

Special Issue

Catalytic Routes for the Conversion of CO₂

Message from the Guest Editors

Carbon dioxide emissions, the primary cause of global warming and climate change, will ultimately be significantly reduced because of the extensive use of renewable energy sources. The conversion of CO₂ into valuable and usable fuels and chemicals is one of the primary answers to addressing and resolving the major energy and environmental challenges. More studies have been performed on catalytic CO₂ conversion as a critical chemical platform and as a potential chemical transporter for extra energy. The Special Issue "Catalytic Routes for the Conversion of CO₂" will examine the state of the art and prospects for converting CO₂ to valuable compounds. Original research papers and review articles on inventing novel materials, developing new synthetic methods, and discovering new mechanisms for catalytic routes for the conversion of CO₂ are all encouraged. The scope of this Special Issue includes but is not limited to the conversion of CO₂. All major routes such as thermocatalytic, photocatalytic and electrochemical routes will be explored in detail.

Guest Editors

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Deadline for manuscript submissions

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