Special Issue

Synthesis, Modification and Application of Heterocyclic Compounds

Message from the Guest Editors

Heterocyclic structures exist in most bioactive organic compounds. The development of efficient and environmentally friendly new methods for heterocyclic compound synthesis is the basis of heterocyclic compound synthesis, and the modification of many structurally diverse heterocyclic compounds is an important source for searching for compounds with biological functions. Meanwhile, heterocyclic compounds with biological functions provide molecular tools for chemical biology research and provide guarantee for the development of new drugs. Therefore, this Special Issue aims to focus on the latest research and progress, focusing on the design, preparation and modification of heterocyclic compounds. This Special Issue will receive cutting-edge original research papers as well as the latest review articles on emerging topics in the field, with a focus on the deeper understanding of the role of organic chemistry and chemical biology in the preparation of heterocyclic compounds.

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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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