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Portable Biosensors for Rapid Detection

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Message from the Guest Editors

Dear Colleagues,

In a new era of mobile healthcare and point-of-care testing, the need for fast, portable, and efficient diagnostic tools is growing. Biosensors offer many advantages over traditional laboratory assays in terms of sensitivity, accuracy, and rapid response and potential portability. They are now considered a promising alternative tool and one of the most accessible rapid detection methods in relation to field use and end users.

The importance of portable biosensors has been widely recognized, and many studies have explored their potential applications in food safety, clinical diagnostics, personalized medicine, global health, environmental monitoring, etc. This Special Issue aims to analyze recent trends in portable biosensors, especially in connection with nanotechnology, genetic engineering, microfluidics, MEMS, and mobile devices.

For more information, please see: mdpi.com/si/168550



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Special Issue



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Message from the Editor-in-Chief

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