Name: Madhavi Parajuli
Profession: Assistant Professor
Unit: Department of Watershed Management and Environmental Science, Hetauda Campus, Institute of Forestry (IOF), Tribhuvan University (TU), Nepal
Contact Information:

- Email: madhaviparajulinpsoil@gmail.com / madhavi.parajuli@hc.tu.edu.np
- Mobile/ WhatsApp/Viber: +9779860691262

Research Identifiers:

- ORCID ID: https://orcid.org/0000-0002-6648-412X
- Google Scholar: https://scholar.google.com/citations?user=u9ebq-AAAAAJ&hl=en
- Research Gate: https://www.researchgate.net/profile/Madhavi-Parajuli
- Academia: https://independent.academia.edu/MadhaviParajuli
- LinkedIn ID: https://www.linkedin.com/in/madhavi-parajuli-b9223b166/

Work Experience:

- **Assistant Professor (2021/03/17 onwards)**

  Institute of Forestry (IOF), Hetauda Campus**,** Department of Watershed Management and Environmental Science, TU
- **Lecturer (Course Contract) (2016/05/02 – 2020)**

  Institute of Agriculture and Animal Science (IAAS), Institute of Forestry (IOF), Agriculture and Forestry University (AFU)

Academic Qualifications:

- Master Degree: Agriculture- Conservation Ecology, Rampur Campus, Chitwan, Institute of Agriculture and Animal Science (IAAS), Tribhuvan University [2016]
- Master Degree: Physical Land Resources – Soil Science, Ghent University, Faculty of Bioscience Engineering, Ghent, Belgium [2015]
- Bachelor Degree: Agriculture, Rampur Campus, Chitwan, IAAS, Tribhuvan University [2010]

Research Interest/Expertise:

- Soil Science; Soil Organic Carbon; Biodiversity; Climate Change

Teaching:

- Geology and Soil Science (BF), Soil and Water Conservation Engineering (BF), Integrated Watershed Management (MF), Water-Energy-Food-Ecosystem Nexus (MF)

Key Awards/Honors /Scholarships/Recognitions:

1. Summer School on Agrobiodiversity and the transition to agroecological food systems, Central Germany (Kassel, Eschwege

and Halle), organized and supported by zhaw and FiBL, 17– 27 August, 2025 (ECTS: 6).

2. Workshop on GIScience Assessing Feasibility of Agricultural Diversification in the Himalayas, Kathmandu, Nepal, 27 to 31 August, 2017.
3. 2nd Training School "Semi-Arid Land Management for Crop Production and Restoration in man-made Soils" held at the Mediterranean Agronomic Institute of Bari in Valenzano, Italy, 18-25th September 2013.
4. UGhent Scholarship (2012-2014) during the study period of Masters in Physical Land Resources 'Soil Science' in Ghent University, Ghent, Belgium.
5. A full tuition waiver "Freeship" during the study period of B.Sc. Agriculture (2006-2010), IAAS, Rampur, Chitwan, Nepal.

Professional Affiliations:

- Member: International Association for Promoting Geoethics (IAPG) (Since 2025)
- Member: German Soil Science Society (DBG) (Since 2025)
- Executive Member: Organization of Women Scientists in Nepal (OWSN), OWSD Nepal Chapter (2023)
- Life Member: OWSD Nepal Chapter (Since 2020)
- Life Member: Organization for Women in Science for the Developing World (OWSD) (since 2017)
- Life Member: Nepalese Soil Science Society (Since 2016)

Selected Recent Publications:

1. Pandey, P., **Parajuli, M**., K.C., A., & Bhattarai, A. (2023). Effect of various Bamboo plant species on soil properties in Pani Kholsi micro watershed, Nepal. Journal of Institute of Forestry, Nepal, 20, 36-48. https://doi.org/10.3126/forestry.v20il.64275

2. Atreya, K., Gartaula, H., **Parajuli, M**. & Kattel, K. (2022). Gender analysis of household seed security: A case of maize and wheat seed systems in Nepal. CDMX, Mexico: CIMMYT https://repository.cimmyt.org/bitstream/handle/10883/22072/65309.pdf?sequence=1&isAllowed=y

3. Pokharel, S., Bhattarai, S., Adhikari, R., Jha, S., Pokhrel, A., & **Parajuli, M**. (2022). Existing agroforestry practices and their contribution to the socio-economic condition of the people of west Nawalparasi, Nepal: A case study. Archives of Agriculture and Environmental Science, 7(1), 132-141. https://doi.org/10.26832/24566632.2022.0701019

4. **Parajuli, M.**, Pant, K.K., & Adhikari, R. (2022). Agricultural Biodiversity and its Contribution to Food Security: A Case Study in Tharu Community,

Chitwan, Nepal. *North American Academic Research, 5(2)*, 236-245. doi: https://doi.org/10.5281/zenodo.6332018

5. Lohanee, B.D., Regmi, N., & **Parajuli, M.** 2017. Water management practices for rice production in Nepal. Rice Science and Technology in Nepal. Crop Development Directorate (CDD), Hariharbhawan and Agronomy Society of Nepal (ASoN), Khumaltar.

