

## Special Issue

# 5th Anniversary of ‘Applied Biosciences and Bioengineering’ Section—Recent Advances in the Biochemistry of Inflammation

### Message from the Guest Editors

Inflammation is considered a driving force behind many chronic diseases. Inflammatory mediators exert a central role in this interplay, as their ability to quench and prevent inflammation can greatly benefit both cancer and neurological pathologies.

The aim of this Special Issue is to highlight the most recent advances in the biochemical approach to inflammation. This Special Issue will collect studies that cover the investigation of cellular targets and signaling pathway mediators of inflammation, the characterization of new anti-inflammatory agents and novel approaches that can challenge and defeat the chronic inflammatory stimulation that leads to neurodegeneration, pro-oncogenic transformation, and cancer progression. Of particular interest is the discovery and analysis of the neuroprotective effects of natural compounds and nutraceuticals against toxic insults and their antitumor activities through the modulation of genes responsible for inflammation and oxidative stress.

### Guest Editors

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### Deadline for manuscript submissions

20 September 2025



## Applied Sciences

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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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