

Curriculum-Vita: Lalit Pathak

Full Name: Lalit Pathak	Date of Birth: Apr 2, 1995
Nationality: Nepalese	Gender: Male
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Current Affiliation: Center of Research for Environment, Energy and Water (CREEW), Kathmandu, Nepal

Education: M.Sc. Environmental Science from Central Department of Environmental Science, Tribhuvan University, Kathmandu Nepal in (2019-2022)
B.Sc. Environmental Science from Tri-Chandra Multiple College, Tribhuvan University, Nepal (2013-2017)
LLB Nepal Law Campus, Tribhuvan University (2019-2023)

Work Experience

Research Officer: Center of Research for Environment, Energy and Water	(2024-Current)
Research Associate: Center of Research for Environment, Energy and Water	(2022-2024)
Enumerator: Green line Engineering Consultant Pvt. Ltd.	(2022)
Environmentalist: BIOME Environmental Consulting and Research Pvt. Ltd.	(2021-2022)
Research Intern: Department of Environment, Ministry of Forest and Environment	(2020)

Project Involved

1. ***Integrated Multi-Hazard Assessment for Climate-Resilient Watershed Management: A Transferable Prioritization Framework from Nepal's Mid-Hills:*** Project Lead, overall management and coordination of the project (June 2025 to ongoing)
2. ***Sustaining Climate and Disaster Risk Resilient and Low Carbon Development in South Asia:*** Research associate responsible for coordination, enumerators training, KII/GD and policy mapping, in Dhanusha district, funded by IWMI-Nepal, ongoing (Jun. 2025 to Oct. 2025)
3. ***Mitigation of GHGs from open waste burning:*** Research associate involved in proposal development, field methodology development, data analysis, and report writing, funded by APN, ongoing (July 2023 – Oct 2025)
4. ***Capacity Development Activities for Compound and Cascading Disaster Risk (CCDR):*** Research associate responsible for workshop arrangements, literature review, local interactions in Roshi Khola watershed, and assisting in reporting, funded by IGES, Japan, completed (Jan. 2025 to March 2025)
5. ***Climate Change Adaption Training to Nepalese Businesses:*** Project Coordinator (Knowledge management), responsible for training curriculum and material development, ToT and report writing, funded by USAID Biodiversity (Jal Jangal) (Sept-Nov 2024)
6. ***Develop Guideline to Localize Compound and Cascading Disaster Risk Management in Nepal:*** Research associate responsible for literature review, conducting workshops, local interactions in Melamchi municipality, and reporting, funded by IGES, Japan, completed (Sept. 2022 to March 2023)
7. ***Project for the development of Master Plan for Wastewater Management in Pokhara Metropolitan City:*** Research associate responsible for water sample collection (Lake, river, shallow well, deep well, and drainage), laboratory analysis for physiochemical parameters, and reporting, funded by client Yachiyo Engineering Co. Ltd. Japan, completed (Nov. 2022 to July 2023)
8. ***Emergency Preparedness Rescue Assessment for all four levels of EOCs including HEOC:*** Enumerator responsible for assessments using Ready2Respond (R2R) framework, field data collection, and conducting, completed (April 2022 to June 2022)
9. ***Preparation of Emission Inventory:*** Research intern responsible for field data collection and report preparation, completed (March 2021 to April 2021)

10. **Impacts of COVID-19 lockdown on the surface water quality of Bagmati river basin, Nepal:** Research Assistant responsible for river water sampling, data collection, laboratory analysis, and drafting the manuscript, completed (March 2020 to June 2021)
11. **Environmental Impact assessment for Simle Limestone mine construction in Dang:** Environmentalist responsible for baseline data collection, public hearing, and mapping, completed (Sept. 2019 to Oct. 2019)

Publications: Handbooks for B.Sc. level

- Pathak, L. P. (2017). *Climate Change and Ecosystem Management*. Ratnasagar Prakashan pvt.Ltd
- Pathak, L. P. (2017). *Pollution Control and Environmental Governance* . Ratnasagar Prakashan pvt.Ltd
- Pathak, L. P. (2018). *Environmental Pollution and Management Tools*. 2075BS. Ratnasagar Prakashan pvt.Ltd

