

## Special Issue

# CO<sub>2</sub> Capture and Renewable Energy

### Message from the Guest Editors

The rapid and global development of an energy sector based in renewables is critical for its decarbonisation in a climate-friendly scenario. Nevertheless, CO<sub>2</sub> Capture and Storage (CCS), remains necessary for abating CO<sub>2</sub> emissions from operating fossil fuel-fired power stations and from many industrial sources that are hard or impossible to decarbonise otherwise. Furthermore, CO<sub>2</sub> removal technologies, such as Bioenergy with Carbon Capture and Storage (BECCS) and Direct Air Capture (DAC), will also be necessary to reduce the high atmospheric concentration of CO<sub>2</sub>, if the ambitious climate goals established in the Paris Agreement are to be met. CO<sub>2</sub> utilization (CU), in combination with renewable energy, is also foreseen to contribute to displace fossil fuels in a carbon neutral scenario. This Special Issue intends to provide an overview of the recent advances in the referred topics. We therefore invite the submission of papers on innovative technical developments, reviews, case studies, analytical, as well as assessment papers from different disciplines, which are relevant to CCS, BECCS, DAC, CU and a combination of these with renewable energy production.

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### Guest Editors

Dr. Marta González Plaza

Instituto de Ciencia y Tecnología del Carbono, INCAR-CSIC, Calle Francisco Pintado Fe 26, 33011 Oviedo, Spain

Dr. Rui P. P. L. Ribeiro

LAQV-REQUIMTE, Department of Chemistry, NOVA University Lisbon, 2829-516 Caparica, Portugal

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### Deadline for manuscript submissions

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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*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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### Editor-in-Chief

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

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