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Qualification Profile

A proactive personality with a Bachelor of Public health background with vigorous training in quantitative, qualitative and spatial research, skilled in several software, and experienced in guiding multiple research projects, driven to produce evidence-based research specific to Nepal's unique public health challenges.

Professional Experiences

Nepal Health Research Council

Sept 2023 till date

Research assistant

- Developed a comprehensive, country-wide training manual on implementation research for the FA5 project.
- Supported a qualitative study on rice fortification and contributed to research activities on non-communicable diseases (NCDs), the FA5 and CLIMB initiatives, as well as a studied examining the health impacts of climate change.
- Organized the 10th and 11th National Summits, the 24th FERCAP Conferences, and the ITM Colloquium.
- Led to multiple quantitative and qualitative research projects from proposal development all the way through to final report writing.

Planetary Health Research Centre

May 2024 till date

Research Consultant

- Served as research consultant in climate change and health project, supporting in coordinating with HMIS section
- Developed a robust DHIS-2 based application for dengue surveillance, support to collect regular monthly meteorological data, support in organizing stakeholder's workshops on climate change and health.
- Supported to write technical reports and proposal for third party funding.

Brave Hearts

Jan 2021 to Aug 2023

Research assistant

- Conducted comprehensive literature reviews and synthesize global and regional evidence on the impacts of climate change on child health to inform study design and priorities.
- Supported the development and administration of age-appropriate surveys, interviews, and focus groups with children and caregivers, ensuring rigorous adherence to ethical protocols and child protection standards.
- Managed, cleaned, and analyzed quantitative datasets using statistical software and geospatial tools to model relationships between climate variables (e.g., temperature, precipitation) and pediatric health outcomes.
- Coded and thematically analyzed qualitative data using NVivo. Drafted technical reports, policy briefs, and child-friendly materials (infographics, fact sheets).
- Coordinated stakeholder engagement activities—organizing workshops, facilitating meetings, and delivering presentations—to foster research uptake among schools, community groups, and government partners.
- Provided field support and capacity-building for local research teams at schools and community sites, ensuring high-quality data collection and adherence to project protocols.

Consulting and Freelance projects

Independent consultant, World Vision (Geospatial insights into child vulnerability In Nepal, project), Conducted multi-dimensional geospatial risk factor analysis related to child vulnerability in Nepal. Feb, 2025 till date.

Independent consultant, Environment and Public Health Organization (ENPHO), consultancy service for translation of National sanitation Status Report of Nepal from English to Nepali. December, 2024 to Jan, 2025.

Independent consultant, MdM France, consultancy service for conducting qualitative research on integrated assessment of Self-Reported Pesticide Toxicity, Farmer's Knowledge and Practices, and Occupational Health Safety: A Dual Perspective Study in Vegetable Farming Communities. Jan, 2023 to Marc, 2023

Academic Service

Ad hoc Reviewer, PLOS ONE.

2025 till date

Grants

Ongoing

Assessing the perception of health professionals on climate change and health.
Co-investigator

Completed

Integrated Assessment of Self-Reported Pesticide Toxicity, Farmer's Knowledge and Practices, and Occupational Health Safety: A Dual Perspective Study in Vegetable Farming Communities.
Co-investigator

Exploring Perceptions of people on the effects of climate change in Urban Communities of the Mountain Region in Nepal.
Co-investigator

Published Articles

Dhimal, M., **Khatrri, B. D.**, Basnet, M. B., Ghimire, S., Ghimire, N., Acharya, A., Rana, N., & Joshi, P. (2024). Compliance with the legal provision on tobacco products in Nepal: A study from Kathmandu Valley. Journal of Nepal Health Research Council.

Ghimire, S., Ghimire, S., **Khatrri, B. D.**, Neupane, S., Sagtani, R. A., & Upadhyaya, S. (2021). Intimate partner violence and the perception of the victims on its minimization: An Exploratory Study. The Journal of Nepal Health Research Council.

Published books

BPH Complete Manual, Fourth Year, Samikshya Publication ([Link](#))

BPH Complete Manual, Third Year, Samikshya Publication ([Link](#))

Ongoing Manuscripts

Dhimal, M. L., Bhandari, D., Ghimire, S., **Khattri, B. D.**, Shrestha, R., Sapkota, A., Ebi, K. L., Marten, R., & Dhimal, M. (2023). Building Climate Resilient Health System in Nepal: Insights from Policy Documents Review and Qualitative Interviews with Key Stakeholders.

Gautam, R., Khadka, B. K., Sharma, P., & **Khattri, B. D.** (2025). Association between indoor air pollution concentrations and acute lower respiratory infections in children under five in Nepal: Evidence from the Nepal Demographic and Health Survey, 2022.

Ghimire, S., & **Khattri, B. D.** (2025). Exploring Factors Associated with Health Seeking Behaviors of People on Institutional Delivery in Nepal. Journal of Nepal Health Research Council.

Yadav, C. B., **Khattri, B. D.**, & Ghimire, S. (2025). Knowledge and Utilization of research4life program. Journal of Nepal Health Research Council.

Dhimal, M. L., & **Khattri, B. D.** (2025). A 360° Approach - Evaluation of Government-to-Government Program of Nepali to UK nurses' recruitment: A Qualitative Study.

Ongoing Book Chapters

Khattri, B. D., Dhimal, M. L., Ghimire, S., Dhimal, P., Basnet, A., Gaihre, S., & Dhimal, M. (2014). Enhancing population health through the green economy: Leveraging co-benefits of climate change mitigation and adaptation in the Hindu Kush Himalayan region.

Dhimal, M., Gautam, R., & **Khattri, B. D.** (2025). Green Economy, Resilience and Climate Change in Mountain Ecosystems.

Khattri, B. D., & Dhimal, M. (2025). Climate change and vector-borne diseases in the highlands of Nepal.

Poster presentation

Royal College of General Practitioners (RCGP) Conference titled "A qualitative exploration of the impact of climate change on the health and livelihoods of communities of the Kathmandu, Nepal".
October, 2024.

Educational experiences

Purbanchal University

2021

Biratnagar Nepal

Bachelors in public health; Applied Science, Registered in National Health Professional Council (NHPC) (A-5434 Jan PH). Grade: First Class with distinction (3.51)

Key Modules: Research and biostatistics, Basic and Applied epidemiology, Applied Nutrition, Family Health, Child Health and Food and Nutrition, Population Studies, Environmental and Occupational. Health economics, PHAM, logistic management and computer application and project management, Health promotion and education, community health and school Health.

Khwopa Secondary School

2017

Dekocha, 2 Bhaktapur

Foundation Degree in Science. Professional development completed in Botany, chemistry, zoology, Nepali, and physics.

Completed professional development in Basic science, mathematics, English, and Nepali.

Skills

Quantitative data analysis software skills

R-Studio, STATA, SPSS, MS Excel

Qualitative data analysis software skills

NVivo

Geospatial Data analysis software skills

ArcGIS Pro

Data collection software skills

Epidata, google form, and kobotoolbox

Referees

Dr. Meghnath Dhimal, PhD

Senior Research Officer

Nepal Health Research Council

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Mr. Keshab Parajuli

Assistant Professor

Purbanchal University

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