

Editorial

Introducing the New Journal *Environmental Remediation*: Challenges and Prospects

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Environmental remediation plays a pivotal role in cleaning up polluted sites, reducing future pollution, and restoring ecosystem health, creating a cleaner, safer environment for both humans and wildlife. Environmental pollution remains a pressing global issue, and its impacts are being felt across the world in various ways. Environmental pollution, such as water, air, and soil pollution, drives climate change, negative health impacts, biodiversity loss, and other negative effects for humankind. We need to take actions to avoid it becoming irreversible for future generations.

We hope that this journal will be a platform for researchers around the world to deliver their latest findings and results. We encourage scientists and engineers to publish research related to the removal, treatment, and management of pollutants, and restoration theories and technologies in various environmental compartments.

Below, we introduce the detailed topics that our journal hopes to incorporate:

- Air, soil, and water pollution and treatment—monitoring and assessment; protection against pollution; treatment of pollutants; pollution source control.
- Wastewater management and treatment—treatment technology; fate and transport of pollutants during wastewater treatment; sludge treatment and disposal; wastewater reuse and resource utilization.
- Ecological restoration, ecological remediation, and phytoremediation—restoration technology; restoration strategy; remediation methods; restoration assessment.
- Physical, chemical, biological, thermal, and emerging methods in environmental remediation technologies—advance treatment; bioremediation; biomanipulation; habitat restoration; hydraulic control.
- Environmental management and governance—remediation policy and regulations; ecosystem services; biodiversity conservation; sustainable resource management; low-carbon development; climate change mitigation.
- Environmental modeling and monitoring: predictive tools, sensor technologies, and long-term performance evaluation—environmental monitoring; monitoring technologies; model development; model prediction; artificial intelligence.

As the Editor-in-Chief of this journal, I appreciate the suggestions from scholars to launch this new journal. It will not be possible without your involvement, as well as support from the publisher and the founding Editorial Board Members of this journal. I genuinely hope that scholars, policymakers, and other stakeholders all over the world will contribute to our journal, *Environmental Remediation*.



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