



Nishanta Sharma

Quantitative Researcher | Statistical Modelling | Economic Modelling

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PUBLICATION

- Sharma, N., Nitivattananon, V., Tsusaka, T. W., & Pandey, R. (2024). An Application of the Stakeholder Theory and Proactive-Reactive Disaster Management Principles to Study Climate Trends, Disaster Impacts, and Strategies for the Resilient Tourism Industry. *International Journal of Sustainable Development and Planning*, 19(4), 1337–1346.
- Sharma, N. (2024). Identifying Hazards and Developing Resilience for Sustainable Urban Tourism: A Case Study of Pokhara, Nepal. Doctoral Dissertation, Asian Institute of Technology, Thailand.
- Sharma, N., & Pandey, R. (2024). Examining the Environmental Sustainability of Tourism Enterprises in Lakeside, Pokhara. *The Geographic Base*, 10, 103–125.
- Sharma, N. (2022). Visitors' Perception on Environmental Implications of Tourism in Lakeside Pokhara, Nepal. Pokhara University.

EDUCATION



DOCTOR OF PHILOSOPHY (PH.D.) PROGRAM IN DEVELOPMENT AND SUSTAINABILITY
ASIAN INSTITUTE OF TECHNOLOGY, THAILAND 2020 - 2024

WORK EXPERIENCE



Jan 2024 -
Ongoing

HEALTH INTERVENTION AND TECHNOLOGY ASSESSMENT PROGRAM FOUNDATION
POST: RESEARCHER; FULL TIME; ONSITE

A. Principal Investigator for:

1. Economic Impact of Fossil Fuel to Renewable Energy Transition using CGE and Integrated Assessment Models
2. Climate Change Impact on Healthcare Utilization and Health Systems
3. Climate, Health and Demographic Nexus
4. Exposure to Microplastic, Health Impact and Economic Evaluation
5. Low-Value Care: Appendicitis Surgery During COVID-19

B. Co-Principal Investigator (Co-PI)

1. Indoor Air Quality Assessment of Official Buildings in Thailand
2. CarbonQuest: Understanding Individual-Level Carbon Footprint via Gaming Application

C. Additional Responsibilities

1. Contribute to and secure multi-source research funding, including Thailand Science Research and Innovation (TSRI) and the Wellcome Trust.
2. Design and deliver research methods and statistical training.
3. Develop domestic and international research partnerships focused on carbon, climate-health research, and policy integration.

D. Board Member

1. Serve as an advisory board member of a climate-sensitive infectious disease network.

WORK EXPERIENCE



Jan 2021 - Nov
2024

ASIAN INSTITUTE OF TECHNOLOGY (AIT) GRADUATE RESEARCH AND TEACHING ASSISTANT; FULL TIME; ONSITE

A. Teaching Assistant:

- Taught Quantitative Research Methods to 50+ MSc/PhD students; achieved 100% pass rates and doubled average exam scores since 2021.
- Mentorship at scale: Guided 100+ graduate students in data analysis and academic writing; doubled research completion rates.

B. Research Assistant:

- Ran complex projects with 200+ variables For Living Delta Hub Project.

C. Student Assistant:

- Curriculum & program design: Co-developed MSc programs in Urban Development & Sustainability; created two EbA frameworks for National University of Laos; contributed to UNEP climate finance deliverables.



Sep 2023 - Dec
2023

UNITED NATIONS ECONOMIC AND SOCIAL COMMISSION FOR ASIA AND THE PACIFIC

SOCIAL DEVELOPMENT DIVISION - CARE ECONOMY RESEARCHER AND DATA REPRESENTATION

A. Contributed to Beijing+30 synthesis (200-page report → 10-page parliamentary brief) across five thematic areas—informing regional policy.

B. Supported Seventh Asian & Pacific Population Conference (54 member states); coordinated logistics and cross-cultural communications.

C. Facilitated Working Group on the Asian & Pacific Decade of Persons with Disabilities; enabled participation from 20+ countries.



Jul 2016 - May
2020

GOVERNMENT OF NEPAL (GON), POKHARA METROPOLITAN CITY OFFICE SOCIAL DEVELOPMENT AND HUMANITARIAN PROJECT OFFICER; FULL TIME; ONSITE

A. Data Innovation: Implemented and maintained a comprehensive database for 650 street children and 10,000+ elderly pension recipients, significantly improving vital registration accuracy and service accessibility.

B. Stakeholder Engagement: Coordinated with 80+ civil society organizations (CSOs) to establish youth forums and ad hoc working groups, strengthening transparency and inclusiveness in local governance.

C. Policy Partnership: Collaborated directly with the Municipality Mayor and 33 ward members to institutionalize the Child-Friendly Local Governance (CFLG) program at the subnational level.

D. Fundraising & Partnership Building: Designed and executed innovative fundraising strategies, including a strategic partnership with UNICEF Nepal, securing USD 10,000 and creating a sustainable childcare business model.

HONORS & AWARDS

- A. PhD Fellowship, University Grants Commission (UGC), Nepal | August 2022
Associated with: Asian Institute of Technology
Awarded a monthly research stipend and publication support for peer-reviewed journal articles.
- B. Asian Institute of Technology PhD Scholarship, August 2020
Awarded a full tuition fee waiver for doctoral studies based on academic merit.
- C. Dean's List Award
Pokhara University | August 2019
Recognized for outstanding academic performance during graduate studies.
- D. Japan Student Services Organization (JASSO) Exchange Scholarship
Fully funded scholarship for international exchange at Kumamoto University, Japan.
- E. Dean's List Award
Pokhara University | September 2016
Recognized for outstanding academic performance during undergraduate studies.

LICENSES & CERTIFICATIONS

- A. Foundations of Geographic Information Systems (GIS)
LinkedIn Learning | Issued: August 2024
Skills: Geographic Information Systems (GIS)
- B. Data Analytics: Dashboards vs. Data Stories
LinkedIn Learning | Issued: August 2024
Skills: Data Analytics, Data Visualization, Dashboard Design
- C. Machine Learning & AI Foundations: Linear Regression
LinkedIn Learning | Issued: August 2024
Skills: Artificial Intelligence (AI), Machine Learning, Linear Regression
- D. GRIH Platform Training
United Nations Convention to Combat Desertification (UNCCD)
G20 Global Land Initiative Coordination Office | Issued: July 2024
Credential ID: 5a92b7d9-84b8-488a-9d65-1b696feab5a5
- E. Closing the Green Skills Gap to Power a Greener Economy and Drive Sustainability
LinkedIn Learning | Issued: January 2024
Skills: Green Economy, Green Jobs, Sustainability
- F. Climate Change: A Top ESG Concern
LinkedIn Learning | Issued: January 2024
Skills: Environmental, Social, and Governance (ESG), Climate Change, Sustainable Finance