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.

Guest Editors

Prof. Dr. Carmela Aprile

Unit of Nanomaterials Chemistry (CNano), Department of Chemistry, University of Namur (UNAMUR), Rue de Bruxelles 61, 5000 Namur, Belgium

Prof. Dr. Francesco Giacalone

Department of Biological, Chemical and Pharmaceutical Sciences and Technologies, University of Palermo, Viale delle Scienze, Ed. 17, 90128 Palermo, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

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Prof. Dr. Keith Hohn
Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS, USA

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