

## Special Issue

# Mechanisms and Effects of Toxic Chemical Elements and Their Harmful Compounds on Metabolism, Endocrine and Nervous Systems of Humans

### Message from the Guest Editors

Homeostasis, a complex process of the regulation of all the functions in the human body, maintains the internal bodily environment. However, any level of deviation from the normal structural state (i.e., chemical imbalance) may (and often does) result in the development of the disease. Therefore, scientists from a wide variety of research fields determine bodily deficiencies of chemical elements, their toxicity, and exposure potential, which are accountable for the development of specific diseases in humans. This Special Issue aims to present research articles as well as critical reviews that address challenges to see and understand the role of specific toxic and potentially toxic chemical elements and their harmful compounds in the development of diseases in humans. Hopefully, this will shed more light on various roles that chemical elements play in humans, and help us to better understand the human body's susceptibility to certain disorders, especially those of the metabolic nature of the endocrine and nervous systems. Best regards,

---

### Guest Editors

Dr. Anna Błażewicz

Dr. Katarzyna Ewa Skórzyńska-Dziduszko

Dr. Jacek Baj

---

### Deadline for manuscript submissions

closed (30 September 2021)



## International Journal of Environmental Research and Public Health

---

an Open Access Journal  
by MDPI

---

CiteScore 8.5  
Indexed in PubMed



[mdpi.com/si/61240](https://mdpi.com/si/61240)

*International Journal of  
Environmental Research and  
Public Health*

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

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





# International Journal of Environmental Research and Public Health

---

an Open Access Journal  
by MDPI

---

CiteScore 8.5  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

*IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

---

### Editor-in-Chief

Prof. Dr. Paul B. Tchounwou

RCMI Center for Urban Health Disparities Research and Innovation,  
Richard N. Dixon Research Center, Morgan State University, Baltimore,  
MD 21251, USA

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q1 (Public Health, Environmental and Occupational Health)