

Special Issue

The Isotope Geochemistry of Environmental Contaminants: Analytical Techniques and Historical Records

Message from the Guest Editors

Environmental contaminants, in all reservoirs and in all forms, have been proven to affect the Earth's climate and ecosystems, as well as human health. Isotope geochemistry has demonstrated its added value, when combined with other classical chemical approaches, for both identifying the sources and characterizing the processes that control the budget of various environmental contaminants. The isotope approaches are based on the fact that isotope ratios/compositions usually discriminate emission sources of distinct origins and are modified by processes in the environment. In this [Special Issue](#), we aim to knowledge on the application of isotope geochemistry (including measurements of radioactive and stable isotope ratios of trace elements and organic components) in environmental research by welcoming original contributions on studies developing applications in contaminant characterization, pollution, and environmental changes, as well as modelling or empirical studies aimed at improving our mechanistic understanding of short- and long-term variations in global systems. Submission of inter- and multidisciplinary original research and review papers is also encouraged.

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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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