

## Special Issue

# Emerging Research in Rotary Engines and Sustainability in Vehicle Engineering

### Message from the Guest Editors

With the development of new technologies, the attractiveness of the rotary engine's advantages is making a comeback in the minds of many designers. In recent years, driven by the progressive electrification of the automotive powertrain, there have been new applications for the rotary engine also in the automotive industry. This engine concept also increases as a range extender, especially due to some specific advantages such as simplicity, compactness, lightweight, low vibration, and high efficiency. Therefore, the rotary engine has established itself to be a formidable contender for some of the markets currently served by reciprocating engines in vehicle engineering. This Special Issue aims to provide a platform for researchers to share the latest advancements in mixture organization, combustion improvement, and emissions control of all rotary engine types and their sustainability in vehicle engineering. In this Special Issue, original research articles and reviews are welcome. We look forward to receiving your contributions.

---

### Guest Editors

Dr. Cheng Shi

Dr. Jinxin Yang

Prof. Dr. Jianbing Gao

Dr. Peng Zhang

---

### Deadline for manuscript submissions

closed (31 December 2023)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/120991](https://mdpi.com/si/120991)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



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



## About the Journal

### 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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

---

### Editor-in-Chief

Prof. Dr. Steve W. Lyon  
School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

---

### 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, RePEc, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)