

## Special Issue

# Geochemistry of Contaminated Soils and Sediments

### Message from the Guest Editor

Soils and sediments act as critical environmental matrices, influencing ecosystems' health, agricultural productivity, and water quality. Contamination of these media by heavy metals, persistent organic pollutants, and emerging contaminants has been intensified due to industrialization, urbanization, and agricultural intensification. This Special Issue seeks to compile cutting-edge research that will enhance our understanding of geochemical processes governing contaminants, their distribution, and fate in soils and sediments.

Understanding the geochemical foundations of soil and sediment contamination is essential for developing effective remediation strategies and mitigating environmental and human health risks. This Special Issue aims to bridge the gap between fundamental geochemical research and practical applications in contamination management.

Authors are encouraged to submit manuscripts that present novel findings, methodological advancements, or comprehensive reviews aligning with the themes of this Special Issue. All submissions will undergo a rigorous peer review process to ensure that only high-quality contributions are published.

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### Guest Editor

Dr. Carla Candeias

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### Deadline for manuscript submissions

20 October 2025



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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