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Groundwater Vulnerability to Pollution Assessment

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Deadline for manuscript submissions:
closed (10 March 2022)

Message from the Guest Editors

We want to invite you to participate in this Special Issue, which will focus on the study and application of the Groundwater Vulnerability and Risk to Pollution assessment and mapping.

Coastal and inland porous, karst and fissured carbonate rock aquifers are threatened by the groundwater pollution of intense anthropogenic activities. Agriculture, industry and urbanization result to be the human pressures, responsible for the evident change in the groundwater quality. This trend is expected to continue in the future, due to increased unplanned of the anthropogenic activities and water exploitation also under the climatic change impacts. The assessement and mapping of the aquifer vulnerability to pollution and related risk has been recognized from the scientific community as the most significant prevention tools for groundwater protection and management strategies.

This special issue aims to collect original contributions related to the application of the various methods and models for Groundwater Vulnerability to pollution assessment related to the Groundwater quality, the prevention of the Pollution risk, the Sustainable groundwater management and the Climate change effects.

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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Journal Rank: JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

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