

Special Issue

Photocatalytic Organic Synthesis

Message from the Guest Editors

The use of light for the activation of organic reactions has emerged in the last decade, pushed by the need to implement energy-efficient and greener processes. Initially bounded to UV-excitation due to exclusive use of TiO₂ semiconductor optical photocatalysts, this process has extended its applicability through the use of other optical photocatalysts with visible excitation and by the development of more effective and versatile light sources, such as light-emitting diodes. The topics of the Special Issue will cover various aspects of photocatalysis for organic synthesis in all of its diversity, as well other areas on the boundaries, such as organic photoredox catalysis, molecular photocatalysis, photocatalytic applications of nanoscience, photocatalysis in fine chemistry, light mediated free radical synthesis and photocatalytic synthesis of natural products.

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