Special Issue

Application of AI and UAV Techniques in Urban Water Science

Message from the Guest Editors

Artificial Intelligence (AI) and Unmanned Aerial Vehicles (UAV) are two most popular techniques in many sectors including urban water science. With global climate change and human activities such as urbanization, urban climate and hydrology are changing along with raises of water quality and ecology problems. Accurate real time track and forecast of urban floods, droughts and water quality/ecology are of significance for sustainable development in urbanized areas. Compared to traditional methods/techniques, AI and UAV can provide real time and/or near real time information of urban water-related issues with higher accuracy in most cases, providing new tools for urban water management. In this special issue, we welcome papers focusing on AI and/or UAV with applications to urban water-related problems like floods and water quality as described above. Both general methodological contributions and case studies on AI and UAV covering different regions are welcome.

Guest Editors

Prof. Dr. Zhaoli Wang

Prof. Dr. Yaolong Zhao

Dr. Weilin Liao

Deadline for manuscript submissions

closed (15 June 2023)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/117210

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

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

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)

MDPI