

# Topical Collection

## Electrical Technologies

### Message from the Collection Editors

The Topical Collection on Electrical Technologies is to provide a wide-ranging view of recent advances in the area. The topics of interest include, but are not limited to:

- Power generation, including fossil fuels, nuclear energy, hydroelectric power, wind power, and solar power and distribution. Producing electricity and transporting it to homes, businesses, and industries.
- The study of electronic devices and their applications. Design and manufacturing of electronic devices such as computers, televisions, smart phones, and other consumer electronics.
- Transmitting information over a distance through electronic means, such as telephones, radios, and the internet. Wired and wireless networks, satellite systems, and mobile devices.
- The use of electronic and computerized systems to control and monitor industrial processes.
- Renewable energy. Generation of energy from sources that are replenished naturally over time, such as solar, wind, and geothermal.

---

### Collection Editors

Prof. Dr. Valeri Mladenov

Neurocomputing Laboratory, Department of Fundamentals of Electrical Engineering, Technical University of Sofia, 8 Kliment Ohridski Blvd., 1000 Sofia, Bulgaria

Dr. Vasiliki Vita

Department of Electrical and Electronic Engineering Educators, School of Pedagogical and Technological Education (ASPETE), N. Heraklion Attikis, 141 21 Athens, Greece

---



## Technologies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 8.5



[mdpi.com/si/166382](https://mdpi.com/si/166382)

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

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





# Technologies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 8.5



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



## About the Journal

### Message from the Editor-in-Chief

*Technologies*, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that *Technologies* becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, *Technologies* will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

---

### Editor-in-Chief

Prof. Dr. Manoj Gupta

Department of Mechanical Engineering, National University of  
Singapore, Singapore 117576, Singapore

---

### Author Benefits

#### High Visibility:

indexed within ESCI (Web of Science), Scopus, Inspec, Ei  
Compendex, INSPIRE, and other databases.

#### Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1  
(Computer Science (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 19.1 days after  
submission; acceptance to publication is undertaken in 3.6  
days (median values for papers published in this journal in  
the second half of 2025).