Special Issue

Design, Synthesis and Biological Evaluation of Heterocyclic Compounds

Message from the Guest Editor

Heterocycles tend to become independently organized into a variety of functional scaffolds and to socialize with other partner molecules, forming small biomolecular complexes or large assemblies, in various intersections of biological pathways. Heterocycles' architecture, rigidity and interaction determine the fate of a variety of biological events. Understanding the functional role of the heterocycles and their derivatives is strongly coupled to atomic-level insights into their structure and specificity. The research activities of many groups encompass the study of the design, synthesis, structure analysis and biological profiles of heterocycles, both in vivo and in vitro.

Guest Editor

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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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