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Electrokinetic Flows and Micropumps

Guest Editor:

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Deadline for manuscript submissions:

closed (30 June 2022)

Message from the Guest Editor

Dear Colleagues,

"Electrokinetic Flows and Micropumps" is a Special Issue of Micromachines targeted at the exchange of state-of-the-art research ideas related to the recent development of Electrokinetic electrokinetic micropumping theory. micropumps have no moving parts but possess a perfect frequency response and the ability to precisely deliver flow at high-pressure and low flow rates. These attributes make them ideally suited for the control of flow in many biomedicine applications. Accordingly, the main objective of this Special Issue is to provide a unique opportunity to share and discuss theoretical science, experimental techniques. fabrication developments. and novel applications of electrokinetic micropumps in biomedicine.

This Special Issue shall consider the publication of research or review articles that address recent discoveries and developments in electrokinetic micropumps. This collection of papers will hopefully bring out more innovative ideas and fundamental insights in the general field of electroosmotic flows.

Prof. Dr. Yasser Aboelkassem Guest Editor













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Editor-in-Chief

Message from the Editor-in-Chief

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