

Special Issue

The Role of Phosphatases in Human Health and Disease

Message from the Guest Editor

Phosphatase is an enzyme that uses water to cleave a phosphoric acid monoester into a phosphate ion and an alcohol. Phosphatase enzymes catalyze the hydrolysis of their substrates, making them subcategories of hydrolases. In cellular regulation and signalling, phosphatases and protein kinases play essential roles in phosphorylation and dephosphorylation (e.g., protein kinases). Phosphatases play an important role in a range of human diseases, including cancer, cardiovascular, metabolic and neurological disorders.

The Special Issue, "The Role of Phosphatases in Human Health and Disease" will cover recent research on the phosphatase and their types which play an important role in our health, also the novel compounds which can be used to treat this disease which occur due to the lack of this enzyme in the human body. Research articles/reviews related to this disease and enzymes are welcome in this issue.

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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