

Special Issue

Sustainable Monitoring Systems for Building and Industrial Sectors: Energy Efficiency, Indoor Air Quality, and Thermal Comfort

Message from the Guest Editors

This Special Issue focuses on sustainable monitoring systems that use emerging technologies to enhance performance and well-being within the building and industrial sectors, including enclosed spaces like public buildings, schools, residential buildings, chemical laboratories, and underground mining. This Special Issue further emphasizes three interconnected pillars of modern sustainability practice—energy efficiency, indoor air quality (IAQ), and thermal comfort—highlighting innovative monitoring frameworks, smart sensing technologies, data-driven decision-making tools, and integrated approaches that address environmental performance, hazard prevention, and human health.

The scope of this Special Issue covers, but is not limited to, the following:

Energy monitoring and optimization; Indoor air quality monitoring; Thermal comfort assessment; Cross-cutting technologies; and application contexts of the above.

We aim to provide a platform for interdisciplinary research that advances practical and scalable monitoring solutions and support the transition towards sustainable, resilient, and occupant-centered environments in both the building and industrial sectors.

Guest Editors

Dr. Jorge Loy-Benitez

Department of Earth Resources and Environmental Engineering,
Hanyang University, 222 Wangsimni-ro, Seongdong-gu, Seoul 04763,
Republic of Korea

Dr. Shahzeb Tariq

Department of Biological and Environmental Science, Dongguk
University, 32 Dongguk-ro, Ilsandong-gu, Goyang, Gyeonggi-do,
Republic of Korea



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/257752

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)