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Microneedle Diagnostics

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Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editors

Dear Colleagues,

Microneedles are microdevices designed to penetrate biological membranes such as the skin and the cornea. They are an emerging technology with applications in drug delivery and medical diagnostics. Various microneedle diagnostic devices have been developed for blood glucose monitoring and the detection of other medical conditions, such as skin cancer and infections. Such devices boast the ability to sample or analyse interstitial fluids or capillary blood in a minimally invasive manner. As such, they have been considered potential replacements for invasive diagnostic procedures. With the renewed interest in efficient diagnostic technologies instigated by recent events, including the coronavirus pandemic, it is timely to now examine the state of the art and the future directions of microneedle diagnostics. In this special issue, we welcome contributions of reviews and original articles offering insights on the latest challenges and advances in microneedle diagnostic technology.



mdpi.com/si/79736

Special Issue



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Message from the Editor-in-Chief

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