Special Issue

Recent Advances in Synthetic Organic Chemistry

Message from the Guest Editor

Heterocyclic compounds are cyclic organic compounds that contain at least one carbon atom and at least one other element, such as nitrogen, oxygen, or sulfur. Heterocyclic compounds are essential to life, as they are widely distributed in Nature. Green synthetic techniques and the use of alternative energy sources as tools to obtain chemical reactions have drawn the attention of the pharmaceutical industry and academia. Greener synthetic routes to develop bioactive compounds; the use of ultrasound, microwaves, flow chemistry and other approaches for the synthesis of biologically active molecules; as well as safe transformations by degradable or recyclable reagents are necessary so that green chemistry can further provide its contribution to the quality of environmental matrices, tightly related to the good state of health of humans, thus joining in combination with the purposes of good health promoted by pharmaceutical chemistry. This Special Issue will be a platform to present current research in this field. Therefore, researchers in this area are welcome to submit relevant manuscripts to this Special Issue.

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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