Special Issue

Advanced Measurement Systems for the Multiphysics Characterization and Diagnostics of Biological Tissues

Message from the Guest Editors

This Special Issue aims to collect high-quality contributions (original research articles, reviews, and case studies) addressing advances, challenges, and emerging applications of advanced measurement techniques, sensors, and monitoring systems for the multiphysics characterization and diagnostics of biological tissues.
Recommended topics include, but are not limited to, the following:
-Measurement systems for tissue optical properties and optical signatures of pathology;
-Spectroscopy and spectroscopic imaging for tissue assessment;
-Biomechanical characterization and correlations with disease progression;
-Thermal property measurements;
-Dielectric property characterization;
-Tissue measurements under controlled or varying conditions;
-Multimodal approaches and techniques for characterization and imaging of tissues;
-Ex vivo/in vivo tissue measurements;
-Tissue-mimicking phantoms;
-Intraoperative, bedside, and point-of-care measurement systems for real-time tissue diagnostics and guidance;
-Calibration, traceability, uncertainty analysis, repeatability, and standardization in biomedical and tissue measurements.

Guest Editors

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Dr. Marta Cavagnaro
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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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