Environmental Engineering and Management Journal

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
http://www.eemj.icpm.tuiasi.ro/; http://www.eemj.eu

"Gheorghe Asachi" Technical University of Iasi, Romania

ECOLOGICAL INTEGRATION: ANALYZING THE IMPACT OF PRODUCTIVE SERVICES AGGLOMERATION ON THE ECONOMIC GREEN RESILIENCE

Zhen Liu[1], Xue Sun[1], Jing Lan[2], Yong Huang[1*]

[1]*School of Business, Nanjing Normal University, Nanjing 210023, China*
[2]*College of Public Administration, Nanjing Agricultural University, Nanjing 210095, China*

Abstract

The productive services agglomeration has emerged as a pivotal mechanism for optimizing industrial spatial distribution and fostering coordinated regional development. Using the panel data from China's 281 cities from 2011 to 2021, this study investigated the impact of productive services agglomeration on economic green resilience. Furthermore, it explored the mechanical effect of knowledge stock and industrial structure adjustment on this relationship. The findings revealed that productive services agglomeration significantly enhanced economic green resilience, with the magnitude of this positive effect exhibiting substantial heterogeneity across regions, industrial sectors, temporal dimensions, and environmental governance intensity. Moreover, knowledge stock and industrial structure adjustment were identified as critical mediating pathways through which productive services agglomeration influenced economic green resilience. These insights offer a novel perspective for bolstering China's economic green resilience through strategic expansion of productive services agglomeration.

Key words: economic green resilience, industrial structure adjustment, knowledge stock, mediation effect model, productive services agglomeration

Received: April, 2024; Revised final: June, 2025; Accepted: July, 2025

* Author to whom all correspondence should be addressed: e-mail: huangyongnnu@163.com; Phone: +86 17864387620