Special Issue

Green Organic Synthesis: Innovations for a Sustainable Future

Message from the Guest Editor

Organic synthesis stands as the cornerstone of modern society, having enabled breakthroughs from pharmaceuticals to functional materials. However, traditional process often rely on harsh conditions and generate substantial waste, which brings environmental and economic challenges. This Special Issue, "Green Organic Synthesis: Innovations for a Sustainable Future", is dedicated to the pivotal shift towards sustainable chemical manufacturing. The goal of this Special Issue is to collect original research papers and review articles devoted to all aspects of green organic synthesis, including non-catalysis, metal catalysis, organocatalysis, photocatalysis, and biocatalysis. Submissions of manuscripts describing green synthetic technologies such as flow chemistry, multiphase catalysis, green reagents and solvents, catalyst immobilization, and recycling are also encouraged.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

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