

Special Issue

Advanced Dynamic Cell and Tissue Culture

Message from the Guest Editors

The current Special Issue wants to highlight new strategies for the development of bioprocesses for organ specific cell cultivation as well as stem cell expansion and differentiation. New designs for 3D cell culture approaches including co-cultures and scalable systems shall be presented and applications are welcome from the whole field of cell based therapies and in vitro tests. This issue is open for papers addressing:

- 3D biomaterials for cell and tissue culture
- Bioreactor design and optimization including automation
- Microfluidics (e.g. organ on a chip)
- Stem cell expansion and differentiation including tissue engineering approaches
- Application of physiological conditions including mechanical stimulation
- Sensors and monitoring devices in 3D cell cultures

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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