

## Special Issue

# State-of-the-Art Solutions and Innovations for Testing and Condition Monitoring of Power Transformers

### Message from the Guest Editors

We are inviting submissions to a Special Issue of *Energies* on the subject area of “*State-of-the-Art Solutions and Innovations for Testing and Condition Monitoring of Power Transformers*”. This Special Issue will focus on the wide-ranging diagnostics of power transformers, including the condition of the insulation, core, current feedthroughs and other components. It will also concern metering, the application of sensors, and other solutions allowing for continuous monitoring of the condition of transformer elements. Topics of interest for publication include, but are not limited to:

- Diagnostics and monitoring of power transformers, including the condition of:
  - Insulation of transformers; Oils and esters; Solid isolation; Windings; Core; Current feedthroughs; Undervoltage regulators; Cooling system, etc.;
- Experience with the application and development of modern measurement and diagnostic methods;
- Experience with the renovation of transformers and the replacement of individual components, etc.

---

### Guest Editors

Prof. Dr. Tomasz Norbert Kołtunowicz

Department of Electrical Devices and High Voltage Technology, Lublin University of Technology, 38A Nadbystrzycka Street, 20-618 Lublin, Poland

Dr. Milan Šebök

Department of Measurements and Applied Electrical Engineering; University of Žilina, 8215/1, Univerzitná Str., 010 26 Žilina, Slovakia

---

### Deadline for manuscript submissions

closed (25 May 2023)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/96941](https://mdpi.com/si/96941)

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

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





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



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



## 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.

---

### Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

---

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

#### Journal Rank:

CiteScore - Q1 (Control and Optimization)