

Special Issue

The Importance of Shape-Tailoring at Nano- and Micro-Levels in Catalytic and Photocatalytic Applications

Message from the Guest Editors

These issues are usually related to our everyday life and the sustainability of our home planet (energy sources, water, air, medical issues). Nanotechnology is nowadays “The Technology” that answers the above-mentioned challenges. Nano- and micro-sized materials are those which will provide the solution, keeping in mind that every particle’s properties are defined by its shape or secondary organization level, the so-called hierarchical structures. The peculiarities of each crystal shape are defined by the unique structure of each exposed crystallographic facet, which can be tuned accordingly. Therefore, the present Special Issue will be focused on contributions in the field of (photo)catalysis, with special attention paid to the correlation between the catalytic and photocatalytic activity of a nano- or macro-sized material to the morphology, while taking into account the very complex network of dependencies based on the activity-structure-morphology triangle.

Guest Editors

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Deadline for manuscript submissions

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