

Special Issue

Advances in New and Renewable Fuel for Internal Combustion Engines

Message from the Guest Editors

Recently, the search for new and renewable sources of fuel has intensified. This is after the agreement of many countries and institutions to take steps to preserve the environment by reducing emissions and reducing fossil fuel consumption. As such, work has been performed to raise the efficiency of combustion systems' performance, especially in the application of internal combustion engines. To achieve this goal, all research authorities sought to maximize the production of alternative fuels that can be used in internal combustion engines without making fundamental changes in the original fuel systems. The production of biofuels from used edible oils, the cultivation and harvesting of algae, and the fermentation of agricultural residues are among the most important research directions in this regard. In this context, researchers are working through innovative mathematical and numerical methods in their research with the use of nanometric material technologies in order to achieve the best performance parameters in internal combustion engine systems.

Guest Editors

Dr. Elkelawy Medhat

Faculty of Engineering, Tanta University, Tanta 31527, Egypt

Dr. Hagar Alm-Eldin Bastawissi

Mechanical Power Engineering Department, Faculty of Engineering, Tanta University, Tanta 31733, Egypt

Deadline for manuscript submissions

closed (15 July 2024)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/153453

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

[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



[mdpi.com/journal/
processes](https://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))