



## Portable Biosensing Systems for Point-of-Care Diagnostic Applications

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### Message from the Guest Editors

Dear Colleagues,

The field of bioanalytical and point-of-care diagnostic platforms is constantly changing and evolving, taking advantage of developments in biosensing technologies, materials and technology innovations. Modern healthcare systems rely more on interfacing to our digital world, contributing to the trend of the Internet of Things, and more generally providing the long sought-after rapid and efficient monitoring and detection of various diseases. The major challenge for Point-of-Care diagnostics still lies in complying with the ASSURED criteria (Affordable, Sensitive, Specific, User friendly, Robust and Rapid, Equipment-free and Deliverable to end-users), as defined by the World Health Organization.

This Special Issue aims showcasing several point-of-care diagnostic solutions, covering a broad range of techniques, materials and methods employed to satisfy the ASSURED criteria. We wish to cover research works that focus on either a full Point-of-Care solution (e.g., lab-on-chip) or innovative parts of it (e.g., microfluidics, sample preparation units, control/detection/processing electronics) that mainly demonstrate diagnostic accuracy and clinical value for individuals and healthcare systems.

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