

Special Issue

Advancements in Protease and Carbonic Anhydrase Inhibitors as Targeted Therapies in Infection and Disease

Message from the Guest Editors

Proteases are targeted clinically with selective inhibitors, and are mostly used as antiviral agents to treat HIV/AIDS and hepatitis C infections. The potential use of protease inhibitors to block the replication of human coronaviruses has also accelerated in the fight against Covid-19 worldwide. Carbonic anhydrases are expressed widely in cells and tissues, and broad-spectrum CA inhibitors like acetazolamide are widely used in the treatment of glaucoma, epilepsy and altitude sickness. The generation of CA isoform selective inhibitors enabled their potential wider use, most noticeably the CAIX/XII inhibitors in malignant neoplasms. The present Special Issue of the International Journal of Molecular Sciences welcomes contributions dealing with all aspects connected to the chemistry, biochemistry, virology, pharmacology and toxicology of this important class of enzyme inhibitors.

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Message from the Editor-in-Chief

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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