Special Issue

Nitrogen Heterocycles in Medicinal Chemistry

Message from the Guest Editors

It is a great pleasure and honor for us to invite you to contribute to the Special Issue entitled “Nitrogen heterocycles in Medicinal Chemistry”. Nitrogen heterocycles represent a highly important class of compounds that are widespread in medicinal chemistry, receiving special attention in drug discovery. These heterocyclic rings are common structural units in many natural or synthetic agents and approximately 60% of FDA-approved drugs contain a nitrogen heterocycle in their structure. They exhibit a very wide range of biological activities as antibiotic, antibacterial, antifungal, anticancer, anticonvulsant, anti-HIV, anti-inflammatory, analgesic, antitubercular, and antimalarial agents. Moreover, they also have applications as fungicides, herbicides, anticorrosives, agrochemicals, antioxidants, and play an important role in biochemical processes because they are key elements of DNA, RNA, and coenzymes.

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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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