Special Issue

Carbon Dioxide (CO2) Utilization

Message from the Guest Editor

We invite submissions to a Special Issue of the Energies journal on the topic of “Carbon Dioxide (CO2) Utilization”. The aim of the Special Issue is to highlight the research into CO2 utilization on all levels of maturity. CO2 can be employed for many synthesis routes for potential applications in chemical industry. Hence, CO2 utilization would play a major role towards a more sustainable society, tackling climate change and reducing dependency on fossil resources.

This Special Issue would like to encourage original contributions regarding recent developments and ideas in CO2 utilization. Potential topics include but are not limited to: Thermal and catalytic conversion of CO2 into chemicals and fuels; CO2 conversion by electrochemical, photochemical, plasma-induced, and other non-conventional energy sources; biological conversion of CO2; materials for CO2 activation and adsorption; integrated processes for CO2 conversion and reduction; CO2 as a working agent: Policies, regulations, life cycle analysis, economic, environmental, and social aspects of CO2 utilization.

Guest Editor

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Deadline for manuscript submissions

closed (20 October 2020)

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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