Special Issue

Advancing Carbon Reduction Technology Innovation: Pathways to Global Carbon Neutrality and Sustainable Development

Message from the Guest Editors

This Special Issue will comprehensively explore the critical role of carbon reduction technology innovation in the global journey toward carbon neutrality. We will conduct an in-depth analysis of its theoretical foundations, technological pathways, and practical outcomes, adopting a multidisciplinary perspective to systematically examine this global challenge. The key areas of focus include: Theoretical Foundations and Frontiers of Carbon Reduction Technologies: Mechanisms and Impacts of Global Carbon Neutrality Policies; Dynamic Coupling of Industry Transformation and Technological Change; Applications and Challenges of Carbon Capture and Storage (CCS) Technologies; Green Finance and Innovative Investment Mechanisms; Prospects for Innovation Pathways in Global Carbon Neutrality.

Guest Editors

Dr. Jintao Li

Center for Quality of Life and Public Policy Research, Institute of Public Governance, School of Political Science and Public Administration, Shandong University, Qingdao 266237, China

Dr. Jianhua Zhu

School of Economics and Management, Harbin Institute of Technology (Weihai), Weihai 264209, China

Dr. Feng Liu

Business School, Shandong University, Weihai, China

Deadline for manuscript submissions

closed (10 September 2025)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/198824

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

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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)

