



## Power Development and Power Generation in Era of Decarbonization

Guest Editors:

**Dr. Arkadiusz Dobrzycki**

**Dr. Radosław Szczerbowski**

**Prof. Dr. Muhsin Tunay  
GENÇOĞLU**

**Dr. Tadeusz Olkusi**

Deadline for manuscript  
submissions:

**closed (31 December 2023)**

### Message from the Guest Editors

Dear Colleagues,

The topics related to power development and power generation and the subject of this Special Issue include, but are not limited to:

- Microgrids and energy clusters;
- Virtual power plants;
- The impact of electromobility on the demand of electricity;
- Managing the flow of energy and information between energy consumers and producers;
- Automation of processes carried out by distribution network operators (e.g., voltage or reactive power regulation);
- Management of power consumption by recipients in order to minimize transmission losses;
- Monitoring and modeling of energy flow between generating units and consumers;
- Control of the operation of energy storage;
- Low-emission power plants.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Flavio Canavero**

Department of Electronics and  
Telecommunications,  
Politecnico di Torino, 10129  
Torino, Italy

## Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

## 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), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

**Journal Rank:** JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

## Contact Us

---

Electronics Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/electronics](http://mdpi.com/journal/electronics)  
[electronics@mdpi.com](mailto:electronics@mdpi.com)  
[X@electronicsMDPI](https://x.com/electronicsMDPI)