

Barsha Manandhar

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EDUCATION

Doctor of Philosophy in Public Affairs, Florida International University, USA, *Summer 2021*
Dissertation Title: *Managing Collaborative Networks in Post-Disaster Recovery: A case study of 2015 Nepal Earthquake.*

Master of Science in Environment Management, University of Wolverhampton, UK, 2010
Thesis Title: *Effects of Gypsum Wallboard on Splash Erosion on Sandy Loamy Soil in Hilton, Shropshire, UK.*

Bachelor of Science in Environment Science, Tribhuvan University, Nepal, 2006

RESEARCH INTERESTS

Collaborative Governance, Emergency Management, Disaster Risk and Resilience, Critical Infrastructure Systems, GIS and Mixed qualitative and Quantitative Methods.

PUBLICATIONS

Peer-Reviewed Publications

Manandhar, B., Dongol, Y., & Ganapati, E. (2022). Governing the post-disaster recovery network in Nepal: Organizational challenges of public managers. *International Journal of Disaster Risk Reduction*, 103245.

Mukherji, A., Ganapati, N.E., **Manandhar, B.** (2021). Panacea or Problem: New Governance Structures for Disaster Recovery. *International Journal of Disaster Risk Reduction*, 52, 101960

Zhu, J., **Manandhar, B.**, Truong, J., Ganapati, N. E., Pradhananga, N., Davidson, R. and A. Mostafavi. (2017). Assessment of Infrastructure Resilience in the 2015 Gorkha Earthquake. *Earthquake Spectra*. 33(S1): S147-S165.

New Publication in Progress

Manandhar, B. Barriers to collaborative: The role of differences and power asymmetries in Nepal's post-disaster recovery network. Draft completed for *Governance*.

Manandhar, B. and Dongol, Y. Understanding private housing reconstruction outcomes: A case of 2015 Nepal Earthquake. In preparation for *Disasters*

Manandhar, B. Understanding emergency logistics management challenges: A case of transportation logistics from the 2015 Nepal Earthquake. In preparation for *Journal of Humanitarian Logistics and Supply Chain Management*.

Rodriguez-Figueroa, L., Quiles-Miranda, M., **Manandhar, B.**, Meng, S., Halim, N., Mozumder, P. Analysis Health Impacts of Natural Disasters in Puerto Rico for Promoting Resilience. *Natural Hazards Center Public Health Research Award Program Call 3: Research in U.S. Territories, Tribal Areas, and Rural Communities*, 288. Boulder, CO: Natural Hazards Center, University of Colorado Boulder [*Preliminary Report Submitted*]

Manandhar, B. Sources and Distribution of External and Internal Funding. In Paul, B and Juran, L (Eds), *The Routledge Handbook of Disaster Response & Recovery*. [Forthcoming 2024]

Manandhar, B., Halim, N., Mozumder, P., Hasan, S., Chatterjee, C. Managing Evacuation Traffic in Rapidly Intensifying Hurricanes: Insights from Florida Emergency Managers. In preparation for *Natural Hazards*

CONFERENCE PRESENTATIONS

Manandhar, B., Halim, N., Mozumder, P., Hasan, S., Chatterjee, C. Managing Evacuation Traffic in Rapidly Intensifying Hurricanes: Insights from Florida Emergency Managers. *48th Annual Natural Hazards Workshop, Broomfield, Colorado, July 2023* [Forthcoming]

Rodriguez-Figueroa, L., Quiles-Miranda, M., **Manandhar, B.**, Meng, S., Halim, N., Mozumder, P. Analysis Health Impacts of Natural Disasters in Puerto Rico for Promoting Resilience. *48th Annual Natural Hazards Workshop, Broomfield, Colorado, July 2023* [Forthcoming]

Manandhar, B., Understanding barriers to network management: The role of differences and power asymmetries in Nepal's post-disaster recovery network. *52nd Southeastern Conference for Public Administration (SECoPA), September 2022*, Annual Conference, Lexington, KY

Manandhar, B., Ganapati, N.E. Governance Factors Shaping Post-Disaster Housing Reconstruction in Urban Nepal. *46th Annual Natural Hazard Workshop, Broomfield, Colorado, July 2021* [Virtual Conference].

Manandhar, B., Ganapati, N.E. Public Managers' Challenges in Network Governance: Managing Multi-Sector Stakeholders in Post-Disaster Recovery in Nepal. *American Society for Public Administration Conference*. April 2021 [Virtual Conference].

Manandhar, B., Ganapati, N.E. Governing the collaborative network: A case study of post-disaster recovery of 2015 Nepal Earthquake. *45th Annual Natural Hazard Workshop, Broomfield, Colorado, July 2020* [Virtual Conference].

Manandhar, B., Ganapati, N.E. Managing Disaster Governance in Nepal: Interorganizational Collaboration in Post-Disaster Recovery. *American Society for Public Administration Conference*. Anaheim, California, April 2020 [Accepted but canceled due to COVID-19].

Manandhar, B., Haensel, K., Ganapati N. E. The state of Emergency Management Research in Public Administration: What We Study and What We Don't Study. *Southern Political Science Association 91st Annual Conference*, San Juan, January 2020.

Manandhar, B., Ganapati, N.E. Governing the collaborative network: A case study of post-disaster recovery of 2015 Nepal Earthquake, *American Society for Public Administration Conference*, Washington D.C, March 2019.

Ganapati, N. E., **Manandhar, B.,** Zhu, J., Mostafavi, A., & Pradhananga, N. Vulnerable Households in Nepal: Factors Enabling or Hindering Their Recovery After the 2015 Earthquake, *American Society for Public Administration Conference*, Atlanta, March 2017.