Research and Journal Papers

- **Pathak, L.**, & Joshi, K. (2025). Influence of knowledge sources on climate change awareness and adaptation priorities in Central Nepal. *Discover Environment*, 3, Article 299. <https://doi.org/10.1007/s44274-025-00299-3>
- **Pathak, L.**, Malla, R., Lamichhane, B. K., & Dixit, A. M. (2025). Resilience Under Threat: Climate Change Impacts and Adaptive Responses of Nepalese MSMEs . *Journal of Environment Sciences*, 11(1), 53–62. <https://doi.org/10.3126/jes.v11i1.80594>
- **Pathak, L.**, Baral, B., Joshi, K., & Godone, D. (2025). Landslides in the Himalaya: The Role of Conditioning Factors and Their Resolution in Susceptibility Mapping, Landslides. *Geosciences* 2025 2025, Volume 15, Issue 4, 131. <https://doi.org/10.3390/geosciences15040131>
- Dahal, B., Adhikari, B., Joshi, T. P., **Pathak, L.**, ... & Saqr, A. M. (2025). Harnessing Hydrochemical Characterisation and ANN-Driven Water Quality Modelling for Wetland Sustainability in Sudurpaschim Province, Central Himalaya, Nepal. *Lakes & Reservoirs: Research & Management*, 30(1), e70012. <https://doi.org/10.1111/lre.70012>
- Pant, R. R., Rehman, F. U., Bishwakarma, K., **Pathak, L.**, Thapa, L. B., & Pal , K. B . (2023). Water quality and health risk assessment in the Gandaki river basin, central Himalaya, Nepal. *Scientific World*, 16(16), 85–93. <https://doi.org/10.3126/sw.v16i16.56827>
- **Pathak, L.**, Joshi, K., & Ghimire, P. (2023). Estimation of soil erosion using the Revised Universal Soil Loss Equation (RUSLE) in Relation to Landslides in Mid-hills of Nepal . *Journal of Environment Sciences*, 9(1), 82–93. <https://doi.org/10.3126/jes.v9i1.56483>
- **Pathak, L.**, & Devkota, K. C. (2022). Landslide susceptibility assessment in the Rangun Khola watershed of far western Nepal . *Journal of Nepal Geological Society*, 63(01), 33–44. <https://doi.org/10.3126/jngs.v63i01.50827>
- **Pathak, L.** and Devkota, K. C. (2022). Distribution and Dynamic Behaviors of Landslide in Rangun Khola Watershed of the Western Nepal, *Journal of Environment Sciences.*, v.8, pp. 68-79. <https://doi.org/10.3126/jes.v8i1.53653>
- **Pathak, L.**, Pant, R. R., Khadka, U. R., Nepal, J., Poudel, S., Pathak, G., and Thapa, L. B. (2020). Spatial analysis of water stress and application of water poverty index in the Mahakali River Basin, Sudurpaschim Province, Nepal. *Nepalese Journal of Zoology*, 4(2), 85-94. <https://doi.org/10.3126/njz.v4i2.33887>
- **Pathak, L.**, Timisina, R., Khanal, B., Shrestha, N., Bhatta, K.R., and Pant, R.R. (2020) Water quality, flood and livelihood nexus: A case from Indrawati River Basin, Nepal. *Tribhuvan University Journal*.
- Pant, R. R., Bishwakarma, K., Qaiser, F. U. R., **Pathak, L.**, Jayaswal, G., Sapkota, B., and Maskey, R. (2021). Imprints of COVID-19 lockdown on the surface water quality of Bagmati river basin, Nepal. *Journal of environmental management*, 289, 112522. <https://doi.org/10.1016/j.jenvman.2021.112522>
- Sapkota, M., Pant, R. R., **Pathak, L.**, Khanal, B., Shrestha, S., Poudel, B., and Durdiev, K. (2021). Assessment of water quality using multivariate statistical approaches in Jagadishpur Reservoir, Lumbini Province, Nepal. *Sustainable Water Resources Management*, 7(5), 1-12. <https://doi.org/10.1007/s40899-021-00559-z>
- **Pathak, L.**, Joshi, K., Ghimire, P., and Malla. R. (2025).Integrated Multi-Hazard Assessment for Climate-Resilient Watershed Management: A Transferable Prioritization Framework from Nepal's Mid-Hills (under review)
- **Pathak, L.** (2025). Land Cover Transformation and Wild Pig Conflict in Middle Mountains: Evidence from Ajayameru Rural Municipality, Sudurpaschim Province, Nepal (under review).
- **Editor**, 11th and 12th Groundwater Symposium Proceedings, ISSN-L: 2990-7861 (2023, 2024).

Training and Skills

Language skill: Proficient in Nepali and English (written and oral), German literate

Computer skill: ArcMap, QGIS, SPSS, R-Studio, Grapher™, Basic python for data analysis, GEE, Co-Lab, and Jupyter lab etc.

Training: Climate Data Analysis and Downscaling; (23-25 Nov. 2022); Organized by SEN under APN CAPaBLE.

Training Program on Ecohydrology; (27-31 March 2023); Department of Hydrology; Indian Institute of Technology, Roorkee

Online course: Water-energy-food nexus: Adaptive response to regional Hindu Kush Himalayan challenges; (19 May–4 June 2020); Organized by Himalayan University Consortium and International Centre for Integrated Mountain Development (ICIMOD-HUC)

Professional Training & Instruction as a Trainer

- **Lead Instructor & Curriculum Developer** | ICAS Office, Lalitpur | Aug 2024
 - Designed and delivered a "Train-the-Trainer" (ToT) program on Climate Change Adaptation for Nepalese businesses.
- **Technical Instructor** | CREEW Office | Jun 2024
 - Conducted a specialized training on Landslide Susceptibility Mapping for the Himalayan region.
- **Instructor** | WRRDC Office | Apr 2023
 - Led training on Landslide Countermeasure Works for government officials and engineers, covering both theory and practical application.
- **GIS Instructor** | CREEW Office | 2023-2025
 - Delivered a three-part workshop series on the Application of GIS for Water Quality Analysis for Tribhuvan University (CDHM) students.

References

Prof. Udhab Raj Khadka, PhD

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Science, Tribhuvan University

Kathmandu, Nepal

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Declaration

I hereby declare that the particulars of the information and facts stated herein above are true, correct and complete to the best of my knowledge and belief.

Lalit Pathak

November 04, 2025