# Special Issue 3D Printing in Biomedicine

# Message from the Guest Editors

3D printing, also known as additive manufacturing, has become the forefront of research in biomedical fields. 3D printing enables fabrication of patient specific devices and tissue constructs, making attractive, alternative therapeutic solutions for medical applications. This manufacturing technology is currently used in large varieties of medical applications including dentistry, anatomical models, medical devices, tissue engineering scaffolds/models, and drug formulation. 3D bioprinting, refers to printing living cells and biomaterials, has enabled highly-controlled assembly of cell-laden hydrogels as well as cell suspensions and spheroids as "bioinks". There is a growing demand to develop novel printable biomaterials and bioinks to achieve desired properties such as printability and enduse properties (biomechanics, degradation, bioactivity, etc.). Our topics includes development of novel (bio)printing technologies and open source (bio)printers, design and utilization of printable biomaterials and bioinks, development of imaging technologies and software for (bio)printing, medical applications of 3D printing, regulatory issues and potential solutions.

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# Deadline for manuscript submissions

closed (31 August 2021)



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Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/47142

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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

#### Editor-in-Chief

#### Prof. Dr. Alexander Böker

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