Special Issue

Clean Combustion and Emission Control Technologies

Message from the Guest Editors

In the global context of addressing climate change and promoting energy transition, developing efficient and clean combustion technologies and effectively controlling pollutant emissions have become urgent needs for human development. This Special Issue aims to compile the latest research progress, innovative technologies, and profound insights in this field, focusing on two key pathways: reducing pollutant generation at the source (clean combustion) and efficiently removing pollutants at the end (emission control), to support the clean utilization of energy and improve environmental quality. This Special Issue sincerely invites and plans to include high-quality original research papers and reviews covering (but not limited to) the following themes:

- Combustion (including pyrolysis and gasification);
- Low/zero-carbon fuel combustion or co-combustion;
- Novel combustion technologies;
- Sulfur, nitrogen, particulate matter, and VOCs control technologies;
- Heavy metal control technologies;
- Disposal of by-products (fly ash, gypsum, wastewater, etc.);
- Clean disposal of solid waste;
- CO2 capture;
- Combustion testing and diagnostics;
- AI-driven efficient clean combustion.

Guest Editors

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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.

Editor-in-Chief

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