Special Issue

Biomedical Applications of Wearable Movement Sensors

Message from the Guest Editors

Wearable sensing technology is represented by devices worn by persons being examined, and therefore allows continuous physiological monitoring with reduced manual intervention. The wearable sensors used for healthcare purposes can be categorized into biopotential, optical, stretch and pressure, chemical, and inertial measurement units. The main topics of this Special Issue include, but are not limited to, the following:

- Technical validity, reliability, and clinical validity of wearable movement sensors;
- Clinical application of wearable movement sensors in chronic conditions and after an injury;
- Usage of wearable movement sensors for injury prevention and sports performance;
- Instrumented clinical assessments;
- Telerehabilitation with the use of wearable movement sensors;
- Smartphone-based movement monitoring;
- Systematic reviews on wearable movement sensors usage.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

Editor-in-Chief

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