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Advanced Designs of Materials, Devices and Techniques for Biosensing

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Deadline for manuscript submissions:

closed (30 June 2022)

Message from the Guest Editors

Sensing approaches at the cutting edge of the chemistry, physics, and biology of functional materials involve either affinity assays with ligands of the target analyte, live cells, or biomimetic structures immobilized onto tailored sensor chips, in 2D or 3D arrangements, or alternatively, coupled with functional materials integrated within the transducing layer(s) of the sensor. Thus, the aim of this Special Issue is to publish and disseminate original research data, review articles, communications, and short notes that focus on new (experimental or theoretical) advances, challenges, and outlooks concerning the design, construction, and characterization of sensing chips/devices and of related analytical techniques for biosensor development.

We invite contributions on topics that include but are not limited to various state-of-the-art biosensing technologies. As Guest Editors, we warmly invite you to submit manuscripts for this Special Issue entitled “Advanced Designs of Materials, Devices and Techniques for Biosensing”.





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Message from the Editor-in-Chief

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