

Special Issue

Removal of Environmental Pollutants and Bioremediation Strategies

Message from the Guest Editors

This Special Issue invites original research and reviews addressing the complex behaviors of pollutants in soil, water, and air systems, and innovative bioremediation strategies leveraging microorganisms, plants, or enzymes. We seek studies on the following:

- **Pollutant dynamics:** Bioaccumulation, persistence, degradation pathways, and interactions with environmental matrices.
- **Advanced bioremediation:** Genetic engineering of microbial consortia, phytoremediation enhancements, and enzyme-based degradation.
- **Synergistic technologies:** Integration of bioremediation with nanotechnology, electrokinetics, or AI-driven monitoring.
- **Ecotoxicological impacts:** Long-term effects on biodiversity and ecosystem resilience.

Therefore, it is my pleasure to invite you to contribute your research article, communication, or review that advances the science and practical deployment of these green technologies for a cleaner, safer planet.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

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