



Hydrology, Geochemistry and Water Resource Management

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Message from the Guest Editors

Dear Colleagues,

Water resources are crucial for the survival of all living beings on earth and play an essential role in any country's economic development. At present, natural, climatic and several anthropogenic activities (i.e., mining, rapid urbanization, industrial and domestic waste disposal, agriculture practice, sewage and effluent discharge, overexploitation of groundwater, etc.) are responsible for water depletion and contamination across the globe. Therefore, awareness, regular water monitoring, geochemical assessment, contamination identification and appropriate treatment, vulnerability mapping, artificial recharging, coastal aquifer protection, and new technologies are required for water resources management. Thus, the current Special Issue is going to cover areas of the water crisis and management, such as:

- Renewable energies to manage water scarcity;
- Appropriate and cost-effective treatment methods;
- Planning of public infrastructure to water issues;
- Hydrogeochemistry and source of contamination identification;
- Climate change, water shortage and economy;
- Aquifer vulnerability and contaminant transport modelling;
- Role of remote sensing and GIS.





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Message from the Editor-in-Chief

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