Special Issue

Exploring the Potential of Scanning Probe Microscopy for Biomedical Applications

Message from the Guest Editor

Scanning Probe Microscopy (SPM) revolutionizes biomedical research by enabling nanoscale exploration within biological systems. It offers high-resolution imaging, characterization, and manipulation capabilities. SPM delves into cell morphology, mechanics, and interactions in cell biology, enhancing our grasp of cellular processes. SPM extends to biomolecule imaging, drug delivery, and nanomedicine, contributing to understanding individual biomolecules. Its non-destructive nature allows live cell and tissue studies, offering insights into dynamic biological processes. As technology advances, SPM drives innovation in diagnostics, therapeutics, and tissue engineering. To showcase these advancements, we are launching a Special Issue, 'Exploring the Potential of Scanning Probe Microscopy for Biomedical Applications.' We welcome submissions of original research articles, letters, and reviews on biomolecule imaging, biomechanics, drug delivery, nanomedicine, single molecule spectroscopy, biomarker detection, tissue engineering, and neuroscience. Join us in exploring SPM's potential in shaping the future of biomedical science.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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