Special Issue

Chemical Conversion and Utilization of CO_2

Message from the Guest Editor

The chemical conversion and utilization of CO2 is a rapidly evolving field in chemistry. As atmospheric CO2 levels continue to rise, developing efficient methods to convert and utilize this abundant greenhouse gas has become a key focus for scientists worldwide. This Special Issue is dedicated to showcasing the latest research and developments in the fields of chemical conversion and CO2 utilization. We are particularly interested in original research articles and comprehensive reviews that explore novel approaches in these areas, including but not limited to organic syntheses, catalytic processes, materials design for CO2 capture and conversion, and sustainable chemical pathways for green synthesis. Contributions that provide new insights into the challenges and opportunities in CO2 utilization and green chemistry are highly encouraged, as they are crucial for advancing our collective efforts to address the pressing environmental challenges of our time. We invite you to contribute your cutting-edge research to this Special Issue and join the global endeavor to create a sustainable and environmentally responsible future.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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