

Special Issue

Healthcare Applications Based on Flexible and Stretchable Electronics

Message from the Guest Editor

In recent years, flexible and stretchable electronics with integrated sensors have received tremendous attention for healthcare applications including electronic skin, human-machine interfaces, and implantable devices, because of their ability to be soft and lightweight, while retaining the functionalities of conventional electronics and sensors. This Special Issue will aim to report the recent developments, current challenges, and new opportunities in various aspects of flexible and stretchable electronics for healthcare applications. Topics in this Special Issue will include, but are not limited to:

- Fundamentals on the design and fabrication of flexible and stretchable electronics with integrated sensors;
- Advanced materials and manufacturing for flexible biosensors;
- Wearable/implantable devices for healthcare applications;
- Portable point-of-care devices;
- Bio-integrated/stretchable electronics;
- Brain/human-machine interfaces;
- Large deformation mechanics of bioelectronics and sensors.

Guest Editor

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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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