

ABSTRACT

This study aims to develop a systematic and critical synthesis of the empirical literature on the relationship between Supply Chain ESG (Environmental, Social, and Governance) and Green Innovation Performance over the period 2015–2025. This is driven by the rapid growth of sustainability literature in Supply Chain Management alongside the persistently fragmented understanding of the relationship between these two constructs in an integrated manner.

This study employs a Systematic Literature Review (SLR) approach based on the PRISMA 2020 protocol, drawing on peer-reviewed journal articles indexed in Scopus. Of the 595 articles initially identified, a systematic selection process yielded 35 final articles that met all inclusion criteria. The articles analyzed were restricted to quantitative empirical studies published in English between 2015 and 2025, employing advanced statistical modeling such as Structural Equation Modeling (SEM) or panel data regression. The synthesis was conducted using a narrative synthesis method encompassing data organization, theme identification, and critical evaluation of divergent findings.

The synthesis yields three main conclusions. First, Supply Chain ESG exerts a positive and significant influence on Green Innovation Performance; however, this effect is asymmetric and highly contingent on firm-specific conditions and the institutional environment in which the firm operates. Second, empirical publications experienced significant acceleration during 2020–2025, dominated by studies from China and Western countries, reflecting a shift from the Green Supply Chain Management (GSCM) approach toward a more holistic three-dimensional ESG framework. Third, Green Knowledge Sharing and Dynamic Capability are the most critical mediating variables, while Absorptive Capacity proves to be the most decisive moderator in the relationship between Supply Chain ESG and Green Innovation Performance.

Keywords: Supply Chain ESG, Green Innovation Performance, Systematic Literature Review, PRISMA 2020, Green Innovation, Supply Chain Sustainability, Green Knowledge Sharing, Absorptive Capacity