## Special Issue

# High-Current Discharge and Its Applications

## Message from the Guest Editors

High-current discharge is a key research area in electrical engineering and energy-related technologies, covering topics from theory to application. With its growing role in industrial and energy systems, optimizing high-current discharge has become a global focus in academia and industry. This Special Issue seeks to present recent advances in high-current discharge, including applications such as electromagnetic pulse welding, forming, acceleration, and electrical wire explosion. We aim to foster interdisciplinary research and industrial implementation. Topics of interest include, but are not limited to:

- Electromagnetic pulse welding
- Electromagnetic forming
- Electromagnetic acceleration
- Electrical wire explosion and its applications
- High-current pulsed power sources
- Energy-related industrial uses of high-current discharge
- Other relevant topics in high-current discharge and energy systems

We invite researchers to submit their original work to advance innovations in electromagnetic energy technologies.

## **Guest Editors**

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## Deadline for manuscript submissions

20 November 2025



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## **About the Journal**

## Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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