Special Issue

Biosensors and MEMS-based Diagnostic Applications

Message from the Guest Editor

Biosensors and micro-electromechanical systems (MEMS) have witnessed rapid development and enormous interest over the past decades. Constant advancement in diagnostic, medical and chemical applications has been demonstrated with regard to several platforms and tools. Biosensors, relying on various sensing platforms such as surface plasmon resonance, piezoelectric, electrochemical, lab-on-a-chip, and paper, have been broadly used in research. The aim of this Special Issue is to cover biosensors and MEMS-based diagnostic applications in health care, chemistry, biotechnology, food safety and environmental monitoring. We invite full research papers, review articles and communications covering related topics included in the keywords below. We would like to collect up-to-date research from emerging investigators and pioneers and a collection of comprehensive reviews from leading experts in the field.

Guest Editor

Prof. Dr. Zeynep Altintas
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Deadline for manuscript submissions

closed (15 December 2020)

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About the Journal

Message from the Editor-in-Chief

Micromachines (ISSN 2072-666X) is a forum for cutting-edge interdisciplinary research on micro and nanoscale science and technology. We emphasise the practical, real-world value of micro and nanotechnologies that will place *Micromachines* in a leading position among engineering and technology journals.

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