Special Issue

Design, Synthesis, and Analysis of Potential Drugs

Message from the Guest Editor

One of the major challenges of modern medicine is the effective treatment of many diseases that are still difficult to manage. Despite the commercial availability of a number of therapeutics, their performance is still largely limited. The improvement of patients' chances for recovery is pursued by searching new compounds with specific biological properties, which could become an alternative or a breakthrough therapy. On the other hand, we are witnessing the dynamic development of chemistry, medicinal chemistry, and biochemistry, which are presenting new and innovative solutions for drug discovery.

The present Special Issue "Design, Synthesis, and Analysis of Potential Drugs" aims to highlight the most interesting studies in the field of design of bioactive molecules that could become effective drugs. Moreover, of interest will be studies dealing with the processes of biotransformation of organic compounds and organic synthesis of pharmaceutical compounds. In addition, it is expected that the chemistry of heterocycles, carbohydrates, and proteins—enzymes in particular—will also be described and discussed in the submitted papers.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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