

Special Issue

The Role of Protease Inhibitors in Infectious Diseases

Message from the Guest Editor

Proteases from numerous pathogenic organisms have been actively pursued as drug targets. In addition to the clinical success of HIV and HCV protease inhibitors, the recent approval of the COVID-19 oral drug Paxlovid represents a major advance in our efforts in targeting the viral proteases. In addition to their critical roles in viral infections, proteases are also vital in the replication of many other pathogens including bacteria, fungi, malaria, and prions. Although numerous protease inhibitors have been reported, the majority of them failed to advance to animal models and clinical trials due to the limitations of low target selectivity, poor stability, a lack of oral bioavailability, and unfavorable pharmacokinetic properties associated with the peptide scaffold. As such, this Special Issue is organized to solicit submissions that will address these key issues. Both review articles and research articles addressing the current advances and state-of-art research of protease in the infectious disease field are welcomed.

Guest Editor

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Deadline for manuscript submissions

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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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