

Special Issue

Micromachines for Dielectrophoresis

Message from the Guest Editor

Dielectrophoresis (DEP) remains an effective technique for the label-free identification and manipulation of targeted particles. Applications are numerous, ranging from clinical diagnostics and therapeutics to advanced manufacturing. This Special Issue emphasizes novel techniques and processes to fabricate the next generation of devices that further widens the use of DEP. These innovations include new materials and geometries, volumetric 3D structures, cost-reducing approaches, large-scale manufacturing, and disposable devices. Submissions that assess the effect of process parameters on the performance of DEP devices are particularly encouraged. Submissions integrating modeling and experimentation are preferred.

Guest Editor

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Deadline for manuscript submissions

closed (15 February 2020)



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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Ai-Qun Liu

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