Supply Chain Risk Management
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WILL YOUR BUSINESS SNAP OR SNAP BACK? BUILDING A RESILIENT SUPPLY CHAIN TO SURVIVE THE CHANGING CLIMATE.

Organisations operating in the global environment are highly vulnerable to manmade and natural disasters. Some organisations perform better than others in these contingencies highlighting the aspect of resilience. Therefore, the concept of resilience has gained momentum in recent years as researchers explore features of resilience. Organisations are indeed concerned with supply chain resiliency; hence, this research builds on previous research which argued that planning is an essential phase towards building resiliency. The research proposes and explores Key Resilience Indicators of the planning phase in order to make supply chains resilient through multiple case studies of agribusinesses in New Zealand.

Keywords: Resilience, crisis management, disaster

Chowdhury, Md Maruf Hossan and Quaddus, Mohammed

DEVELOPMENT AND VALIDATION OF AN INSTRUMENT FOR SUPPLY CHAIN RESILIENCE MEASUREMENT

Despite the emergence of supply chain resilience (SCR), empirical research in this area has been beset by inadequate conceptualization and the lack of a validated measurement model. In this backdrop, the purpose of this research was to develop measurement instrument for SCR. A series of studies were conducted for the development and validation of SCR measurement scale. Once the dimensions of SCR were determined from literature review, a field study was conducted to contextualise the data. Then, a pilot study data were used to select items based on factor analysis. Followed by this, a second stage survey data were collected to conduct confirmatory factor analyses. Study finds that SCR is a multi-dimensional and hierarchical construct, which consists of four primary dimensions: supply chain proactive capability, supply chain design, readiness, and response-recovery. The proposed scale in this study could be used as a diagnostic tool to identify areas where specific improvements are needed, and to pinpoint the aspects of resilience in supply chain network.

Keywords: Supply chain resilience, measurement instrument, multi-dimensional construct

Bagdwal, Rajiv; Zhang, Abraham and Basnet, Chuda

DEVELOPING RESILIENT SUPPLY CHAINS FOR SUSTAINABLE BUSINESS IN NEW ZEALAND

In this paper we report on qualitative research carried out to explore supply chain risks and mitigation strategies in the New Zealand context. Unstructured interviews were conducted with nine informants having supply chain responsibilities. Supply chain risks were identified and classified into external and internal risks. Mitigation strategies consisted of supply chain collaboration, organisational culture, and robust information systems. Managerial implications are discussed.

Keywords: supply chain management, risk management, business continuity plan
PERSPECTIVES ON SUPPLY CHAIN CORRUPTION AND RISK MANAGEMENT

In today's rapidly changing world, supply chains are confronted with various risks. Research on supply chain risk management (SCRM) is still immature and of increasing importance. Different risk factors and management tools have been identified and studied. At the same time, corruption has been widely studied from the perspective of economy, politics, culture and so on, but research on corruption from the perspective of the supply chain is largely ignored. In this paper, we review relevant literature and propose a conceptual framework for managing corruption risk in supply chains. Case study research and system dynamics modelling are proposed to be applied in our future research to understand and manage corruption risk in supply chain.

Keywords: Corruption, supply chain risk, risk management