



Heat Transfer and Advanced Combustion in Gas Turbines

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to explore the advancements and challenges in heat transfer and combustion aspects of gas turbines, with a focus on innovative techniques and technologies. Topics of interest for this Special Issue include, but are not limited to:

1. Advanced cooling techniques for gas turbine components;
2. Heat transfer phenomena and analysis in gas turbine systems;
3. Combustion dynamics and modelling in gas turbines;
4. Combustion stability and control strategies;
5. Novel materials and coatings for improved heat transfer;
6. Numerical simulations and experimental investigations;
7. Integration of renewable fuels and alternative energy sources;
8. Heat recovery and waste heat utilization.

Researchers are encouraged to submit their contributions that push the boundaries of knowledge and propose innovative approaches to address the challenges faced in heat transfer and advanced combustion in gas turbines.





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Message from the Editor-in-Chief

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