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Trace Elements in Aging and Age-Related Pathologies: From Mechanisms to Dietary Interventions

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Deadline for manuscript
submissions:

closed (25 January 2024)

Message from the Guest Editor

This Special Issue aims to collect a series of original research and review articles that address the role of trace elements and minerals in aging and age-related pathologies. The manuscripts must focus on mechanisms that contribute to the maintenance of metallostasis in healthy aging, changes in metallostasis in older adults with single or multiple age-related diseases, the contribution of changes in tissue distribution of trace elements to healthspan in older adults, and changes in trace elements that could be targeted for diagnostic, preventive, or therapeutic purposes. Special emphasis will be given to articles that address these topics. Suggested potential topics may include the following: metallomics or selected trace elements in age-related pathologies; mechanisms of metallostasis failure in age-related chronic pathologies; impact of dietary habits, dietary intervention or supplementation with trace elements in aging and age-related pathologies, new therapeutic or diagnostic tools targeting trace elements; trace elements and multimorbidity; impact of epigenetic alterations on metallostasis.



mdpi.com/si/170535

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Journal Rank: JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Nutrition and Dietetics)

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