

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

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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.





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Message from the Editor-in-Chief

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