

## 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.

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### Guest Editor

Dr. Hussain Raza

Department of Biological Sciences, College of Natural Sciences,  
Kongju National University, Gongju 32588, Korea

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### Deadline for manuscript submissions

closed (15 November 2023)



## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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Prof. Dr. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
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Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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