

Special Issue

Green Logistics: Transforming the Supply Chain for a Low-Carbon Future

Message from the Guest Editors

The climate crisis demands strategies to decarbonize global supply chains. Green logistics—integrating environmental sustainability into production, transportation, warehousing, packaging, and distribution—is pivotal to achieving a low-carbon economy. This Special Issue invites cutting-edge research on innovative models, technologies, and policies that advance the supply chain lifecycle. We seek contributions that bridge theory and practice, offering pathways toward net-zero emissions while balancing economic viability, social equity and planetary boundaries. Traditional logistics remains a dominant source of greenhouse gas emissions and ecological damage. Sustainable transformation requires systemic redesign from sourcing low-impact materials and adopting clean energy in transport to implementing circular-economy principles in reverse logistics. Stakeholders increasingly prioritize carbon transparency, ethical sourcing and circularity. Yet, barriers persist, including cost trade-offs, technological gaps, and policy fragmentation. This Special Issue aims to address these challenges by showcasing scalable, data-driven solutions for green logistics in a resource-constrained world.

Guest Editors

Prof. Dr. Lei Xu
Prof. Dr. Xiaojun Yang
Dr. Peng Du

Deadline for manuscript submissions

15 October 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/250447

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)