Research Theses/Projects:

Parajuli, M [2016]: On farm agricultural biodiversity and its contribution to food security in Tharu communities, Chitwan, Nepal. M.Sc. Thesis, TU, Rampur, Chitwan, Nepal.

Parajuli, M [2015]: Location and degradability of particulate organic matter in soil. M.Sc. Thesis, Ghent University, Ghent, Belgium.

Developing Criteria and Indicators for Forest Health Assessment [2024], World Wildlife Fund (WWF), Nepal.

Conference presentation:

1. **Parajuli, M.**, Adhikari, R., Gall, C., Scholten, S. Veste, M. & Seitz, S. (2025). Density fractionation for soil particulate organic matter determination in forest soils with moss cover. German Soil Science Society (DBG), Tübingen, Germany, 13–19 September *[Poster].*
2. Adhikari, R., Böhner, J., Chaudhary, R., Gall, C., Maharjan, A., **Parajuli, M.,** Schickhoff, U., Seitz, S., Oelmann, Y. & Scholten, T. (2025). Himalayan krummholz vs non-krummholz region: soil organic carbon, total nitrogen and C:N ratio indicates a nutrient limitation for plant growth in treeline ecotones. German Soil Science Society (DBG), Tübingen, Germany, 13–19 September *[Talk].*
3. Adhikari, R., **Parajuli, M.,** George, S, Dumon, M., Scholten, T. & Van Ranst, E. (2025). Physico-chemical and mineralogical characterization of a soil toposequence on Isla Santa Cruz Island (Galápagos) in González-Pérez José Antonio, Rosa Arranz, José M. de la (Eds). Advancing Soil Knowledge for a Sustainable Future: Book of Abstracts of the VII EUROSOIL Meeting, 1310 páginas pp 165. https://digital.csic.es/handle/10261/398890 *[Poster].*
4. **Parajuli, M.**, Pant, K.K., Adhikari, R., Scholten, S. & Seitz, S. (2025). Does Crop Diversity Improve Food Sufficiency? Insights from the Tharu Community in Nepal. Agrobiodiversity and the transition to agroecological food systems, Central Germany (Kassel, Eschwege and Halle), 17– 27 August *[Poster].*
5. Wagle, B.H., Devkota, B.P., Silwal, T., **Parajuli, M**., Bhandari, A.R. & Jnawali, D. (2025). Criteria and indicators for forest health

assessment in Nepal. Second National Silviculture Workshop, Kathmandu, 10-11 May *[Talk].*

6. Adhikari, R., Böhner, J., Chaudhary, R. P., Gall, C., Huber, J., Maharjan, A., Oelmann, Y., **Parajuli, M.**, Schickhoff, U., Seitz, S., Subedi, C. K. & Scholten, T. (2025). Soil microbial biomass and nutrient limitation in high altitude treeline ecotones of central Nepal Himalaya, EGU General Assembly, Vienna, Austria, 27 April –2 May, EGU25-253, *https://doi.org/10.5194/egusphere-egu25-253 [Poster]*
7. Adhikari, R., **Parajuli, M*.,** Tiwari, K. R., Seitz, S. & Scholten, T. (2024). An assessment of soil organic carbon and soil properties variation in *Banpale* forest of Tribhuvan University, Pokhara Campus. International Conference on Applied Science and Engineering in Changing World (ICASECW-24), Pokhara, Nepal (June 11-13) *[Talk].*
8. **Parajuli, M**., Pant, K. K. & Adhikari R. (2019). On-farm agricultural biodiversity and its contribution to food security in Tharu community, Chitwan, Nepal. International Conference on Natural Resources, Agriculture and Society in Changing Climate (NRACC), Godawari, Kathmandu, Nepal, 17-19 August *[Talk].*

Research Colloquia:

1. **Parajuli, M.** (2024). Identification of an appropriate staining agent for location and degradability of particulate organic matter (POM) in soils using X-ray computed tomography (CT), Tübingen University colloquium *[Talk].*
2. **Parajuli M***.* (2025). Linking moss cover, forest type and organic matter fractions to soil organic carbon sequestration in temperate forests *[Talk].*