

Special Issue

Antiviral Drug Design, Synthesis and Molecular Mechanisms

Message from the Guest Editors

Viruses are widespread worldwide, including animal viruses, plant viruses, bacterial viruses, and so on. Viral diseases not only threaten biological health but also hinder economic development. The application of antiviral drugs plays a pivotal role in controlling viral diseases. This Topic will focus on but not be limited to host-virus interactions, discovery of natural products with antiviral activity, antiviral compounds derived from natural products, computer-aided drug design and synthesis of antiviral drugs, antiviral formulation, mechanism of action of antiviral drugs, metabolic pathway of antiviral drugs, and the development of viral disease management strategies. We welcome well-prepared manuscripts of original research, review articles, and short communications from different fields, such as chemistry, biology, biochemistry, pharmacology, medicinal chemistry, and computational chemistry to contribute to this Topic. Our goal is for this Topic to represent the current state of knowledge in the discovery of novel antiviral drugs

Guest Editors

Prof. Dr. Xiuhai Gan

State Key Laboratory Breeding Base of Green Pesticide and Agricultural Bioengineering/Key Laboratory of Green Pesticide and Agricultural Bioengineering, Ministry of Education, Guizhou University, Guiyang 550025, China

Dr. Hongjian Song

State Key Laboratory of Elemento-Organic Chemistry, Research Institute of Elemento-Organic Chemistry, Nankai University, Tianjin 300071, China

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4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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