

Heterogeneous Catalysis for More Sustainable Symmetry Development

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Message from the Guest Editors

Dear Colleagues,

Our society is facing several important challenges to reach a more sustainable world, especially in the fields of energy and the environment. For this purpose, it is necessary to take advantage of and integrate different disciplines to solve worldwide problems such as energy demand and supply, air pollution, plastic recycling, wastewater treatment, among many other troubles. Recent emphasis on the circular economy has also highlighted the need to change our mindset about how we see “waste” and to consider it more like a feedstock to produce new products, goods, and services. In this context, this Special Issue aims to collect the latest efforts focused on developing new energy-efficient integrated chemical, catalytic conversion, and separation approaches that could accelerate the transformation and improvement of our lifestyle for a more symmetric world.

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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