Special Issue

Green Methodologies for the Synthesis of Active Pharmaceutical Ingredients and Drug-Like Compounds

Message from the Guest Editors

This issue aims to face up the recent progresses made in the field of green chemistry and sustainable technologies applied to the synthesis of drugs. We believe that this issue is timely and challenging due to its multidiciplinary nature arising from a combination of catalysis, green chemistry and medicinal chemistry. In detail, the topics covered will be: (1) green approaches to the synthesis of drug-like compounds, synthons, and APIs; (2) catalytic methods (bio-, photo-, electro-, metal-catalyzed methods) in the synthesis of drugs; (3) chemical reactions in benign solvents for the synthesis of drugs (i.e., ionic liquids, deep eutectic solvents); and (4) flow, multicomponent, and combinatorial processes which avoid the isolation of synthetic intermediates.

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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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