Special Issue

Zinc in Health and Disease Conditions: 2nd Edition

Message from the Guest Editor

Zinc, the second most prevalent trace element in the body, functions as a signaling molecule that regulates a variety of physiological activities. Evidence from both basic and clinical studies suggests the importance of zinc homeostasis in physiological condition and disease states. For example, zinc, via the modulation of a variety of targets, is critical for maintaining the balance between neuronal excitation and inhibition, while an imbalance between excitation and inhibition may cause seizures. However, the relationship between zinc signaling and disease states is complex, as both extracellular and intracellular zinc can produce either protective or detrimental effects. This Special Issue welcomes studies that provide functional (cellular and molecular) evidence on the involvement of zinc in physiology, pathology or pharmacology, as well as those exploring the potential of targeting biomolecules associated with zinc signaling or homeostasis as a therapeutic strategy. Original manuscripts and reviews focused on any aspects of zinc are also encouraged.

Guest Editor

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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