

Special Issue

Sustainable Ecosystem Protection: Pollution Stress in the Ecosystem and Potential Solutions

Message from the Guest Editor

Anthropogenic chemical stressors, including persistent organic pollutants (POPs), pesticides, and drug residues, pose significant threats to ecosystems. These pollutants, originating from industrial, agricultural, and urban activities, can accumulate in sediments and organisms, leading to long-term ecological impacts. This Special Issue aims to gather interdisciplinary research focused on the assessing and managing of chemical stress in the natural environment. We invite contributions that explore the mechanisms of contaminant transport and accumulation, the use of passive sampling techniques, and the application of chemical activity concepts to assess bioavailability and toxicity. Studies on the impact of contaminant mixtures on organisms, the role of organic matter in pollutant dynamics, and innovative remediation approaches are particularly welcome. Submissions may also focus on risk assessment methodologies that support the sustainable management of ecosystems. We encourage original research articles, reviews, and case studies that provide insights into the complex interactions between chemical pollutants and environments.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2026)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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