



## Advanced Designs of Materials, Devices and Techniques for Biosensing

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### 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

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers fourteen comprehensive topics: Biomaterials; Energy Materials; Composites; Structure Analysis; Porous Materials; Manufacturing Processes; Advanced Nanomaterials; Smart Materials; Thin Films; Catalytic Materials; Carbon Materials; Materials Chemistry; Materials Physics; Optics and Photonics; Corrosion; Building Materials. The distinguished and dedicated editorial board and our strict peer-review process ensure the highest degree of scientific rigor and review of all published articles.

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