

## Special Issue

# Environmental Sensitivity Illnesses: Mechanisms and Molecular Signatures

### Message from the Guest Editor

This Special Issue aims to be a state-of-the-art review of environmental sensitivity illnesses (ESI), namely, multiple chemical sensitivity, fibromyalgia, chronic fatigue syndrome, and electrohypersensitivity. Despite these pathological conditions have recently gained a great interest, due to concerns about potential health risks raised by continuously increasing daily exposure to toxic xenobiotics, i.e., chemicals, drugs, artificial food components, heavy metals, and electro-magnetic fields, a nosologic classification of ESI is still lacking in a large number of countries worldwide.

- Molecular mechanisms underlying shared and distinct features of different disorders arising from toxicant-induced loss of tolerance;
- Genetic and epigenetic alterations playing a role as risk factors;
- Distinctive alterations in the transcriptome and/or the proteome of peripheral blood cells, as well as in serum metabolome;
- Changes in gut microbioma and/or microbiota metabolites;
- Molecular tracers for neuroimaging.

### Guest Editor

Prof. Dr. Daniela Caccamo

Department of Biomedical and Dental Sciences and Morpho-Functional Imaging, University of Messina, 98125 Messina, Italy

### Deadline for manuscript submissions

closed (31 December 2019)



## International Journal of Molecular Sciences

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/24078](https://mdpi.com/si/24078)

*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)