

## Special Issue

# Smart Textile Sensors, Actuators, and Related Applications

### Message from the Guest Editor

The integration of smart textiles into healthcare has revolutionized wearable technologies, offering innovative solutions for personalized and continuous health monitoring. This Special Issue focuses on the transformative role of smart textiles in healthcare, exploring their applications in physical health monitoring, telemedicine, and advanced medical interventions. It also highlights the intersections of the hardware innovations, data analytics, and security protocols necessary to realize their full potential. Authors are invited to contribute original research and reviews that delve into cutting-edge developments in smart textiles for healthcare, IoT-enabled e-textiles, and secure wearable systems for data-driven medical insights. Authors are invited to submit high quality papers related, but not limited to, the following topics:

- Smart textiles in healthcare;
- Wearable e-textile biosensors;
- IoT-enabled smart fabrics;
- Secure and scalable e-textile wearable technologies;
- Smart textile wearables for continuous physical health monitoring;
- Remote patient tracking and telemedicine through smart textiles;
- VR/AR-based technologies with smart textiles.

### Guest Editor

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### Deadline for manuscript submissions

20 December 2025



## 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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