

## The Use of GIS and Soft Computing Methods in Water Resource Planning

Guest Editors:

**Dr. Paraskevas Tsangaratos**

Department of Geological  
Studies, School of Mining and  
Metallurgical Engineering,  
National University of Athens,  
15780 Athens, Greece

**Dr. Ioanna Ilia**

Department of Geological  
Studies, School of Mining and  
Metallurgical Engineering,  
National University of Athens,  
15780 Athens, Greece

**Mr. Haoyuan Hong**

Department of Geography and  
Regional Research, University of  
Vienna, 1010 Vienna, Austria

Deadline for manuscript  
submissions:

**closed (30 April 2021)**

### Message from the Guest Editors

Dear Colleagues,

SC methods have been acknowledged as advanced methods capable of discovering hidden and unknown patterns and trends from large databases, whereas GIS is presently the main and most important technology for spatial and temporal data manipulation and advanced modeling. The implementation of SC methods and GIS have contributed to the identification and evaluation of potential solutions related to water resource problems, providing knowledge essential to water resources management plans.

This Special Issue aims to provide an outlet for peer-reviewed publications that implement state-of-the-art methods and techniques incorporating SC methods and GIS to map, monitor, evaluate, and assess water resources. This Special Issue aims to cover, without being limited to, the following areas: (a) hydrologic and hydrogeological modeling of surface water, (b) groundwater monitoring, (c) groundwater spring potential mapping, (d) water supply and sewer systems modeling, (e) source pollution modeling, (f) stormwater control, and (g) flood susceptibility mapping and floods disaster management.



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Wolfgang Kainz**

Cartography and Geographic  
Information Science, Department  
of Geography and Regional  
Research, University of Vienna,  
Universitätsstr. 7, A-1010 Vienna,  
Austria

## Message from the Editor-in-Chief

The *ISPRS International Journal of Geo-Information* invites you to submit research articles, reviews, and reports covering topics of the whole domain of geo-information. Although the journal was only founded in 2012, it has already achieved wide recognition in the scientific community. We are proud that since April 2015, our journal is indexed by the SCIE of the Web of Science. As Editor-in-Chief, I encourage you to consider *IJGI* for your scientific papers and would be pleased to welcome you as authors.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [GeoRef](#), [PubAg](#), [dblp](#), [Astrophysics Data System](#), [Inspec](#), and [other databases](#).

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

## Contact Us

---

*ISPRS International Journal of Geo-Information* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/ijgi](http://mdpi.com/journal/ijgi)  
[ijgi@mdpi.com](mailto:ijgi@mdpi.com)  
[X@ISPRS\\_IJGI](https://twitter.com/ISPRS_IJGI)