Special Issue

Natural Background Levels in Groundwater

Message from the Guest Editors

High levels of inorganic compounds in groundwater represent a significant problem in many parts of the world, with important economic, social, and environmental drawbacks. Natural groundwater composition mainly derives from water–rock interactions, both in vadose and saturated zones, but depends also on biological processes, residence time, and the initial composition of recharge water. This Special Issue aims to update the knowledge on methods and approaches used to derive NBLs, from site-specific to catchement-wide or regional scale. We welcome the submission of papers reporting the development of innovative methods to determine the NBL and new criteria for a correct evaluation of anthropogenic impacts on groundwater quality, including conceptual model definition, monitoring strategies, geochemical modelling, and statistical and spatial analysis of geochemical data. The final goal is a Special Issue bringing together new insights on how the NBL is dealt with, from different regions of the world. For further reading, please visit the **Special Issue Website**.

Guest Editors

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST
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