



GIS in Water Resource Management: Allocation, Contamination, and Ecosystem

Guest Editors:

Dr. Gang Liu

Prof. Dr. Zhisong Chen

Dr. Li Gao

Dr. Junyu Chen

Deadline for manuscript
submissions:
closed (31 March 2023)

Message from the Guest Editors

Dear Colleagues,

The aim of this special issue is to integrate the latest progress and achievements of theories, methods and techniques of GIS that is applied in water resource management.

- GIS-based monitoring and disposal of water resources management
- GIS based innovation of water pollution treatment technology
- GIS-based temporal and spatial evolution of water resources management
- GIS-based resources & environmental impact assessment of water resources management
- GIS-based socio-economic impact analysis of water resources management
- GIS-based conflict analysis of water resources management
- GIS-based non-/cooperative governance policies of water resources management
- GIS-based non-/cooperative management mechanisms of water resources management
- GIS-based assessment and optimization of water ecosystem services
- GIS-based planning and governance of ecological spatial pattern
- GIS-based construction and operation of ecological compensation mechanism
- Various GIS-based case studies





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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. *Sustainability* publishes original research articles, review 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.

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, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI