

Special Issue

Harnessing Big Data for Sustainable Development: A Pathway to Greener Futures

Message from the Guest Editors

This Special Issue, "Harnessing Big Data for Sustainable Development: A Pathway to Greener Futures," aims to explore innovative approaches and applications that leverage big data analytics to support sustainable practices across multiple sectors. By integrating large-scale environmental datasets, sensor networks, and advanced computational models, researchers can uncover insights that drive effective resource management, enhance climate resilience, and optimize energy consumption. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Advanced analytics for environmental monitoring and climate change mitigation
- Smart city solutions powered by big data
- Optimization of renewable energy systems through data-driven approaches
- Data integration techniques for sustainable resource management
- Real-time analytics for disaster risk reduction and resilience
- Big data applications in sustainable agriculture and food security
- Integration of IoT and sensor networks in environmental data collection
- Handling big data in marketing
- Big data processing for sustainable transports

Guest Editors

Dr. Marian Pompiliu Cristescu

Dr. Amelia Bădică

Dr. Raluca-Andreea Nerișanu

Deadline for manuscript submissions

10 January 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/233949

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)