

Special Issue

Innovative Green and Photochemical Approaches for Sustainable Organic Synthesis

Message from the Guest Editor

The Special Issue “Innovative Green and Photochemical Approaches for Sustainable Organic Synthesis” highlights recent advances in green and photochemical strategies that contribute to the sustainable development of organic synthesis. Photochemistry—driven by visible light—has emerged as a powerful and selective tool for activating organic molecules under mild conditions, offering access to novel reactivity and enabling efficient bond-forming reactions. In parallel, green chemistry principles encourage the design of safer reagents, solvents, and processes, often incorporating bio-based materials and catalytic transformations. This Special Issue invites contributions that explore the intersection of photochemical methodologies and green synthetic approaches in the construction of pharmaceutically and industrially relevant molecules. Topics of interest include, but are not limited to, visible-light-driven catalysis, novel photocatalysts, reaction mechanisms, photoinduced radical reactions, dual catalysis (photo/metal), the use of green solvents, mechanochemistry, and flow photochemistry.

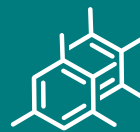
Guest Editor

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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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