



Office of Research, Impact and Postgraduate Studies

presents a **Postgraduate Seminar** titled

An Evaluation of Factors Influencing Occupational Safety in a Small Island Developing State during the COVID-19 Pandemic

by **Ms Amna Imamshah**

This study aimed to investigate the factors influencing occupational health and safety conditions that existed during the COVID-19 pandemic in the small island developing state of Trinidad and Tobago.

First, this study identified the occupational health and safety conditions experienced by the workforce in different industrial sectors. Second, this study investigated how safety-related antecedents and demographic characteristics influence safety performance. Third, this study analysed the relationship between safety-related antecedents and safety performance compared to that in developed countries.

Using a three-phase exploratory sequential mixed-methods research design, this study integrates systematic literature reviews, a cross-sectional survey, and correlation and regression analyses to explore the relationships between the safety-related antecedents (organisational factors, task characteristics, working environment, and workforce characteristics) and safety performance.

The results of the correlation analysis indicated that clear task characteristics, robust organisational factors, workforce characteristics, and a supportive working environment were positively correlated with safety performance. Task characteristics showed the strongest correlation among safety-related antecedents, indicating that well-defined and supportive task characteristics significantly enhanced safety performance. The regression analysis revealed that significant predictors that enhance safety performance for this model include the Working Environment, Organisational Factors, and Task Characteristics. Comparatively, developed countries benefit from stronger safety regulations, advanced training programs, and greater technological integration, contributing to a more mature safety culture and better overall safety outcomes.

These findings underscore the critical role of tailored safety interventions in developing regions and provide practical recommendations for policymakers, business leaders, and safety professionals. Future research should focus on the long-term impacts of these interventions, comparative studies across different regions, and the role of technology in enhancing safety performance. This study contributes to the growing literature on occupational safety in small island developing states by offering valuable insights into practical strategies for improving workplace safety during future global health crises.



Ms AMNA IMAMSHAH holds a Bachelor of Science in Physics with a Minor in Environmental Science and Materials Science from the University of the West Indies. Additionally, she obtained a Master of Science in Occupational Health, Safety, and Environment from the University of Greenwich in 2009.

Currently, Ms Imamshah works at The University of Trinidad and Tobago (UTT) as a Senior Instructor, delivering Health Safety and Environmental courses within the Health Sciences Unit, and is currently pursuing a Master of Philosophy in Environmental Studies. Throughout her professional career, she voluntarily contributed to nonprofit organisations dedicated to enhancing the lives of children and youth in the community.

Wednesday 4th December, 2024 at 10:30 a.m.

zoom | **CLICK HERE** to register