

## Special Issue

# Effects of Co-Exposure of Pollutants on Animal Models

### Message from the Guest Editor

The effects of single pollutants have been extensively studied in most models and wild organisms. In contrast, the effects of co-exposure to multiple contaminants remain rather unexplored. Real-world scenarios involve complex interactions of synergistic, antagonistic, or additive effects that complicate toxicity prediction.

In this Special Issue, we invite contributions dealing with realistic exposure scenarios to improve risk assessment frameworks and focus on regulatory policies in real environmental contexts. Diverse methodological approaches are encouraged to provide novel insights into mechanistic pathways and adaptive responses. Research at the molecular level is encouraged to finely dissect the mechanisms of interference, such as alterations in gene expression, epigenetic modifications, oxidative stress responses, and signaling pathway perturbations.

Led by and assisted by Dr. Chiara Fogliano (University Federico II), by fostering a multidisciplinary approach, this Special Issue aims to bridge the gap between molecular toxicity mechanisms and ecological risk assessment, ultimately contributing to more accurate predictions of environmental hazards.

---

### Guest Editor

Dr. Chiara Maria Motta

Department of Biology, University Federico II, Via Cintia 21, 80126 Napoli, Italy

---

### Deadline for manuscript submissions

20 January 2026



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/230971](https://mdpi.com/si/230971)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

---

### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

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

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore  
- Q1 (Organic Chemistry)