

## Special Issue

# Impacts of Agrochemicals: Environmental Fate, Ecotoxicology, Risk Assessment, and Remediation

### Message from the Guest Editors

The widespread application of plant protection products worldwide releases various pesticides into the environment. In many countries, various persistent and bioaccumulative active ingredients have been banned; however, due to their physico-chemical properties, they are detectable in our environment. Global warming results in the shift of climatic zones, and thus the distribution of pests and diseases can change worldwide. As a result, in certain climatic zones, new species can occur. Many new substances have been developed; however, today, we lack sufficient knowledge about their possible risks and adverse effects on the environment and humans. Overall, intensive pesticide application results in several negative environmental effects that cannot be ignored. In some cases, pesticides can be applied directly onto water surfaces, e.g., to control mosquitoes. Water contamination depends mainly on the nature of pesticides (water solubility and hydrophobicity), soil properties, weather conditions, landscape, and the distance from an application site to a water source. Rapid transport to groundwater may be caused by heavy rainfall shortly after applying the pesticide on wet soils.

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### Guest Editors

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Dr. Mária Mörtl

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### Deadline for manuscript submissions

closed (31 January 2024)



## Toxics

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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

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