Special Issue

Chemistry and Health: Nitrogen Heterocycle Chemistry and Medicinal Chemistry, 2nd Edition

Message from the Guest Editor

Heterocyclic compounds are such an important class of organic compounds that they have their own nomenclature and numbering system. The importance of these compounds derives from the fact that most heterocyclic compounds have biological activity. In fact, nucleic acids, which are the basis for the transmission of genetic information, are natural macromolecular compounds. The monomers from which these macromolecular compounds are derived have a nitrogenous base in their composition. Five heterocyclic compounds derived from purine (adenine and guanine) and pyrimidine (cytosine, thymine, and uracil) are known as nitrogenous bases. The aim of this Special Issue is to provide a platform to present the latest developments in the synthesis of biological active heterocycle derivatives, especially (but not only) those with anticancer, anti-tuberculosis, and antimicrobial properties.

Guest Editor

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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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