

## Special Issue

# Experiments and Diagnostics in Reacting Flows

### 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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### Guest Editor

Dr. Tao Li

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### Deadline for manuscript submissions

31 December 2025



## Processes

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

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