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Green and Environmentally Friendly Visible-Light- and Transition Metal-Catalyzed Synthesis

Guest Editor:

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Message from the Guest Editor

Green or environmentally friendly synthesis methods (including visible light photocatalysis and reactions catalyzed by transition metals) are in high demand in the field of organic synthesis as they can reduce or eliminate the use or generation of hazardous substances, and thus promise a significant reduction in pollution and energy consumption. In addition, medicinal chemistry is a key area for the discovery and development of new and innovative drugs for the treatment or management of various diseases, some of which are life-threatening. Therefore, further contributions to the fields of medicinal chemistry and materials science are of fundamental importance for the well-being of mankind as a whole. Therefore, synthetic strategies need to be developed that synergistically combine activities in these two important areas in order to effectively control pollution exposure and energy consumption at the same time. The aim of this Special Issue is to highlight the research endeavors that are being carried out to solve the above problems. Scientists and researchers in this field are invited to contribute to this Special Issue.

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Special Issue

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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.

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