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Biosensors for Biomedical and Environmental Applications

Dear Colleagues,

Guest Editor:

Message from the Guest Editor

Dr. Antonella Battisti NEST, Istituto Nanoscienze-CNR and Scuola Normale Superiore, I-56127 Pisa, Italy

Deadline for manuscript submissions: closed (30 June 2023) Environmental Applications". Biosensors are powerful tools in the detection of biomarkers, pollutants, xenobiotics and contaminants, and their evolution has the power to significantly improve medical diagnosis processes as well as environmental health monitoring.Biosensors can be categorized depending on their sensing element, the relevant support and great scientific effort has been devoted to improving

We are pleased to announce a Special Issue of

Micromachines focusing on "Biosensors for Biomedical and

and great scientific effort has been devoted to improving and optimizing all these aspects in order to enhance the selectivity and sensitivity of existing sensors. Contributions stemming from chemistry, physics, engineering, computation and medicine intertwine and complement one another, making research in this multidisciplinary field vibrant and dynamic.

This Special Issue aims to provide an overview regarding recent advances in the design and production of novel biosensors, with special focus on novel sensing elements, immobilization techniques, detection strategies and miniaturization. Particular emphasis is placed on aspects related to the micro- and nano-conception of these devices.

Dr. Antonella Battisti Guest Editor Specialsue



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Editor-in-Chief

Message from the Editor-in-Chief

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