Special Issue

3D-Printed Microdevices: From Design to Applications

Message from the Guest Editors

Three-dimensional printing has become an interesting tool for the prototyping and fabrication of new devices and microdevices with versatility, quickness, and low cost. The advent of this technology has also allowed the improvement of manufacturing processes, which enable the fabrication of new designs with higher printing accuracy and lower material expenditure, especially when it comes to miniaturized and portable devices. In this context, high-quality devices can be directly produced in research laboratories, bringing scientific research and industry closer. A wide range of 3D techniques, printers, and materials have been explored for this purpose, depending on the application (i.e., biological, medical, chemical, and engineering, among others). Thus, this Special Issue focuses on the design of new 3D printing microdevices for several applications.

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