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New Approaches in Green Catalysis

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Message from the Guest Editors

Catalysis is one of the foundational pillars of green chemistry, providing pathways to a sustainable development. In this context, very important achievements have been made in the production of novel highly efficient catalysts through the adoption of new synthetic methods. The use of catalysts in solvent-free pathways or in association with greener solvents has allowed spectacular enhancements in the valorization of biomass, leading to biofuels and biochemicals. Additionally, the use of CO₂ as a C1 building block has gained great attention. Bio- and photo-catalytic applications also bring important contributions to green catalysis.

Given the continuous advancements in this area and, as a consequence, the new challenges to be faced, it is extremely important that experts in the field focus their research and energy on this topic. The main aim of this Special Issue is to highlight novel developed strategies designed to promote green catalysis. Original research papers and reviews providing new insights into green catalysis are welcome.



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Special Issue



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Message from the Editor-in-Chief

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