

## Special Issue

# Treatment and Restoration of Heavy Metal Pollution in Soil and Water: From the Ecological and Sustainable Perspectives

### Message from the Guest Editor

Heavy metal contamination of soils and water poses persistent threats to ecosystems, public health, and agricultural productivity. This Special Issue, 'Treatment and Restoration of Heavy Metal Pollution in Soil and Water: From the Ecological and Sustainable Perspectives,' emphasizes integrated remediation approaches that blend ecological restoration with sustainable development. It encompasses phytoremediation, microbial-assisted remediation, soil amendments, physicochemical treatments, and hybrid strategies designed to reduce toxicity, promote ecosystem recovery, and facilitate resource reuse. Aligned with *Pollutants'* mission, this issue will deliver actionable insights for policymakers, environmental managers, and researchers, promoting resilient, cost-effective, and ecosystem-aligned remediation practices for long-term environmental stewardship. We welcome submissions on topics including but not limited to:

- heavy metal remediation
- phytoremediation
- microbial-assisted restoration
- soil and water sustainability
- ecological remediation strategies
- life cycle assessment
- toxicity reduction techniques
- ecosystem recovery
- sustainable remediation metrics
- hybrid treatment methods

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### Guest Editor

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### Deadline for manuscript submissions

30 September 2026



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## About the Journal

### Message from the Editor-in-Chief

*Pollutants* is a multidisciplinary, peer-reviewed, open-access journal of all aspects of environmental pollution published quarterly online by MDPI. It covers Environmental Sciences and Engineering, Environmental Systems, Water Resources, Environmental Economics and Policy, Environmental Health, etc. It publishes reviews, research articles, communications, and technical notes. Papers taking a holistic approach among multiple temporal and spatial scales are especially welcome.

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### Editor-in-Chief

Dr. Paolo Pastorino

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