Special Issue

Climate Change Impacts on Urban Watershed Hydrology and Water Resources

Message from the Guest Editor

Climate change poses a potential threat by exacerbating precipitation patterns and hydrological extremes and many regions face extreme events such as droughts and floods. While the impact of climate change on water resources has been extensively documented, its specific effects on urban hydrology and interactions with water resources remain less studied. This Special Issue aims to publish high-quality studies investigating the impact of climatic factors on hydrological regimes and water resources within urban watersheds and considers changes in surface runoff. groundwater storage, and the function of water infrastructure based on current trends and future projections. Contributions may include methodology development, literature reviews, models, applied analyses, and case studies related to climate change impacts. Topics of interest include, but are not limited to, urban water management, stormwater systems, flood modeling, integrated water resource management, nature-based solutions, climate change adaptation and mitigation, urban water availability, water quality, urban green infrastructure, and Al applications.

Guest Editor

Dr. Abbas Roozbahani

Faculty of Science and Technology, Norwegian University of Life Sciences (NMBU), 1432 Ås, Norway

Deadline for manuscript submissions

6 February 2026



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/206051

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

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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)

