Special Issue

Green and Non-Invasive Technology for Sustainable Development of Groundwater and Geohydrology

Message from the Guest Editor

The sustainable management of groundwater resources and subsurface environments is a critical global challenge, especially in the face of increasing water demand, climate change, and land-use pressures. Traditional exploration and monitoring techniques often involve invasive and resource-intensive approaches that may not align with sustainability goals. In this context, the development and application of green, non-invasive technologies offer a promising alternative. These methods, particularly geophysical, remote, and hydrogeophysical tools, allow for the efficient, cost-effective, and environmentally sensitive exploration of subsurface conditions. This Special Issue aims to highlight cutting-edge research and review studies that focus on the design, application, and advancement of green, non-invasive technologies for the sustainable development of groundwater systems and geohydrology. We invite contributions that explore both the theoretical and applied aspects of these technologies across various contexts, such as environmental monitoring, water resource management, and geotechnical engineering.

Guest Editor

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Deadline for manuscript submissions

15 December 2025

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/237502

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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.

Editor-in-Chief

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