

Special Issue

Selenium and Selenoderivatives as Emerging Bioactive Agents for Human Diseases

Message from the Guest Editors

Selenium (Se) is a trace element with a pivotal role in redox homeostasis and functions in human health that are not fully characterized. Additionally, inorganic selenocompounds along with small organic molecules containing Se have demonstrated multiple activities in CNS-related illnesses and many other diseases through a plethora of mechanisms. This Special Issue will cover different steps of the development process (from the design and evaluation to the molecular characterization of the mechanism of action) of novel inorganic and organic selenoderivatives as bioactive compounds for human diseases. We firmly believe that the latest research into selenoderivatives and their biological effects should shed some light for gaining further knowledge about the interconnection of this class of compounds and illnesses such as cancer, parasitic diseases, Alzheimer's disease and Parkinson's disease, among others. Thus, the development of novel selenoderivatives could represent a novel and promising approach to developing more potent and safer bioactive agents.

Guest Editors

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