



## WANGDI

**Senior Forestry Officer | Biodiversity, Climate & Forest Governance**

NWFP Section, Forest Resources Planning & Management Division

Department of Forests & Park Services, Royal Government of Bhutan

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### PROFESSIONAL SUMMARY

Public-sector forestry, biodiversity, and environmental management professional with 5+ years of progressive experience in Bhutan's forest governance system. Currently serving as Senior Forestry Officer in the NWFP Section, Forest Resources Planning & Management Division, following a merit-based promotion within the first four years of service. Recipient of three consecutive Outstanding performance ratings. Expertise spans biodiversity conservation, climate-responsive forest management, NWFP governance, GIS and remote sensing, ecological research, and policy-linked environmental planning. Proven record of managing multimillion-ngultrum conservation programs, leading technical planning documents, and supporting evidence-based forest and biodiversity management.

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### KEY ACHIEVEMENTS

- *Promoted on merit to Senior Forestry Officer effective 1 January 2026*
  - *Currently serving in the NWFP Section, Forest Resources Planning & Management Division from March 2026*
  - *Managed conservation programs and budgets exceeding Nu. 35 million*
  - *Served as focal officer for the IKI Living Landscape Project and supported Bhutan for Life implementation in Sarpang*
  - *Established camera trap monitoring across Royal Manas National Park, Phibsoo Wildlife Sanctuary, and Biological Corridor 03, documenting 100+ species*
  - *Led development of the Climate Change Vulnerability and Capacity Assessment and Conflict-to-Coexistence Strategy for Sarpang Forest Division*
  - *Applied GIS, remote sensing, and species distribution modeling to biodiversity planning and conservation decision-making*
  - *Published peer-reviewed research in biodiversity and climate-related conservation topics*
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### PROFESSIONAL EXPERIENCE

**Senior Forestry Officer**

**NWFP Section, Forest Resources Planning & Management Division**

Department of Forests & Park Services

**March 2026 – Present**

- *Administer national-level **non-wood forest product (NWFP)** allocation processes to support equitable distribution and regulatory compliance*

- *Review and process NWFP utilization permits, quotas, and royalty-related documentation under the forest governance framework*
- *Monitor harvesting trends and utilization patterns to support sustainable off-take and improved resource oversight*
- *Contribute to NWFP management plans, harvesting guidelines, and national forestry policy processes*
- *Support resource assessments and inventories of commercially and ecologically important NWFPs*
- *Provide technical inputs to forestry planning documents, annual reports, and cross-agency coordination processes*
- *Liaise with divisional offices and relevant stakeholders on implementation, reporting, and field-level management issues*
- *Support community-based NWFP management approaches linking local livelihoods with sustainable forest stewardship*
- *Provide technical guidance to field officers on NWFP identification, data collection, and compliance monitoring*

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**Forestry / Biodiversity Officer**

**Head, Nature Conservation Section, Divisional Forest Office, Sarpang**

Department of Forests & Park Services

**January 2022 – February 2026**

*Promoted on merit by the Royal Civil Service Commission effective 1 January 2026 in recognition of strong performance and nationally significant conservation contributions.*

- *Served as focal officer for the IKI Living Landscape Project, coordinating divisional conservation activities and implementation*
- *Supported delivery of Bhutan for Life conservation interventions, including biodiversity monitoring and field coordination*
- *Managed annual conservation budgets exceeding Nu. 35 million*
- *Established and maintained a camera trap monitoring network across Royal Manas National Park, Phibsoo Wildlife Sanctuary, and Biological Corridor 03, documenting 100+ species*
- *Conducted biodiversity assessments across multiple forest ecosystems and elevational gradients*
- *Led preparation of a Conflict-to-Coexistence Strategy to support human-elephant conflict mitigation in Sarpang*
- *Applied GIS, remote sensing, and species distribution modeling to support corridor planning, habitat assessment, and conservation decisions*
- *Developed the Conservation Management Plan for Biological Corridor 03*
- *Prepared the Divisional Forest Office Management Plan for Sarpang Forest Division*

