

Special Issue

Paper Microfluidics and Applications

Message from the Guest Editors

As an efficient, convenient, and cheap tool of current analytical science, paper-based microfluidic technology plays critical roles in many fields, such as disease detection, environmental monitoring, food quality inspection, etc. In recent years, paper-based microfluidics has been rapidly growing as an interdisciplinary research field. By adding various components for fluid control, paper-based microfluidics can easily realize multistep assay. The birth and sustainable development of paper-based microfluidic technology create unlimited possibilities for applications of point-of-care testing (POCT), especially in rural communities. To this end, many paper-based microfluidic technologies and components have been developed to provide alternative solutions to problems that cannot usually be visualized outside of the laboratory. Thus, the design and development of paper-based microfluidics establish the application found in various fields.

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