



Design, Development, Analysis, or Experimental Testing of Super Critical CO₂ Radial (Centrifugal) Compressors and Radial Turbines

Guest Editor:

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Deadline for manuscript
submissions:

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Message from the Guest Editor

The US Department of Energy and other international government and institutes have specified that the radial (centrifugal) compressors and turbines are the ideal turbomachinery for a power gas turbine with power output up to 10MWe. To develop the s-CO₂ centrifugal compressor for this requirement there are three major compressor and turbine development challenges.

This Special Issue of *Applied Sciences* (ISSN 2076-3417) invites authors to submit papers that address, but are not limited to, the topics of “Design, Development, Analysis, or Experimental Testing of Super Critical CO₂ Radial (Centrifugal) Compressors and Radial Turbines” for the power output of 10MWe”.

- Critical CO₂ Brayton cycle
- centrifugal compressor
- radial turbine
- critical CO₂ gas turbine
- power generation gas turbine
- compressor and turbine design





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Message from the Editor-in-Chief

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