

## Special Issue

# Unlocking the Potential of Advanced Fiber Optic Sensors: Revolutionizing Sustainable Energy Applications

### Message from the Guest Editor

Potential topics include but are not limited to:

- Fiber optic sensor design and fabrication for sustainable energy applications.
- Advanced sensing techniques for renewable energy generation and monitoring.
- Integration of fiber optic sensors in smart grids and energy management systems.
- Fiber optic sensing for improved energy efficiency and performance optimization.
- Fiber optic sensors for condition monitoring and fault detection in renewable energy systems.
- Applications of fiber optic sensors in energy storage and distribution networks.
- Fiber optic sensor-based monitoring of environmental impacts and resource utilization in sustainable energy.
- Fiber optic sensors for enhanced safety and reliability in energy infrastructure.
- Challenges and opportunities in the commercialization and deployment of fiber optic sensor technology for sustainable energy.
- Integration of fiber optic sensing with emerging technologies such as Internet of Things (IoT) and artificial intelligence (AI) for sustainable energy applications.

### Guest Editor

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**Deadline for manuscript submissions**



## Sensors

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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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