- *Led the Climate Change Vulnerability and Capacity Assessment for Sarpang Forest Division*
  - *Contributed to the Environmental and Social Safeguards Management Plan*
  - *Authored the Biodiversity Status Report for Sarpang Forest Division*
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## **EDUCATION**

### **Bachelor of Science (Honours) in Forestry – First Class**

College of Natural Resources, Royal University of Bhutan

**July 2017 – June 2021 | Overall Grade: 79%**

## **SELECTED PUBLICATIONS**

- Wangdi, et al. (2021). *Analysis of Physical and Chemical Properties of Natural Salt Licks and Determination of Animal Presence*. Journal of Renewable Natural Resources Bhutan.
- Wangdi, et al. (2021). *Diversity of Aquatic Beetles along Altitudinal Gradients and Water Quality Parameters*. Journal of Renewable Natural Resources Bhutan.

## **MANUSCRIPTS IN PREPARATION / UNDER REVIEW**

- *Species Distribution and Connectivity Modeling of Asian Elephants (*Elephas maximus*) under Environmental and Anthropogenic Pressures in Bhutan*
  - *Vegetation Community Composition and Species–Environment Relationships Along an Elevational Gradient in South-Central Bhutan.*
  - *Ecosystem Integrity in Bhutan's Protected Area Network: A Spatial Assessment Using the Ecosystem Integrity Index*
  - *Tiger Occupancy and Large Ungulate Distribution Along a Human Pressure Gradient in South-Central Bhutan: A Hierarchical Detection-Occupancy Approach.*
  - *Spatiotemporal Risk Partitioning Among Tigers, Prey, and Human Activity in South-Central Bhutan*
  - *Community Assembly and Environmental Filtering Along a Disturbance–Climate Gradient in a Himalayan Tiger Landscape.*
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## **TECHNICAL SKILLS**

**Geospatial & Remote Sensing:** QGIS, ArcGIS, Google Earth Engine, Python (GeoPandas & ArcPy).

**Data Analysis & Modeling:** R, Python, SPSS, Machine Learning, Multivariate Analysis

**Ecological Tools:** Species Distribution Modeling, Camera Trap Data Analysis, Occupancy Modeling, Forest Inventory, Environmental Monitoring, Acoustic Monitoring, AI Species Identification

**Professional Strengths:** Project Management, Budget Administration, Team Leadership, Stakeholder Engagement, Scientific Writing, Grant Writing, Environmental Impact Assessment, Conservation Planning, Climate Adaptation

## **PROFESSIONAL DEVELOPMENT & CERTIFICATIONS**

**Conservation & Climate Change:** *Advanced training with ICIMOD, UNDP, and IUCN on climate adaptation, ecosystem restoration, collaborative conservation planning, and IUCN Red List assessment.*

**Remote Sensing & GIS:** *NASA ARSET and EO College certifications in satellite remote sensing, spatial planning, and environmental monitoring.*

**Data Science:** *Training in R, Python, QGIS, Google Earth Engine, machine learning, and applied statistical modeling*

**Specialized Training:** *Species distribution modeling, camera trap analysis, drone operations for emergency response, ESG principles, production cost estimation, Google Workspace administration*

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## **HONOURS & AWARDS**

- *Meritorious Promotion, Royal Civil Service Commission — Effective 1 January 2026*
- *Outstanding Performance Rating (OS) — Three consecutive financial years (FY 2022–2025)*
- *SAF–Madanjeet Singh Scholarship Recipient — Merit-based full scholarship (2017–2021)*

## **PROFESSIONAL AFFILIATIONS**

- *Royal Civil Service Commission (RCSC)*
  - *Conservation Practitioner, Bhutan for Life Program*
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## **REFERENCES**

### **Dr. Bhagat Suberi**

Lecturer, College of Natural Resources

Royal University of Bhutan

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### **Mr. Sangay Dorjee**

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