Special Issue

Combustion Characteristics and Emission Control of Blended Fuels

Message from the Guest Editor

Fuel blending impacts engine performance, environmental footprint, and cost efficiency. The landscape of fuel options continues to evolve, propelled by technological advancements, regulatory frameworks, and shifting consumer preferences. Blended fuels offer improved combustion, enhanced engine efficiency, and reduced emissions compared to their unblended counterparts. Fuel composition plays a critical role in determining performance and the overall operational costs. By grasping the nuances of blended vs. unblended fuels, stakeholders can make informed decisions, ensuring a balance between performance and affordability in the fuel industry. Amidst the ongoing quest for cleaner, more efficient energy solutions, the debate between blended and unblended fuels is receiving increasing attention. This Special Issue seeks high-quality works focusing on the latest advances in blended fuels studies. Topics include, but are not limited to:

- Improving fuel properties by blending;
- Environmental concerns and promoting sustainability;
- Emission control by blending fuels;
- Combustion properties of blended fuels.

Guest Editor

Dr. Codina Movileanu

Institute of Physical Chemistry, Romanian Academy, 060021 Bucharest, Romania

Deadline for manuscript submissions

30 December 2025

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/222774

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

mdpi.com/journal/processes

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/journal/processes

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.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))

MDPI