



Improvements on CO₂ Vapour Compression Cycles

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2021)

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

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Message from the Editor-in-Chief

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