

Special Issue

Catalytic Processes for a Green and Sustainable Future

Message from the Guest Editors

Catalysis has always been at the heart of industry, providing a technological foundation for making cleaner, more efficient, and economically viable chemical processes, and producing 95% of the products available on the world's markets. However, directing the world toward sustainability requires the upgrading of existing technologies and the development of new strategies to support a sustainable and green chemical industry with a limited carbon footprint. In the Horizon 2020 Framework Program, the European Union has listed seven key challenges, including green biofuels, renewable energy, and climate actions, which will be the main focus of research and development for the coming decades. Chemistry and catalysis will help to address the key issues within the areas above by designing more efficient biorefinery processes and discovering novel green energy sources. Be a part of this solution. From high-performance catalysts for biomass conversion to energy storage devices and breakthroughs in sustainable materials and manufacturing processes, you are welcome to share your brilliant ideas and cutting-edge results to shape a greener, more sustainable future.

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