BUCHAREST UNIVERSITY OF ECONOMIC STUDIES

Council of Doctoral University Studies

Doctoral School of Business Administration I

CRITICAL ASPECTS OF RISK MANAGEMENT AND RESILIENCE IN GLOBAL SUPPLY CHAINS

Eleonora DIJMĂRESCU

PhD Coordinator: Prof. Univ. Dr. Simona-Lelia VOINEA

Bucharest

2025

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SUMMARY

The doctoral thesis "Critical aspects of risk management and resilience in global supply chains" addresses the importance of strategic procurement in the effective risk mitigation, in the context of increasing volatility of global supply chains. The industrial sector analyzed is the power energy industry, with specific characteristics. The adopted methodology is exploratory, combining qualitative and quantitative research methods. The conceptual framework of global supply chain management is presented, highlighting critical aspects, the pre-pandemic stage and the current geopolitical uncertainties. Supply chain development strategies, risk and resilience management, sustainability aspects, the role of collaboration in supply chains and theoretical applications of generative Artificial Intelligence in strategic procurement are analyzed. Furthermore, qualitative analysis based on semi-structured in-depth interviews is used to formulate new hypotheses. The exploratory analysis based on quantitative data aims to estimate the perception of risks and the impact of social skills in the collaboration with suppliers. The research contributes originally by providing new perspectives and models for understanding risks and resilience in global supply chains.

Keywords: global supply chains, strategic procurement, risk management and resilience, collaboration in supply chains.