



*biology*



an Open Access Journal by MDPI

## Essential Trace Elements in the Human Metabolism

Guest Editor:

**Dr. José Armando L. da Silva**

Centro de Química Estrutural,  
Instituto Superior Técnico (IST),  
Universidade de Lisboa, Av.  
Rovisco Pais 1, 1049-001 Lisboa,  
Portugal

Deadline for manuscript  
submissions:

**closed (29 February 2024)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue will serve to highlight how trace elements, despite their low levels in the human body, are absolutely essential for metabolism. The proposed subject is transversal and of great interest in several areas, e.g., medicine and other areas of health, quality of life, and food production. Therefore, developments on the topic of "*Essential Trace Elements in the Human Metabolism*" have consequences in different fields.

This Special Issue aims to gather contributions from relevant researchers (including their co-authors) across the world and from different backgrounds, hence promoting richer and more diverse information to be distributed to readers. **Papers** based on experimental work or reviews are welcome to be submitted to this Special Issue.

Dr. José Armando L. da Silva  
*Guest Editor*



[mdpi.com/si/138785](https://mdpi.com/si/138785)

# Special Issue



an Open Access Journal by MDPI

## Editors-in-Chief

### **Prof. Dr. Jukka Finne**

Research Programme in  
Molecular and Integrative  
Biosciences, Faculty of Biological  
and Environmental Sciences,  
University of Helsinki, P.O. Box  
56, FI-00014 Helsinki, Finland

### **Prof. Dr. Andrés Moya**

Integrative Systems Biology  
Institute, University of Valencia  
and CSIC, 46980 Valencia, Spain

## Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

## 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, PubAg, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Biology*) / CiteScore - Q1 (*General Agricultural and Biological Sciences*)

## Contact Us

*Biology* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/biology](http://mdpi.com/journal/biology)  
[biology@mdpi.com](mailto:biology@mdpi.com)  
X@Biology\_MDPI