

Special Issue

Advances in Combustion Analysis and Carbon Capture of Emerging Combustors

Message from the Guest Editors

Recent natural disasters caused by climate change have reinvigorated concerns regarding carbon mitigation. Thus, advances in combustion processes and carbon capture are becoming a hot issue, with the number of studies on these topics growing rapidly. Moreover, issues related to combustion analysis, as well as the applications of emerging combustors to promote carbon capture, need to be deeply elaborated upon. The Special Issue involves original research, reviews, and application papers. The topics cover but are not limited to: Strategies on Carbon Mitigation, Carbon Capture Technologies, Advanced Combustion Technologies, and Improvements in Combustion Analysis. The related keywords on the above-mentioned topics are listed below:

- Strategies on Carbon Mitigation: Life Cycle Assessments of Carbon and the Circular Economy of Carbon.
- Carbon Capture Technologies: Chemical, Physical, and Biological Methods.
- Advanced Combustion Technologies: Oxy-fuel, IGCC.
- Improvements in Combustion Analysis: Fluidized Bed Reactors and Computational Fluid Dynamics.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2024)



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Message from the Editor-in-Chief

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