



Improving the Sustainability of Water Infrastructures towards a Net-Zero Status

Guest Editors:

Dr. Mohsen Besharat

Dr. Modesto Pérez-Sánchez

Dr. Mariana Simão

**Dr. Óscar E. Coronado-
Hernández**

Deadline for manuscript
submissions:
closed (31 January 2023)

Message from the Guest Editors

Climate change issues have highlighted the need for new approaches in most sectors by considering environmental sustainability, economic development, and energy systems, favoring solutions which not only maximize the short-term benefits of infrastructure investments but also accelerate the transition towards net-zero technologies. Sustainability in infrastructures is the act of creating a reliable infrastructure that can be managed and maintained in accordance with users' needs and without harmful environmental impacts. Humanity is at a very delicate historical point, where moving in the right direction will guarantee a sustainable planet for future generations. Water infrastructures are unsustainable in their current forms due to notable energy consumption and greenhouse gas emissions involved in different processes.

In this context, this Special Issue is seeking scientific contributions that can introduce new methods and technologies to achieve more sustainable water infrastructures with less carbon emission consequences. We are looking for solutions at different levels, such as management strategies or new alternative and novel technologies.





an Open Access Journal by MDPI

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

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.

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](#), [CAPus](#) / [SciFinder](#), and [other databases](#).

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

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)