



## Inhalation Immunotoxicology

Guest Editor:

**Dr. Ken-ichi Inoue**

Department of Nursing,  
University of Shizuoka, Shizuoka  
422-8526, Japan

Deadline for manuscript  
submissions:

**closed (30 October 2022)**

### Message from the Guest Editor

Dear Colleagues,

Inhalation immunotoxicology is a comprehensive exploration of the effects of various inhaled materials upon the immune systems. These materials may contain suspended particulate matter including diesel exhaust (DE), Kosa, and nanomaterials such as carbon particles, titanium, silica, and carbon nanotubes.

Inhaled materials frequently influence respiratory and immune systems. For instance, DE worsens allergic asthma, amplifying the Th2/Th17 immune response in the lung. However, the effects sometimes expands to extrathoracic areas. Some nanomaterials may facilitate collagen vascular diseases.

This Special Issue, “Inhalation immunotoxicology”, aims to provide a summary of the field, to explore recent advances in the effects of airborne particles/materials on several immune systems, and to discuss causal machinery. We invite authors to submit original research and review articles related to any of these aspects.





an Open Access Journal by MDPI

## 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

## 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.

## 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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI