



Emerging contaminants (ECs) in Groundwater

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Message from the Guest Editor

Groundwater contamination results from widely diverse human activities. Emerging contaminants (ECs) referred to compounds previously not considered or known to be significant to groundwater (in terms of distribution and/or concentration) which are now being more widely detected.

Most emerging pollutants are not regulated in environmental, water quality and wastewater discharge regulations. Hence, this special issue is aiming at understanding which are the relevant compounds that can be found in the aqueous environment, which are or could have the potential to become emerging contaminants and the pathway by which it travels from the source, e.g. fracture flow through an aquifer. This will allow the determination of the environmental occurrence of these potential contaminants, the characterisation of their sources and pathways that determine release to the aqueous environment and definition and quantification of the processes that determine their transport and fate through the environment.





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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

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