCH OFFICER

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About me

- I am deeply committed to the research areas around 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 | *Greifswald, Germany*
MASTER OF SCIENCE IN LANDSCAPE ECOLOGY AND NATURE CONSERVATION | *2017-2019*

Tribhuwan University | *IOF, Hetauda, Nepal*
B.SC. FORESTRY | *2013*

Tribhuwan University | *IOF, Hetauda, Nepal*
I.SC. FORESTRY | *2009*

Work Experiance

1. **RESEARCH OFFICER, CLIMATE CHANGE AND MANAGEMENT DIVISION, MINISTRY OF FOREST AND ENVIRONMENT, NOVEMBER 2023 TO PRESENT**

Major Responsibilities

I am dedicated to the Carbon Emission Calculation Section

- Reviewing the national circumstances for climate change reporting.
- Attending national and international seminar and workshops related to Carbon trade and climate change.
- Reviewing the GHG inventory reports and update National Biennial Update reports

2. **STUDENT TUTOR, UNIVERSITY OF GREIFSWALD, 2019**

Major Responsibilities

During a semester of student tutorship, I was dedicated to:

- Facilitating the masters students on a lecture material on Nature Resource Economics provided by Professor Volker Beckmann.
- Solving the problems related to the chapters.
- Discussing the past trend of examination paper and try to share the experience on solving them

3. **RESEARCH OFFICER, FOREST RESEARCH AND TRAINING CENTER, 2015 TO 2023 OCTOBER**

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)

4. **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

- 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

As a Trainer

One week training on Python Programming

Dated from 14th August to 21th August organized by Forest Research and Training Center.

Data analysis and Forest Mapping

Dated from 26th September to 5th October 2023 by Forest Research and Training Center.

Regular MS Excel and R programming trainer in Broadways Infosys since 2022.

As a Trainee

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

Workshop and Seminar

- Cross Country knowledge Exchange on REDD plus program in Cambodia dated from 12/06/2022 to 19/06/2022 Phnom Penn, Siem Reip and Koh Kong province of Cambodia (ORAL PRESENTATION)

- South-South Knowledge Exchange on Measurement, Monitoring, Reporting and Verification systems, FCPF CF ERPA Implementation and Carbon Markets dated from 12/12/2022 to 18/12/2022 in Maputo,Mozambique (Presenter)

Research Experiance

- Preparation of National Landcover monitoring System (NLCMS) using RandomForestClassifier.

- FRTC,2020, A study of Opportunities and Constraints for Development of Private forestry Model in Mid Hill Region of Nepal (A case study from Kavre and Kaski district of Nepal), Forest Research and Training Centre (FRTC), Babarmahal, Kathmandu, Nepal `https://frtc.gov.np/uploads/files/Private%20forest% 20Model(1).pdf`**(Unpublished)**

- Preparation of Regional and National Forest Resource assessment(Involvement in field data collection, data analysis and report writing).

- Involvement in generating activity data and emission factors for national emission reduction report for MRV purpose in cordination with FCPF and Worldbank.

Publications

1. Aryal, S., Paudel, P., Bolakhe, S., Mahatara, D., & 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), 1–8. `https://doi.org/10.54207/ bsmps1000-2022-49P4F8`

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. 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`

4. 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*, 150–153. `https://doi.org/10.3126/banko.v27i3.20560`

References

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