

## Special Issue

# Innovative Approaches to the Treatment of Contaminants in Soil and Water

### Message from the Guest Editors

The growing variety of consumer goods increases the complexity of contaminants in the environment. Beyond traditional pollutants (e.g., heavy metals, nutrients, pathogens), emerging substances (e.g., PFAS, microplastics, endocrine disruptors) and elements under stricter regulations (e.g., arsenic, vanadium) pose new challenges for soil and water quality. Addressing these requires more efficient treatment technologies that reduce chemical and energy use, enable water reuse, and minimize residual waste. This Special Issue invites original research and reviews on innovative or improved methods for removing organic, inorganic, and microbiological pollutants from soil and water, considering both pollutant and treatment impacts. Topics include:

- Coagulation–flocculation and electrocoagulation improvements;
- Waste-derived adsorbents (e.g., biochar);
- Filtration and membrane technologies;
- Advanced oxidation and reduction processes;
- Biological and hybrid treatments;
- In *situ* remediation and field-scale applications.

Submissions emphasizing resource efficiency, sustainability, reusability, and integrative approaches to regulatory and environmental goals are especially welcome.

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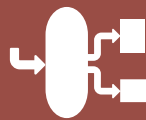
### Guest Editors

Dr. Jorge M. Meichtry  
Prof. Dr. Fernando S. García Einschlag  
Prof. Dr. Christophe Colbeau-Justin

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### Deadline for manuscript submissions

31 August 2026



## Processes

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto:processes@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto  
Department of Drug Science and Technology, University of Turin, Via P.  
Giuria 9, 10125 Turin, Italy

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