

## Special Issue

# Insights into the Biology of Plants Affected by Toxic Chemicals

### Message from the Guest Editor

Numerous of the existing ecosystems are currently polluted by some kind of toxic chemicals, which affect plant growth and yield, and, the entrance of these toxic chemicals into the food chain is almost unavoidable.

Phytoremediation techniques that incorporate new plant growth regulators are powerful and promising potential options for the remediation of these contaminated sites, either for the complete removal of these chemicals or to reduce their toxicity. In this regard, we welcome novel insights, fundamental research, and analyses about the effects of toxic chemicals on plants for this Special Issue. Toxic chemicals include all xenobiotics, i.e., heavy metals, polyaromatic hydrocarbons, and other emerging toxic chemicals, in environmental matrices. We aim to collect papers delineating the "Toxic State" by investigating the molecular and cellular responses of plants exposed to environmental chemicals and stressors. Meanwhile, plants' responses to these toxic chemicals and strategies to overcome the negative effects of these chemicals are also of interest.

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### Guest Editor

Prof. Dr. Xiao-Zhang Yu

College of Environmental Science & Engineering, Guilin University of Technology, Guilin 541004, China

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### Deadline for manuscript submissions

closed (22 November 2024)



## Toxics

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*Toxics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[toxics@mdpi.com](mailto:toxics@mdpi.com)

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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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### Editor-in-Chief

Dr. Demetrio Raldúa  
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18,  
08034 Barcelona, Spain

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indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Toxicology) / CiteScore - Q1 (Chemical Health and Safety)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).