Special Issue

Advances in Power Converters for Use in Cleaning Contaminants in Water

Message from the Guest Editor

Advances in power converters play a significant role in addressing water contamination challenges. Power converters are essential components in water treatment systems, facilitating the conversion and control of electrical energy to power various processes involved in cleaning contaminants from water. The scope of these advances is broad and encompasses several key areas:

- Energy Efficiency;
- Renewable Energy Integration;
- Advanced Control Systems;
- Modularity and Scalability;
- Electrochemical Processes;
- Pulse Power Technology;
- High-Frequency Power Electronics;
- Data Analytics and Monitoring;
- Electrochemical Sensor Integration;
- Cost Reduction;

In summary, the scope of advances in power converters for water treatment is vast and holds great potential for addressing global water contamination challenges by providing more efficient, sustainable, and adaptable solutions.

Guest Editor

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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 guestedited by leading experts in selected topics of interest.

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