

Special Issue

Green Toxicology for Sustainable Chemistry

Message from the Guest Editor

Several serious challenges have faced us over the last few years, including the development and preparation of new materials and chemicals for market entry, as well as various kinds of pollution. A paradigm shift was clearly needed, which focuses largely on avoidance of the use of toxic and/or hazardous substances. Thus, green toxicology makes marketing stronger, prevents dangerous setbacks, and produces less hazardous chemicals and substances. The Special Issue will publish papers discussing developments in the remediation of environmental pollutants through silico toxicology, silico environmental chemical science, sustainable chemistry for chemical synthesis, machine learning based on biological early warning systems. The topics are defined by the keywords below:

- silico toxicology;
- silico environmental chemical science;
- biocatalysis in sustainable chemistry;
- sustainable chemistry;
- metrics of green chemistry and sustainability;
- green chemistry for chemical and nanoparticle synthesis;
- green chemical multi-component one-pot synthesis;
- green photochemistry;
- biological early warning systems.

Guest Editor

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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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