Special Issue

Photocatalytic Strategies in Organic Synthesis

Message from the Guest Editor

It is difficult to exaggerate the importance that photocatalytic strategies have earned in recent years. Thanks to the unconventional pathways offered, they enable the smooth activation of substrates that would otherwise require harsh conditions to react, giving, at the same time, the desired products in excellent yields. Accordingly, photocatalytic processes are often considered as a superior choice when looking for an intrinsically green approach in the frame of organic synthesis. Indeed, recent trends involve the use of coloured catalysts, able to promote the desired processes under visible light irradiation or natural sunlight, further demonstrating the green potential of photocatalysis. The seminal works by the groups of MacMillan, Yoon and Stephenson were published almost ten years ago now, igniting what can be considered an impressive “gold rush” of photocatalysis. This Special Issue wants to resume how far we have gone in this period and which future directions photocatalysis practitioners will move in.

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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