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Remote Sensing and GIS Applications on Groundwater Research

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Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editor

Groundwater is one of the most important natural resources because, in many regions, it is the main source of water supply, essential for human activities, economic development, and environmental conservation. Groundwater has several relevant advantages compared with surface water: it is less affected by evaporation, is available over large regions, and normally is of higher quality and more protected from possible pollution.

This Special Issue of *Sensors* will present the latest advances in the application of remote sensing and GIS data analysis in the field of groundwater research and management.

We invite contributions that address every aspect of remote sensing and GIS related to the following research issues:

- Hidrogeological mapping
- Soil moisture monitoring
- Assessment of natural and artificial groundwater recharge
- Submarine groundwater discharge (SGD) evaluation
- Assessment of groundwater use in irrigated agriculture
- Groundwater–surface water interaction
- GIS-based groundwater management



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Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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