Special Issue

Study of Visible Light-Promoted Fluoroalkylation Reactions

Message from the Guest Editor

This Special Issue highlights the value of visible light-promoted fluoroalkylation reactions in synthetic chemistry for the synthesis of new compounds in various fields. These reactions offer advantages such as gentler reaction conditions, improved selectivity, and sustainability. The issue showcases the latest advances in the field, including new photosensitizers, fluoroalkylating agents, and optimized reaction conditions that can accelerate the development of useful molecules. Articles and reviews are invited on topics such as novel photosensitizers, exploration of different fluorinated agents, investigation of reaction mechanisms, optimization of reaction conditions, green and sustainable methods, application of fluoroalkylation reactions in drug synthesis and materials science, and integration with other synthetic methodologies for rapid synthesis of complex molecules.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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.

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