

Sujan Chaudhary

Scientific Officer, Nepal Academy of Science and Technology

<https://scholar.google.com/citations?user=TbtGsSkAAAAJ&hl=en&oi=ao>

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Work Experience



Teaching Assistant | Mahendra Morang Adarsha
Multiple Campus

2 years

Worked as Higher level secondary teacher in Lord
Buddha International School, Small Heaven Academy,
and Gurung Chauri Madhyamik Vidhyalaya

Education History

Bachelor in Botany | Tribhuvan University
Batch 2014

Masters in Botany | Tribhuvan University
Batch 2018

Awards

NAST master thesis award

Relevant Skills

- R software
- Data analysis

Expertise

- Ethnobotany
- Traditional medicine
- Forest ecology
- Wild edible plants
- Carbon sequestration
- Forest regeneration

Volunteer Work and Affiliations

Promotional editor at Nepal
Journal of Biotechnology
2023 to Present

Publications

- Dulal, K., Chaudhary, S., Uprety, Y., Shrestha, N., Shakya, S., & Munankarmi, N. (2022). Ethnomedicinal plants used by the local people of Changunarayan Municipality, Bhaktapur, Nepal. *Ethnobotany Research and Applications*, 23, 1-27.
- Chaudhary, S., Magar, G. T., Sah, S. N., & Parajuli, S. (2020). Ethnic plants of Tharu community of Eastern Nepal. *International Journal of Applied Sciences and Biotechnology*, 8(2), 223-230.
- Chaudhary, S., & Aryal, B. (2024). Factors affecting the tree and soil carbon stock in *Shorea robusta* Gaertn. forests along the elevational gradient in Eastern Nepal. *Ecological Frontiers*, 44(3), 517-528.
- Timilsina, S., Shakya, S., Chaudhary, S., Thapa Magar, G., & Narayan Munankarmi, N. (2022). Evaluation of air pollution tolerance index (APTI) of plants growing alongside inner ring road of Kathmandu, Nepal. *International Journal of Environmental Studies*, 79(4), 698-713.
- Chaudhary, S., & Aryal, B. (2024). Diversity and distribution of tree species with respect to edaphic and physical factors in *Shorea robusta* Gaertn. forests along the altitudinal gradient. *Vegetos*, 1-12.
- Mallik, A. R., Chaudhary, S., & Shrestha, S. (2020). Useful valuable plants of Maithili community in Eastern Nepal: An ethnobotanical study. *Bangladesh Journal of Plant Taxonomy*, 27(2), 439-446.
- Munankarmi, N. N., Rana, N., Bhattarai, T., Shrestha, R. L., Chaudhary, S., & Shrestha, S. (2022). Optimization of PCR protocol for ISSR marker based genetic diversity assessment of acid lime [*Citrus aurantifolia* (Christm.) Swingle] germplasm in Eastern Nepal. *African Journal of Biotechnology*, 21(4), 167-179.
- Munankarmi, N. N., Rana, N., Joshi, B. K., Bhattarai, T., Chaudhary, S., Baral, B., & Shrestha, S. (2023). Characterization of the genetic diversity of Citrus species of Nepal using simple sequence repeat (SSR) markers. *South African Journal of Botany*, 156, 192-201.
- Achhami, H., Pachhai, B. B., Chaudhary, S., Manandhar, P., & Bhatt, L. R. (2025). Physicochemical, nutritional, antinutritional and antioxidant properties of juice and wines from *Rhododendron arboreum* Sm. petals. *Applied Food Research*, 100929.
- Bhaila, A., Shakya, S., Kunwar, B., Baral, B., Chaudhary, S., & Munankarmi, N. N. (2022). Ethnomedicinal exploration of plants utilized by the people of Suryabinayak Municipality in Bhaktapur District, Nepal. *Vegetos*, 35(3), 763-774.
- Shrestha, S., Gautam, T. P., Raut, J. K., Goto, B. T., Chaudhary, S., & Mandal, T. N. (2024). Edaphic factors and elevation gradient influence arbuscular mycorrhizal colonization and spore density in the rhizosphere of *Shorea robusta* Gaertn. *Ecological Frontiers*, 44(2), 257-265.
- Ojha Khatri, S., Chaudhary, S., Shrestha, N., & Munankarmi, N. N. (2021). Ethnomedicinal study and phytochemical screening of selected plants in Jhule, Dolakha District, Nepal. *Vegetos*, 34(4), 834-846.
- Chaudhary, S., Magar, G. T., Shrestha, S., & Balami, S. (2022). Peoples' Perception on Invasive Alien Plant Species of Ramdhuni Municipality, Sunsari District, Eastern Nepal. *Amrit Research Journal*, 3(01), 1-9.

- Munankarmi, N. N., Chaudhary, S., Neupane, S., Shyaula, S. L., Zhang, W., & Gauchan, D. P. (2025). Ethnomedicinal Uses of Plant Resources in Bethanchowk Rural Municipality of Kavrepalanchowk District, Central Nepal. *Ethnobotany Research and Applications*, 30, 1-47.
- Magar, G. T., & Chaudhary, S. (2022). Wild Floristic Diversity of Daman-Simbhanjyang Area, Makwanpur District, Central Nepal. *International Journal of Applied Sciences and Biotechnology*, 10(2), 112-123.
- Katwal, R., Dhakal, S., Rai, S., & Chaudhary, S. (2022). Assessment of physical properties and antimicrobial activity of activated charcoal impregnated with silver nanoparticles against *Escherichia coli*. *Himalayan Journal of Science and Technology*, 6(1), 2-12.
- Gautam, S. K., Magar, G. T., Chhetri, M. K., & Chaudhary, S. (2022). Ethnobotanical study of Janachana community forest in Rautahat district, Nepal. *Himalayan Journal of Science and Technology*, 6(1), 51-62.
- Koirala, N., Khanal, S., Chaudhary, S., Gautam, S., Sah, S. N., Subba, P., ... & Batiha, G. E. S. (2021). Potential surface active agent production using very low grade and cheap substrate by *Bacillus subtilis* as microbial cell factory. *Nepal Journal of Biotechnology*, 9(2), 21-28.