Special Issue

Carbon Capture, Storage and Utilization

Message from the Guest Editor

Over the past decades, Earth has experienced an increasing occurence of events that can be attributed to global warming, including melting sea ice, rising sea levels and extreme weather patterns. As CO2 is the greenhouse gas most responsible for global warming, there is a pressing need to drastically reduce anthropogenic emissions of CO2 in the atmosphere. Even as the world transitions to energy systems with no or low CO2 emissions, we must address the CO2 produced by the existing fossil fuel-based energy paradigm. Researchers all over the world are developing innovative, multi-disciplinary carbon capture and storage (CCS) and carbon capture and utilization (CCU) strategies to reduce the amount of CO2 in the atmosphere, mitigate the effects of greenhouse gases and convert waste CO2 to useful products. To advance the field and accelerate the development and deployment of these important technologies, this Special Issue encourage researchers to share their latest work on CCU and CCS.

Guest Editor

Prof. Dr. Eric Croiset

Department of Chemical Engineering, University of Waterloo, Waterloo, ON N2L 3G1, Canada

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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