

## Special Issue

# Pesticide Risk Assessment, Emerging and Re-Emerging Problems

### Message from the Guest Editors

Rural populations all over the world face several hazards in their daily lives and working activities. Among them, particular attention must be addressed at pesticides: these compounds must necessarily be toxic because they are used for controlling undesired living species, and, differing from other chemicals, must be spread in the environment in order to reach their targets. Since their toxicity is not specific for the target organisms, their use can endanger different living species, including humans. In this light, risk assessment of pesticide use is fundamental, but new challenges are appearing in this field: the pesticide market is quickly changing and new compounds are being introduced into the market, so a sound risk assessment for these compounds must be organized. Developed and industrialized countries have very structured systems for pesticide authorization, but similar systems are not affordable for developing and in-transition countries, which must rely on their own capacities or assessments performed out of their borders. Moreover, due to economic problems, obsolete pesticides are still marketed in these countries, bringing about specific risks.

### Guest Editors

Dr. Claudio Colosio

Department of Health Sciences, University of Milan, International Centre for Rural Health of the Santi Paolo e Carlo ASST of Milan, 20142 Milano, Italy

Dr. Federico Maria Rubino

Analytical Toxicology and Metabonomics Laboratory, Department of Health Sciences, Faculty of Medicine of Università degli Studi di Milano at Ospedale San Paolo, 20142 Milan, Italy

### Deadline for manuscript submissions

closed (18 July 2025)



## Toxics

an Open Access Journal  
by MDPI

Impact Factor 4.1  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/176360](https://mdpi.com/si/176360)

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

[mdpi.com/journal/](https://mdpi.com/journal/)

[toxics](https://toxics.mdpi.com)





# Toxics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/journal/  
toxics](https://mdpi.com/journal/toxics)



## 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.

---

### Editor-in-Chief

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

---

### Author Benefits

#### High Visibility:

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 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).