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# **Current Advance in Transistor-Based Biosensors for Diagnostics**

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Deadline for manuscript submissions:

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## **Message from the Guest Editors**

Transistor-based biosensors have exhibited outstanding performances in the last decade in terms of selectivity, limit of detection, and portability. Thanks to the properties of active materials, transistor-based biosensors can be realized on flexible substrates with cost-effective printing techniques, characteristics that make these devices suitable to realize diagnostic platforms at the point of care.

This Special Issue aims to collect papers on the latest advances in the field of biosensing for diagnostics, underlining proof-of-concept innovations in terms of technology, targets, and portability. Applications to achieve biosensing with samples from patients and technological solutions for point-of-care applications are welcome.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: field-effect transistor (FET) biosensors for diagnostics based on organic semiconductors, carbon nanotubes, graphene, and inorganic semiconductors; microfluidics platforms for FETs; and new device architectures for point-of-care applications.













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## Message from the Editor-in-Chief

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