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Enabling Technologies for Biosensors

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Message from the Collection Editors

Dear Colleagues,

Biosensors are devices endowed with the ability of sensing and quantifying the presence of molecules of biological origin, possibly utilizing also biological molecules to probe some analytes either in vivo or in vitro.

Sample preparation, sample translation, analyte exposure to sensing elements, signal transduction, amplification, data acquisition and storage, data readout and evaluation are only some examples of needed stages.

As such, biosensors rely on both well established and developing technologies such as micro to nanoelectronics, optics, microfluidics, (electro)chemistry, diverse biotechnologies (PCR, protein engineering, protein heterologous overexpression, phage display, solid state peptide synthesis...), combinatorial chemistry, surface functionalization, AI, just to quote some.

Therefore, this Special Issue aims to collect the latest scientific and technological advances in any relevant enabling technology impinging on the development and improvement of biosensors.

For detailed information, please visit [here](#).

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Guest Editors



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Topical Collection



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Message from the Editor-in-Chief

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