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Environmental Geochemistry: Earth Surface Processes and Measurement Uncertainty

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Message from the Guest Editors

In this Special Issue, we would like to focus on the geochemical behavior of potentially harmful elements in different environments and the quantification of measurement uncertainty. The surface environment, closest to man, has dominant importance. The mobility and speciation of chemical elements is central to many of the feedbacks that connect geochemical, biological, and geological processes at Earth's surface. Redistribution of chemical elements in the surface environment results in lower concentrations and therefore demands sophisticated measurement methodologies for quantification. The estimation of the true values of analyte concentration plays a significant role. Within this frame we welcome contributions that focus on the components of elemental mobility and speciation as well as methodologies for studying such phenomena in field, laboratory and modelling studies and across spatial scales. We are interested in research addressing the assessment of reactivity, bioaccessibility and biological availability of contaminants as well as the remediation of contaminated land with reference to measurement uncertainty, a horizontal theme that applies in all research topics.

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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 coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

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