



water

an Open Access Journal by MDPI



Spatial Analysis of Flooding Phenomena in Urban Environments: Challenges and Case Studies

Guest Editor:

Dr. Salvador García-Ayllón

Center for Real Estate,
Massachusetts Institute of
Technology, 77 Massachusetts
Avenue, Cambridge, MA, USA

Deadline for manuscript
submissions:

30 June 2024

Message from the Guest Editor

This special issue seeks contributions involving innovative methodological approaches or relevant case studies regarding topics such as:

- Climate change and its flooding derivatives
- New GIS frameworks for urban flooding analysis
- Strategies for mitigating flooding effects through land use policies and management
- Risk analysis derived from human anthropization of territory
- Regulatory spatial applications aimed at integrating different knowledge of flooding
- Correlation between unbalanced urban planning and flooding vulnerability
- Advances in DSM and DTM modeling of flooding in urban areas
- Etc.

Innovative methodologies, frameworks, or significant results from relevant case studies related to all these topics are welcome, but similar ones may also be considered for publication if they fit within the scope of this Special Issue.



mdpi.com/si/151979

Special Issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology
and Environment, Centre
National de la Recherche
Scientifique (CNRS), University of
Toulouse, Campus ENSAT,
Auzeville Tolosane, France

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.

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 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)