

Special Issue

Sustainable Applications in Surface Chemistry and Catalysis

Message from the Guest Editors

Heterogeneous catalysis covers a broad range of applications, influencing our daily lives at different levels. The search for efficient and sustainable catalytic processes is a challenging field that is in a state of constant evolution. This Special Issue is oriented to the sustainable applications of heterogeneous catalysis, from the state-of-the-art to the most recent advancements with a special focus on the design of novel materials, including (meso)porous solids, metal and metal oxide nanoparticles, and organic-inorganic hybrids. Reactions and processes of academic and industrial interest will be considered. Original contributions addressing the synthesis and characterization of heterogeneous catalysts, or those devoted to the in-depth understanding of the relationship between surface properties and catalytic performances/reaction mechanism, in the form of full papers or communications, are all welcome. Mini-reviews presenting an overview on the state-of-the-art with projections on future perspectives and trends in this domain will be also considered.

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