

Special Issue

Life Cycle and Risk Assessment for Water and Wastewater Infrastructure

Message from the Guest Editor

Access to adequate water and sanitation services is basic human right and vital to human health. However, much of the global population is living without adequate access to water and wastewater infrastructure.

Meanwhile, the existing water and wastewater systems are facing a number of challenges such as climate change, aging infrastructure, financial shortfall, and difficulty in meeting increasingly stringent water quality goals. This Special Issue requests studies on theory development, method advancement and applications, and associated reviews/case studies in the areas of life cycle and risk assessment for water and wastewater infrastructure. The complementary topics include but are not limited to the following:

- System theories for assessing the sustainability and resilience of and equity in water and wastewater infrastructure;
- Life cycle assessment methods and case studies of water and wastewater infrastructure;
- Health risk assessment methods and case studies of water and wastewater infrastructure;
- Climate impacts, vulnerability, adaptability and resilience of water and wastewater infrastructure.

Guest Editor

Dr. Xiaobo Xue Romeiko

Department of Environmental Health Sciences, University of Albany, State University of New York, Albany, NY 12222, USA

Deadline for manuscript submissions

25 April 2025



Environments

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 5.7



mdpi.com/si/214657

Environments
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
environments@mdpi.com

[mdpi.com/journal/
environments](https://mdpi.com/journal/environments)





Environments

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 5.7



[mdpi.com/journal/
environments](https://mdpi.com/journal/environments)



About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and Technology, Parthenope University of Naples, Centro Direzionale, Isola C4, 80143 Napoli, Italy
2. State Key Joint Laboratory of Environment Simulation and Pollution Control, School of Environment, Beijing Normal University, No. 19 Xijiekouwai Street, Beijing 100875, China

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), PubAg, AGRIS, GeoRef, and other databases.

Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.7 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the first half of 2024).