

## Special Issue

# Kinases and Phosphatases in Harmony: Phosphorylation at the Intersection of Signalling Pathways

### Message from the Guest Editors

It has been recognised for decades that post-translational modifications of proteins play a crucial role in a number of biological processes, such as cell division, growth, and response to external stimuli. One of the key areas of recent research in this field is the elucidation of the molecular regulation of protein phosphorylation and how particular kinases and phosphatases play critical roles in healthy and disease-related signaling pathways.

This Special Issue invites reviews and original research papers describing all aspects of protein phosphorylation. Among the subjects covered include, but are not restricted to these keywords:

Kinases/phosphatases in human pathology;  
Structural biology of protein phosphorylation;  
Phosphatase and kinase inhibitors;  
Novel phosphatase or kinase targeting approaches;  
Substrate recognition of kinases and phosphatases;  
Modulation of phosphorylation events;  
Interaction network analysis;  
Omics data integrations.

### Guest Editors

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### Deadline for manuscript submissions

30 January 2026



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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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