



Fluid Power Components and Systems

Guest Editor:

Dr. Pedro Javier Gamez-Montero

Department of Fluid Mechanics,
Universitat Politècnica de
Catalunya, Campus Terrassa,
Colom 11, 08222 Terrassa, Spain

Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editor

This Special Issue aims to disseminate recent advances of fluid power technology, contributing to the existing literature. The scope of this Special Issue focuses on a wide range of topics, including the following:

- New methodologies for the analysis, modeling, simulation, and design of hydraulic and pneumatic components
- Advanced configurations and design for hydrostatic pumps and motors
- New configurations and design solutions for hydraulic valves and actuators
- New experimental approaches and techniques in hydraulic and pneumatic components
- Component sizing and manufacturing techniques in fluid power components
- Fluid power production methods
- New materials in fluid power components
- Advanced system configuration in mobile and industrial fluid power
- Applications of fluid power in the field of hydrostatic, hybrid, and power split transmissions
- Efficiency labeling in fluid power components
- Energy rating in fluid power systems
- Monitoring, fault detection, and life reliability in fluid power components
- Design by end-user: diagnosis, prognostic, and energy consumption evaluation
- Biodraulics: fluid power in bioengineering





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

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

High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI