



Metabolic and Functional Disorders of Essential Metals and Vitamin D

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Message from the Guest Editors

Dear Colleagues,

Essential metals are present in human tissues and, in conditions of total absence in our organism, cause irreversible and severe damage to vital functions. Its deficiency can be normalized by the appropriate supplementation of the element.

Vitamin D is a lipid-soluble pre-hormone integral to maintaining skeletal and bone health. As a result, vitamin D deficiency has been extensively investigated concerning cardiovascular diseases, insulin resistance, respiratory diseases, cancer, viral infections, and depression, among others.

Hence, this Special Issue aims to disseminate innovative studies that discuss the metabolic and functional disorders related to the deficiency and toxicity of these micronutrients, even as the interactions between them, elucidating mechanisms and functional specificities as approaches used to prevent and attenuate metabolic disturbances and disease progression. Original articles, systematic reviews and meta-analyses, short communications, and narrative reviews that cover these themes will be welcome.

Guest Editors





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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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