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Experiments and Diagnostics in Reacting Flows

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2025)

Message from the Guest Editor

We are pleased to announce a Special Issue dedicated to the latest advancements in experiments and diagnostics in reacting flows. It aims to showcase cutting-edge research in the field of combustion science, with a focus on innovative experimental techniques and diagnostic methods.

Key topics of interest for this Special Issue include, but are not limited to:

- The development and application of optical diagnostics
- Experiments on laminar and turbulent flames
- Coal and biomass combustion
- Oxidation and reduction of metal fuels
- Combustion of ammonia, hydrogen, and fuel blends
- Diagnostics for harsh environments
- Engine- and gas turbine-relevant processes
- Near-surface and catalytic processes
- Emission measurements and treatments
- Novel concepts and devices.

We invite researchers from academia, industry, and government laboratories to contribute original research articles, review papers, and short communications that present novel experimental methodologies, groundbreaking findings, and significant advancements in the understanding of reacting flows.



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Special Issue



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Message from the Editor-in-Chief

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