



# SNEHALATA THAKUR

*-Program Leader /Senior Lecturer*

## MAJOR PUBLICATIONS

THAKUR, S., RANJITKAR, P., & RASHIDI, S. (2022). INVESTIGATING EVACUATION BEHAVIOUR UNDER AN IMMINENT THREAT OF VOLCANIC ERUPTION USING A LOGISTIC REGRESSION-BASED APPROACH. SAFETY SCIENCE, 149, 105688.

THAKUR, S., RANJITKAR, P., & RASHIDI, S. (2022). MODELLING EVACUATION DECISIONS UNDER THE THREAT OF VOLCANIC ERUPTION IN AUCKLAND. TRANSPORTATION RESEARCH PART D: TRANSPORT AND ENVIRONMENT, 109, 103374.

CHEN, Z., HART, RTJ., RANJITKAR, P., AFZAL, M., THAKUR, S., COSTELLO, SB. (2019). RESILIENCE OF URBAN ROAD NETWORKS: A CASE STUDY OF AUCKLAND, ITS WORLD CONGRESS, 21-25 OCTOBER 2019, SINGAPORE.

MALIK, L., TIWARI, G., THAKUR, S., & KUMAR, A. (2019). ASSESSMENT OF FREIGHT VEHICLE CHARACTERISTICS AND IMPACT OF FUTURE POLICY INTERVENTIONS ON THEIR EMISSIONS IN DELHI. TRANSPORTATION RESEARCH PART D: TRANSPORT AND ENVIRONMENT, 67, 610-627.

## RESEARCH HIGHLIGHTS

- EVACUATION BEHAVIOUR: INVESTIGATED FACTORS INFLUENCING INDIVIDUALS' EVACUATION DECISIONS AND PROPOSED A CONCEPTUAL FRAMEWORK TO MODEL AND ANALYSE EVACUATION INTENTIONS OF AUCKLANDERS.

- OPERATIONAL EFFICIENCY AND EMISSIONS MANAGEMENT: FOCUSED ON IMPROVING BUS SYSTEM OPERATIONAL EFFICIENCY AND ADDRESSING DATA GAPS IN VEHICULAR EMISSION MANAGEMENT.

- LOW-CARBON TRANSPORT PROMOTION: PROMOTED LOW-CARBON TRANSPORT INITIATIVES IN INDIA AND EXPLORED MODE CHOICE BEHAVIOUR PREDICTION.

Snehalata Thakur is a distinguished senior lecturer and program coordinator at the International College of Auckland. She brings a decade of extensive experience in research and teaching in the field of Civil Engineering. In addition to her academic and professional roles, she is a PhD candidate at the University of Auckland, where she is actively engaged in research focused on transportation and evacuation planning in emergencies. She is passionate about knowledge sharing and always believes in growing together. She loves visiting places and exploring new cultures, which enriches her perspective and fuels her dedication to both her professional and personal growth.

## AREA OF EXPERTISE

- SURVEY DESIGN AND DATA ANALYSIS
  - DESIGN AND CONDUCT QUESTIONNAIRE SURVEYS AND HOUSEHOLD TRAVEL SURVEYS
  - EXTRACT, INTERPRET, AND ANALYZE DATA
  - STATISTICAL AND TRANSPORT MODELLING
  - EVALUATION OF TRANSPORT NETWORK PERFORMANCE
- TRANSPORT PLANNING AND SAFETY
  - TRANSPORT PLANNING AND SAFETY ANALYSIS
  - TRAVEL DEMAND ESTIMATION
  - DISCRETE CHOICE MODELLING IMPLEMENTATION
  - SAFE SYSTEM APPROACH IN TRANSPORT SAFETY
  - TRAVEL BEHAVIOR PREDICTION
- LECTURING DIFFERENT CIVIL ENGINEERING SUBJECTS RELATED TO
  - TRANSPORTATION ENGINEERING
  - GEOMETRIC DESIGNS
  - BUILDING AND INFRASTRUCTURE
  - ENGINEERING SURVEYING
  - CONSTRUCTION MANAGEMENT AND TECHNOLOGY