

Special Issue

Kinase Inhibitors 2021

Message from the Guest Editor

In the last decade, about 300 protein kinase inhibitors have been involved in clinical trials and 49 were recently approved by the US Food and Drug Administration (FDA), mostly tyrosine kinase inhibitors, and mainly for cancer therapy. In the same period, targeting kinase pathways has emerged as a promising strategy in the fight against infectious diseases that are caused by pathogenic microbes such as bacteria, viruses, parasites, or fungi. Protein kinase inhibitors were also considered as potential drugs to combat CNS disorders. This Special Issue will showcase the recent trends in the field of drug discovery of kinase inhibitors. In addition, review articles, research articles, and short communications will highlight the efforts of medicinal chemists to propose new molecules endowed with kinase inhibition properties and the strategies to enhance the activity profile of the existing pipeline. Repurposing human kinase inhibitors also gained attention to create new active compounds.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2021)



Molecules

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Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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