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Smart Wearable Health Monitoring Systems: Materials, Sensors, Nanogenerators and Self-Powered Applications

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Message from the Guest Editors

Recent insights have resulted in a rapid development of various wearable devices monitoring different healthcare physiological indexes and biomarkers that can be found either in body fluids or in skin odor and breath. Wearable devices are potential game-changers and can empower the individual and the healthcare system to achieve better personalized healthcare outcomes.

Along with the development of wearable sensors for health applications, the demand for sustainable and independent operation, lightweight and flexibility have increased significantly. Fulfilling this demand shall involve several parameters but most important is the replacement of the bulky and rigid batteries by alternative thin, flexible and/or stretchable powers sources.

The focus of this Special Issue is on reporting recent advancements in smart wearable health monitoring systems. Both original research articles and review articles are welcome. Preferred subtopics include but are not limited to:

- smart materials
- wearable sensors
- chemical/bio-sensors
- volatile organic compounds detection
- health monitoring devices
- nanogenerators
- self-powered systems

Specialsue





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Editor-in-Chief

Message from the Editor-in-Chief

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