



Geochemical Environmental Monitoring

Guest Editor:

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Message from the Guest Editor

Geochemical environmental monitoring is living through an explosive uprising with respect to importance and potentiality. Unfortunately, these high potential tools are often completely unknown by law and environmental control agencies. The classical chemical interpretation, based on both the analysis of a large number of substances in different geo-environmental matrices, and the comparison of analytical data with maximum admissible concentrations, represents a necessary and preliminary step. However, it is not enough to assess contamination sources. Fingerprinting techniques integrating chemical and isotopic data have to be applied, together with geochemical and biogeochemical modeling, to highlight active processes and to establish the provenance of polluting substances. This Special Issue solicits contributions on geochemical environmental monitoring studies of different environmental matrices (air, soil and water) focus on fingerprinting of the source of contaminant, and methodology and techniques to follow the path and the fate of the pollution events.





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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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