

Special Issue

Advances in GIS Hydrological Modeling

Message from the Guest Editor

The twenty-first century brings with it significant challenges for managing our freshwater resources. This Special Issue brings together papers from a wide variety of GIS modeling specialists from traditional GIS modelers to big geo-data analysts, from remote sensors to field data collectors. The papers, while focusing on GIS modeling of hydrological settings, deal with a considerable range of related topics. Encouraged are papers regarding new algorithms, or those demonstrating unique applications and shore interactions, those dealing with issues of data sparsity, others with data overload, papers focusing on anthropogenic cause-and-effect relationships, and others looking at modeling the impacts of climate change on surface and groundwater. Reviews of research to date on the aforementioned topics are welcome, as are cutting-edge model implementation. Evaluation of new remote sensing technologies and combinations of sensing technologies for GIS hydrological modeling are welcome as well. Comparative analyses of different software and/or different algorithms, especially those linked with ground verification, are encouraged for submission to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2022)



ISPRS International Journal of Geo-Information

an Open Access Journal
Published by MDPI

Impact Factor 2.8
CiteScore 7.2



mdpi.com/si/52990

ISPRS International Journal of Geo-Information
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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 *IJG* for your scientific papers and would be pleased to welcome you as authors.

Editor-in-Chief

Prof. Dr. Wolfgang Kainz

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