

Celeus Baral

Environment Science

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in celeus-baral-49409626b

Professional Summary

I am an Environmental Science graduate with a keen focus on conservation biology and pollination ecology. My academic and field interests lie particularly in understanding the intricate relationships between native pollinators; especially Lepidoptera and Hymenoptera, and their interactions within dynamic ecosystems. I am deeply passionate about exploring how these vital insect groups respond to the presence of invasive and alien species, and how such ecological pressures influence biodiversity, plant-pollinator networks, and ecosystem resilience. With a commitment to evidence-based conservation, I strive to contribute to research and practices that protect native biodiversity and promote ecological harmony in rapidly changing landscapes.

Education

Bachelors of Science in Environment Science

2021-2024

University of Northampton

- Relevant Coursework: biogeography, ecology, air and water, waste management, biodiversity conservation, habitat and restoration ecology, sustainable development and land use

A-levels

2018-2020

Malpi Institute, Kathmandu

- Relevant Coursework: biology, chemistry, statistics and calculus

Skills

Geospatial: QGIS, habitat mapping, risk assessment

Writing: Scientific reports, documentation

Data & Stats: R, Excel, Microsoft packages, visualization

Collaboration: Teamwork, leadership,

Climate: Impact modeling, risk assessment

Laboratory

Experiences

Field and Research Internship

05/ 2025- Present

Red Panda Network

Baluwatar, Kathmandu

Led multi-faceted biodiversity research in Eastern Nepal, developing the first comprehensive Lepidoptera checklist across three districts, conducting moth diversity surveys, training local communities in citizen science, managing wildlife camera trap data, and contributing Lepidoptera insights to Red Panda Network's multi-species conservation strategies

Disaster Risk Reduction and Climate Change Intern

12/ 2023- 02/ 2024

NAXA

Baluwatar, Kathmandu

Conducted comprehensive data quality analyses for GSMA and DASTA initiatives in Nepal, integrating qualitative and quantitative research on climate change-related disaster risk management, enhancing data accuracy for anticipatory action, and contributing GIS-based insights to strengthen climate resilience and disaster preparedness

Research Assistant Intern

04/ 2023-10/ 2023

Kathmandu Institute of Applied Sciences (KIAS)

Bagdol, Lalitpur

Performed extensive laboratory-based water and vegetable quality assessments across five provinces in Nepal using an innovative smartphone microscope technique, successfully detecting diarrheal cysts and delivering critical findings that advanced an ongoing KIAS-led research project.

Other Notable Experiences

Co-founder and Documentation Head

NAMI Eco Club

05/2022 - 10/2023

Baneshwor, Kathmandu

Co-founded and spearheaded documentation for the NAMI Eco Club, capturing key events, from panel discussions to fundraising and awareness programs, while fostering collaboration, driving team engagement, and advancing environmental advocacy and sustainability initiatives on campus

Volunteer

Autism Care Nepal Society

11/2022- 01/2023

Harisiddhi, Lalitpur

Supported vocational training, market promotion, and inclusive care initiatives for individuals with autism, while fostering skill development, independence, and a safe, engaging learning environment

Volunteer

05/2025-06/2025

Nicholas School of Environment, Duke University; IHRR; ICIMOD and Himalayan University Secretariat

contributed to an interdisciplinary field lab from Lumbini (150masl) to Lomanthang (3500masl), investigating global change impacts on ecosystems and human health while advancing community engagement, leadership, and sustainable resilience

Publications

Research Paper

08/13/2025

Lepidoptera diversity, richness, and distribution in semi-urban farmland and other habitats around Lumbini, Rupandehi <https://doi.org/10.1101/2025.01.26.634957>

Certifications and Awards

First Class Honors

Bachelor of Science in Environmental Science, University of Northampton.

Quantitative Ecology and Lichens Taxonomy

Kathmandu University in collaboration with the Natural History Museum, UK.

Digital Champion Award in Risk Mapping and Spatial Technologies

NAXA

Youth Speak Forum

AISEC Nepal

Nature-Based Solutions for Disaster and Climate Resilience

Partnership for Environment and Disaster Risk Reduction (PEDRR), United Nations Environment Programme (UNEP), European Union (EU) and SDG Academy

Hobbies

Baking, Wildlife photography, Butterfly survey, Gardening, Reading, Insect survey

Languages spoken

English [Fluent]

Nepali [Native]

Hindi [Fluent]

References

Dr. Basant Giri (Ph.D.)

Director of International Relations
Senior Scientist, KIAS
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Sonam Tashi Lama

Program Manager, Red Panda Network
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