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

Guest Editors:

**Dr. Anna Błażewicz**

Department of Analytical  
Chemistry, Medical University of  
Lublin, 20-093 Lublin, Poland

**Dr. Katarzyna Ewa  
Skórzyńska-Dziduszko**

Chair and Department of Human  
Physiology, Medical University of  
Lublin, 20-080 Lublin, Poland

**Dr. Jacek Baj**

Department of Correct Anatomy,  
Medical University of Lublin, 20-  
090 Lublin, Poland

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### **Message from the Guest Editors**

Dear Colleagues,

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,

Dr. Anna Błażewicz

Dr. Katarzyna Ewa Skórzyńska-Dziduszko

Dr. Jacek Baj

*Guest Editors*



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# **Special** Issue



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USA

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## Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for 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, open access journal.

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Environmental Research and Public  
Health* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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