



## Environmental Exposure, Pregnancy, and Neonatal Outcomes

Guest Editors:

**Prof. Dr. Bhagavatula Moorthy**

Department of Pediatrics, Baylor  
College of Medicine, Houston, TX  
77030, USA

**Dr. Melissa Suter**

Department of OBGYN, Baylor  
College of Medicine, Houston, TX  
77030, USA

Deadline for manuscript  
submissions:

**closed (31 May 2022)**

### Message from the Guest Editors

Humans are exposed to a myriad of environmental chemicals every day. These include polycyclic aromatic hydrocarbons, metals, volatile organics, pesticides, and industrial chemicals, PM 2.5, etc. Environmental exposures during pregnancy can lead to abnormal pregnancy and neonatal outcomes such as bronchopulmonary dysplasia and cognitive and neurodegenerative deficits. However, the molecular mechanisms underlying these effects are not well understood.

This Special Issue is focused on the impact of environmental exposure on pregnancy and neonatal outcomes, and would include original articles on aspects related to molecular mechanisms by which environmental chemicals would contribute to abnormal pregnancy and neonatal outcomes. Potential topics include, but are not limited to, the effect of different environmental classes, [volatile organic compounds] on pregnancy outcomes, maternal and neonatal microbiome, BPD, pulmonary hypertension, neurodegenerative and cognitive deficits, intracellular targets, xenobiotic metabolism, reactive oxygen species, cell death mechanisms, etc.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. José L. Quiles

Department of Physiology,  
Institute of Nutrition and Food  
Technology “Jose Mataix”,  
Biomedical Research Center,  
University of Granada, Avda.  
Conocimiento s/n, 18100 Armilla,  
Granada, Spain

## Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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 and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

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