Special Issue

Eco-Friendly Methodologies for the Synthesis of Heterocycles

Message from the Guest Editors

Several natural products and biologically active substrates contain heterocycle subunits that confer to the molecules' immense biological activities, including antimicrobial, anticancer, anti-inflammatory, anti-hyperglycemic, and many more. Nevertheless, the importance of heterocycles is not only in the pharmaceutical area, but also in their other chemical and technical utilities as dyes, herbicides, agrochemicals, corrosion inhibitors, and photostabilizers. In recent years, new efforts have been made by scientists to use new eco-friendly synthetic methodologies to increase the efficiency of the reactions and to reduce their toxicity. This Special Issue collects suitable research articles related to advances in the described area, including both the use of nonconventional solvents such as ionic liquids (IIs), deep eutectic solvents (DES), water and microwave or ultrasound irradiations in green reaction conditions, for example, solvent-free or water.

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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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