

Special Issue

Current Topics in Trace Element and Mineral Research

Message from the Guest Editor

In recent decades, it has become obvious that trace elements and minerals are more than just electrolytes. Nearly each of these elements now has its own scientific society to cover the multifaceted functions of these ions. In 2021 and 2022, the first two joint meetings of four of these societies aim to implement a broader view on the interaction of all these trace elements and minerals. Our current knowledge shows that trace elements and minerals are indispensable for fundamental cellular functions such as replication, mitosis, cell signaling, and cellular differentiation and have a special impact on all organ systems. Furthermore, deficiencies as well as intoxications are described for these elements. More recent research in the field is focused on exploring interactions of all these elements, aiming to establish a metallome. This Special Issue will summarize the current state of this emerging field.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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.

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