

Special Issue

Sustainable Urban Water Management: The Role of Nature-Based Solutions

Message from the Guest Editors

This Special Issue explores how NbS can address urban water challenges by integrating natural systems into city infrastructure. NbS, such as green roofs, permeable pavements, wetlands, urban forests, etc., help regulate water flow, improve water quality, and restore ecosystems. They also offer cost-effective, adaptive strategies to cope with climate variability, supporting long-term resilience and providing effective interventions to protect, manage, and/or restore natural or modified systems, including cities, rivers, watersheds, and coastlines. We invite original research and reviews to inspire dialogue, collaboration, and innovation across sectors, encouraging cities to adopt nature-based approaches in their water management strategies.[...] For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/941JCE0VQ5

Guest Editors

Prof. Dr. Nitin Muttil

1. School of Advanced Engineering, UPES, Dehradun 248007, India
2. College of Engineering and Science, Victoria University, Melbourne, QLD 8001, Australia

Prof. Dr. Upaka Rathnayake

Department of Civil Engineering and Construction, Faculty of Engineering and Design, Atlantic Technological University, F91 YW50 Sligo, Ireland

Deadline for manuscript submissions

closed (31 March 2026)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/si/235990](https://www.mdpi.com/si/235990)

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

[mdpi.com/journal/
water](https://www.mdpi.com/journal/water)





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



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



About the Journal

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)