

Special Issue

Advances in Water, Air and Soil Pollution Monitoring, Modeling and Restoration, 2nd Edition

Message from the Guest Editors

Recent advances in environmental science have introduced innovative tools and approaches for tracking pollution dynamics, modeling their dispersion and impact, and designing more effective mitigation and restoration strategies. These include high-resolution monitoring techniques, computational modeling of pollutant behavior, and biotechnological solutions that harness the potential of microorganisms for degradation and detoxification. Yet, significant knowledge gaps remain, particularly in understanding cumulative impacts, cross-compartment pollution transfer, and the societal implications of environmental quality decline. The aim of this Special Issue is to provide a platform for cutting-edge research that addresses these challenges. We invite contributions that advance methodologies for monitoring and modeling pollution in air, water, and soil, as well as studies that propose innovative restoration or mitigation strategies. By bringing together diverse perspectives, this collection seeks to deepen our understanding of pollution processes, assess their risks, and highlight practical solutions that support ecosystem resilience and safeguard human well-being.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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