

Special Issue

Nano-Structured Heterogenous Catalysts for Sustainable Energy and Environment

Message from the Guest Editors

We encourage researchers to contribute to the Special Issue on “Nano-Structured Catalysts for Sustainable Energy and the Environment”. The focus of this Special Issue is covering current research and future research trends in inorganic materials with controlled porosities and nano-structured catalysts. We will focus on i) nano-catalysts and ii) porous support materials with controlled micro-, meso- or hierarchical porosities for various catalytic reactions with particular emphasis on i) the conversion of greenhouse relevant gases (e.g., CO₂ and CH₄), ii) wastewater treatments from organics pollutants, and iii) water splitting applications, with a special interest in novel and innovative synthesis routes, e.g., for bifunctional catalysts and studies of metal-support interactions. In addition, the issue shall focus on in situ characterization techniques and the study of catalyst deactivation mechanisms.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)



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