

Special Issue

Heterogeneous Catalysis in Chemical and Petrochemical Processes

Message from the Guest Editors

This Special Issue “Heterogeneous Catalysis in Chemical and Petrochemical Processes” is dedicated to research on the synthesis, characterization and evaluation of heterogeneous catalytic materials applied to different chemical and petrochemical processes.

Regarding catalyst preparation techniques, both conventional and novel synthesis methods are taken into account, including impregnation, precipitation, surface reactions, deposition–reduction in liquid phase, the synthesis of structured catalysts by dip-coating or other techniques, etc. The applications of these catalytic materials are variable, including the reforming of natural gas, alcohols from renewable sources, paraffin dehydrogenation reactions, the selective hydrogenation of unsaturated compounds in the liquid phase, and the production of compounds with a high added value, like fuels and fine chemical intermediates from biomass.

Guest Editors

Dr. Sergio Rubén De Miguel

Instituto de Investigaciones en Catálisis y Petroquímica, Santa Fe 3000, Argentina

Dr. Sonia Bocanegra

Instituto de Investigaciones en Catálisis y Petroquímica, Santa Fe 3000, Argentina

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

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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