processes

an Open Access Journal by MDPI

IMPACT FACTOR 2.8

CITESCORE 5.1

Advances in Green Propulsion Engine and Environmental Pollution Control

Guest Editors:

Dr. Xinyan Pei
Institute for Aero Engine, Tsinghua University, Beijing 100084, China

Prof. Dr. Lingyun Hou
Institute for Aero Engine, Tsinghua University, Beijing 100084, China

Dr. Baotong Wang
Institute for Aero Engine, Tsinghua University, Beijing 100084, China

Deadline for manuscript submissions:
25 December 2024

Message from the Guest Editors

To date, intensive efforts have been made to develop an efficient, stable, and green aero-engine. New technologies, including innovative and optimal designs of aero-engines are developed to improve the efficiency and performance of aero-engines. The improvement of aero-engine SFC (Specific Fuel Consumption) is highly beneficial to reduce carbon emissions. Efforts can be made to enahce the efficnecy of engine components. Moreover, the development of advanced thermal cycles is also promising. Hydrogen is also considered to be one of the most promising energy sources and is capable of meeting our rapidly growing energy demands due to its cleanliness, sustainability, zero-carbon, and effectiveness. Topics of interest in green aviation technologies include studies on hydrogen, hydrogen–kerosene blends, the interaction between combustors and turbines, advances in combustion instabilities, combustion chamber design, and combustion strategies and technical solutions, turbine-cooling technology, adavances in fan/compressor design, and the aerodynamic and aeroelastic instabilities of turbomachinery.

mdpi.com/si/142776

Special Issue

processes

IMPACT FACTOR 2.8

CITESCORE 5.1

an Open Access Journal by MDPI

Editor-in-Chief

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

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.

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: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
𝕏@Processes_MDPI