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## Research and Application of Flexible Sensors Based on Micro/Nano Materials and Structures

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### Message from the Guest Editors

In recent years, stretchable and flexible electronics integrated with various sensors, including strain sensors, ECG/EMG sensors, and temperature sensors, have broken through the limitations of traditional, rigid electronics, and have profoundly changed human lifestyles. Stretchable sensors and stretchable electrodes in particular are required for the monitoring of body deformation, motion, and ECG/EMG signals in applications of health monitoring, human–computer interactions, and extended reality. By the design of stretchable, conductive, nanomaterial-composed microstructures, the functions of electrodes and sensors can be successfully realized, and the conductive/sensing performance can be regulated by the geometrical design. Therefore, the development of stretchable sensors/electrodes based on stretchable conductive nanomaterial-composed microstructures and the related theories and applications are of great interest in the research community.

This Special Issue of *Nanomaterials* aims to highlight the latest advances in the theories and applications of stretchable sensors/electrodes based on nanomaterial-composed microstructures.



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# Special Issue



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## Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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