

## Special Issue

# Environmental Bioaccumulation and Assessment of Toxic Elements

### Message from the Guest Editors

The buildup of toxic elements in the environment constitutes an escalating concern due to its negative impacts on the ecosystem functioning, the world's economy, and ultimately, human health. The present Special Issue aims to bring together a collection of articles on element bioaccumulation and the assessment of toxic elements in the environment. This comprehensive overview will cover a wide array of topics, namely the sources and pathways of toxic elements, their distribution and transport in distinct environmental compartments, as well as the mechanisms underlying their bioaccumulation in distinct organisms. Overall, this Special Issue's goal is to progress the knowledge of environmental bioaccumulation and the assessment of toxic elements, as well as to advance the understanding of effective strategies for the management and remediation of contaminated environments.

### Guest Editors

Dr. Cátia Alexandra Figueiredo

Interdisciplinary Centre of Marine and Environmental Research, 4050-123 Porto, Portugal

Dr. Joana Raimundo

IPMA-Portuguese Institute of Sea and Atmosphere, Division of Oceanography and Marine Environment (DIVOA), Av. Doutor Alfredo Magalhães Ramalho, 6, 1495-165 Lisboa, Portugal

### Deadline for manuscript submissions

closed (30 March 2024)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/170901](https://mdpi.com/si/170901)

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

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

[appls](https://appls.mdpi.com)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )