

Special Issue

Inkjet Bioprinting

Message from the Guest Editor

The rapid growth of the world's population and the increase of human life expectancy has been leading to an increase in demand of organs for transplant. Bioprinting is one of the most up-and-coming tissue engineering branches on the path to produce viable tissue for implantation, and it will be addressed and discussed in this Special Issue. Recent advances have enabled 3D printing of biocompatible materials, cells and supporting components into complex 3D functional living tissues. Compared with laser and extrusion techniques, ink-jet technology can more easily fabricate complex and heterogeneous parts with a resolution defined by the size of each droplet. As such, droplet-based techniques have been favored in many pixel-by-pixel, layer-by-layer biofabrication applications instead of layer-by-layer only.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials (JFB)* is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama

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