

Special Issue

Improvements on CO₂ Vapour Compression Cycles

Message from the Guest Editor

Dear colleagues, As a guest editor, I am pleased to invite you to submit your scientific works to this Special Issue of *Energies* entitled “Improvements on CO₂ vapour compression cycles” focused on CO₂ technology in subcritical and transcritical conditions. This Special Issue will encompass scientific works devoted to analysing the CO₂ vapour compression cycle and to enhancing its energy efficiency. Furthermore, studies about the CO₂ heat transfer phenomena and heat exchanger design are also welcome. Keywords:

- CO₂
- transcritical cycles
- subcooling
- IHX
- ejector
- parallel compressor
- gas-cooler
- heat transfer phenomena
- energy performance
- booster systems

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2021)



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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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