PROFESSIONAL EXPERIENCE

Teaching Experience

- **Adjunct Professor**, Florida International University, Miami, FL

Courses taught (Undergraduate, Fall 2021, Spring 2022, online)

- PAD 4723- RVC 1218 Applied Research Methods for Policy and Management (Course Designed and Developed Syllabus).
- PAD 4414- RVC 1218 Personal Skills for Administrators.

Course taught (Undergraduate, June 2021- July 2021, online)

- PAD 4723- RVC 1215 Applied Research Methods for Policy and Management

- **Graduate Teaching Assistant**, Florida International University, Miami, FL

August 2016-July-2020. Assisted faculty members with development of course plans, preparation of lesson materials, prepare and design online classes, and grading

- GRAD, PAD 6277, Public Finance and Budgetary Process (Fall, 2016)
- GRAD, PAD 6306, Policy Analysis and Program Planning (Spring, 2017)
- Capstone UNDERGRAD PAD 4934, Integrative Seminar in Public Administration (Fall, 2017)
- GRAD, PAD 6053, Political Social and Economic Context of Public Administration (Fall, 2018)
- GRAD, PAD 5435, Administration and the Role of Women (Fall, 2018)

Non-academic Professional Experience

- **Research Associate** in the Institute of Environment, Florida International University, (Summer 2022 to current). Responsibilities include survey design, semi-structured interviews with emergency managers of Florida and Louisiana states, qualitative and quantitative analysis of surveys and interviews, and the preparation of research papers related to a NSF's project on Strengthening American Infrastructures.
- **Graduate Assistant** in the Maurice A. Ferré Institute for Civic Leadership, Florida International University (Summer 2021). Responsibilities include preparing initial materials related to the mission, vision, and objectives of the institute.
- **Graduate Intern** in the Department of Environment Health & Safety, Florida International University. (Summer 2021). Revise and develop Environmental Health & Safety Continuity of Operation Plan (COOP plan)
- **Program Officer** in an NGO - Group of Helping Hands (**SAHAS-NEPAL**). Responsibilities include preparing project reports; visit project site; attend project related meetings, seminar, workshop and conferences. (Jan 2013 – Oct 2013).
- **Assistant Program Officer** in an NGO - **ECO-Nepal**. Responsibilities include preparing progress and final report of project on Local Disaster Risk Reduction and Management Program (LDRMP) of Rukum, Kailali and Bardia districts of Nepal. (May 2012- Dec 2012).
- **City Volunteer** in Kathmandu Metropolitan City (KMC) and Clean Energy Nepal (CEN). Responsibilities include conducting awareness program related to different environment issues (Mar 2012- May 2012).
- **Research Assistant** in the Center of Research for Environment Energy and Water (CREEW). Responsibilities include research on the assessment of water availability and water demand in Kathmandu Valley (Dec 2011- Jan 2012).
- **Independent Consultant** responsible for conducting Initial Environment Examination (IEE) of hospitals in Nepal (June 2011- Nov 2011).
- **Research Laboratory Assistant** in Environment and Public Health Organization (ENPHO), Nepal (Jan 2007 – Feb 2007).

FELLOWSHIPS AND SCHOLARSHIPS

- Dissertation Year Fellowship, Florida International University, \$16,600 Fall- Spring (2020)
- UWS-Charles Perry Graduate Scholarship, Florida International University, \$3000 Fall Spring (2020)
- Fu-Foundation Scholarship, Florida International University, \$250 Summer (2019)

ANALYTICAL SKILLS

- Qualitative data analysis using NVIVO
- Quantitative data analysis using STATA and R
- Spatial analysis using ArcMap, ArcGIS pro, ArcGIS online

PROFESSIONAL TRAININGS

- Critical Infrastructure Security and Resilience: Achieving Results through Partnership and Collaboration, IS-00913. a. Emergency Management Institute. Federal Emergency Management Agency (FEMA), March 2022 (Certificate Received).
- An Introduction to the National Incident Management System, IS-00700. b. Emergency Management Institute. Federal Emergency Management Agency (FEMA), January 2022 (Certificate Received).
- Introduction to Incident Command System, ICS-100. Emergency Management Institute. Federal Emergency Management Agency (FEMA), December 2021 (Certificate Received).
- *The Disaster Mitigation Act of 2000: Twenty Year of Promise, Pitfalls, and Progress from a Planning Perspective*. Making Mitigation Work Webinar Series, Natural Hazard Center, University of Colorado Boulder. October 13, 2020 (Certificate Received).
- *The Opportunities and Challenges of Implementing Buyouts*. Making Mitigation Work Webinar Series, Natural Hazard Center, University of Colorado Boulder. December 8, 2020 (Certificate Received).
- *Climate Change Research from Mitigation Matters*. Making Mitigation Work Webinar Series, Natural Hazard Center, University of Colorado Boulder. March 9, 2021 (Certificate Received).
- *Implementing Mitigation Near and Far: U.S. States, New Zealand, and Applied Research*. Making Mitigation Work Webinar Series, Natural Hazard Center, University of Colorado Boulder. April 13, 2021 (Certificate Received).
- *Mapping Risk: The National Risk Index for Natural Hazards*. Making Mitigation Work Webinar Series, Natural Hazard Center, University of Colorado Boulder. May 11, 2021 (Certificate Received).
- *Mitigation Champions: Making the case for Risk Reduction and Equitable Disaster Recovery*. Making Mitigation Work Webinar Series, Natural Hazard Center, University of Colorado Boulder. June 8, 2021 (Certificate Received).