



Experimental and Numerical Studies on Coupled Physical–Chemical Field of Turbulent Combustion of Low- to Zero-Carbon Fuels

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Message from the Guest Editor

Dear Colleagues,

Decarbonizing various sectors using low- to net-zero- or even zero-carbon fuels is one of the significant challenges of transitioning to a zero-carbon era. The major combustion-based systems applied in practical applications work at the turbulent regime in which complex interactions between fluid flow and combustion chemistry time scales play a crucial role in controlling the process. In this regard, understanding the physico-chemistry of low- to zero-carbon fuels at turbulent combustion regimes is critical in applying the fuels in practical applications. Hence, further experimental and numerical studies in the field are required to bring the proposed low-emission fuels to the market.

The keywords of our Special Issue include but are not limited to:

- combustion
- turbulence
- chemistry
- low carbon fuels
- zero carbon fuels





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Message from the Editor-in-Chief

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