



C1 Chemistry—C1-Platform Chemicals as Cornerstone for a Sustainable Energy

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Message from the Guest Editors

Dear Colleagues,

Despite the enormous benefits to modern civilization, the adopted production scheme, and consumption patterns are mostly based on non-recycled sources of energy. Carbon dioxide and all C₁-platform chemicals appear to be cornerstones to generate a new and sustainable energy concept for the 21st century: Methane, methanol, carbon monoxide, and formic acid can all be used directly either as fuels or as storage media.

This Special Issue is devoted to present the central catalytic role into the aforementioned topics. For example:

- CO₂ capture
- use of CO₂ as reactant or process to its mitigation;
- C₁-platform like formic acid, CO, methanol and methane;
- biomass or biomass-derivate feed;
- gas emissions mitigation (NO_x and SO_x);
- hydro-treatment process for fuel, etc.

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