

Special Issue

Next-Generation Catalytic Materials for Environmental Sustainability and Energy Efficiency

Message from the Guest Editor

This Special Issue highlights the latest advances and progress in novel catalysts in relation to next-generation catalytic materials for environmental sustainability and solving energy issues. It aims to promote an interdisciplinary understanding in the environmental and energy fields by using various nanomaterials, such as metal oxides, metal non-oxides, and polymer-based hybrids. In addition, the photo(electro)catalysis process plays an important role in degrading environmental micropollutants and converting carbon dioxide into useful fuels. We welcome the submission of original research papers and reviews on novel material synthesis, the application of environment and photo(electro)catalysis, and catalytic energy-related issues in this Special Issue.

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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