



## **Biophysical Sensors for Biomedical/Health Monitoring Applications**

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### **Message from the Guest Editor**

Engineering control over materials forms and structures provides tissue-compliant, flexible, and stretchable classes of biophysical sensors and microsystems that facilitate both fundamental biological research and biomedical diagnosis. Examples of recent advanced systems combine theoretical and experimental efforts in materials (e.g., metal, semiconductor, carbon, liquid metal) and sensory transduction (e.g., piezoresistive, acoustic waves, optical, capacitive) for monitoring diverse biophysical signals (e.g., strain, pressure, ultrasound, temperature, vibration). The complete systems are well configured for a range of applications, such as human health monitoring, robotic prosthesis control, acoustic-based care systems, and measuring activities inside the body. This Special Issue aims to highlight recent advanced biophysical sensors in such biocompatible configurations.





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## Message from the Editor-in-Chief

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