

Special Issue

Smart and Sustainable Cities and Rural Regions: Data-Driven Approaches for Resilient and Sustainable Infrastructure

Message from the Guest Editor

This Special Issue explores the role of advanced technologies and data-driven solutions in developing resilient, sustainable, and interconnected infrastructure across both urban and rural settings. As cities and rural regions evolve, their infrastructure needs are increasingly interlinked, requiring integrated approaches that support economic growth, environmental sustainability, and social well-being. Rapid urbanization, climate variability, and technological advancements are reshaping urban infrastructure. Rural areas, which are critical for food production, resource management, and cultural preservation, are modernizing to enhance their connectivity, service delivery and resilience. Bridging urban and rural infrastructure gaps requires innovative, adaptable, and region-specific solutions. This Special Issue will showcase case studies, methodologies, and policies that highlight how integrated, technology-driven infrastructure solutions can support both urban and rural regions. By fostering collaboration and leveraging smart systems, we can create more resilient, adaptive, and sustainable infrastructure that meets the needs of diverse communities and ensures long-term prosperity.

Guest Editor

Dr. Jidong J. Yang

College of Engineering, University of Georgia, Athens, GA 30602, USA

Deadline for manuscript submissions

28 February 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/231171

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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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, CAPIus / SciFinder, and other databases.

Journal Rank:

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