Special Issue

Advances in Polymer-Based Materials and Fabrication Processes for Microfluidic Applications II

Message from the Guest Editors

The microfluidic field is attracting increasing attention and activity in a wide variety of scientific areas, as it provides miniaturized and powerful alternative platforms for conventional analysis techniques. However, despite the initial success of the field and active academic developments, there is a strong need for new concepts, materials, and fabrication processes in order to successfully reach widespread applications. Thus, the area of microfluidics has a need for novel materials, as an alternative to the commonly used silicon, glass, and polydimethylsiloxane (PDMS), as well as innovative and cost-effective fabrication methods. The wide range of polymer properties, their typically low costs, and the development of suitable polymer microfabrication methods, including printing technologies, have attracted increasing interest in this field.

This Special Issue aims to highlight the latest advances on the subject, from the development of materials to advanced processing technologies and practical applications of these polymer-based microfluidic platforms.

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Micromachines (ISSN 2072-666X) is a forum for cutting-edge interdisciplinary research on micro and nanoscale science and technology. We emphasise the practical, real-world value of micro and nanotechnologies that will place *Micromachines* in a leading position among engineering and technology journals.

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