



Nanocatalysis

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Message from the Guest Editors

Catalysis is one of the longest-established uses for nanoparticles. **Nanoparticles** of metals, metal oxides, mixed metal oxides, and other compounds have been widely used for various important chemical reactions. This Special Issue aims to collect and disseminate some of the most significant and recent contributions in the following areas (although it is not limited to them):

- Nanomaterial-based photocatalysis and biocatalysis
- Nanocatalysts and nano-biocatalysts in the chemical industry
- Nanocatalysis for carbon-carbon and carbon-heteroatom coupling reactions
- Nanocatalysis for various organic transformations in fine chemical synthesis
- Nanocatalysis for oxidation, hydrogenation, and other related reactions
- Nanocatalysts for producing non-conventional energy such as hydrogen and biofuels





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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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