# Special Issue

# $CO_2$, a Carbon Source for Chemicals and Fuels

### Message from the Guest Editors

Currently, the development of Carbon Capture and Utilization (CCU) Technologies plays a key role within the strategies for reducing CO2 emissions, which aim to decelerate global warming. Therefore, the interest in processes that allow the transformation of CO2 into fuels or added-value chemicals has been renewed or reinforced, since their real success and profitability rely on a high performance, including high selectivity and energy efficiency. [...] This Special Issue of *Reactions* principally focuses on catalytic approaches of chemical and electrochemical transformations of CO2 into fuels and/or high-added value products. Therefore, the design, characterization and catalytic evaluation of new catalysts are included, as well as the use of advanced catalytic analysis by means of in-situ and/or operando approaches and kinetic studies. In addition, the use of catalytic devices, such structured and microstructured reactors or novel reactor designs for catalytic activity measurements during CO2 transformation will also be considered.

### Guest Editors

Prof. Dr. José Antonio Odriozola

Dr. Luis F. Bobadilla

Dr. Oscar H. Laguna

### Deadline for manuscript submissions

closed (15 October 2020)

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# About the Journal

## Message from the Editor-in-Chief

Chemistry is a broad science and in *Chemistry* we hope to showcase the excellence of this fundamental discipline. Open Access publishing allows scientists to publish their research in a way that reaches the widest possible audience. In *Chemistry* we aspire to build a genuinely transdisciplinary culture in which communication of results between scientists active in different areas and between scientists and the broader public highlights the benefits that chemistry can bring to society. We encourage papers on all aspects of chemistry ranging from astrochemistry to zoochemistry, with everything in between. We also very strongly welcome inter- and multidisciplinary papers which expand the subject beyond its present horizons. We also welcome themed issues collecting reviews and state-of-the-art papers in topical areas of chemical science.

## Editor-in-Chief

Prof. Dr. Igor Alabugin
Department of Chemistry and Biochemistry, Florida State University, Tallahassee, FL 32306, USA

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