

Special Issue

Bioengineering Liver Transplantation

Message from the Guest Editors

The aim of this Special Issue is to review, understand, and evaluate new and exciting opportunities from the field on regenerative medicine, biomaterials, and stem cell research for the bioengineering of human liver grafts that can be applied for transplantation and personalized treatment of end-stage liver disease. In this Special Issue, we welcome reviews and original papers focussing on hepatic cell sources, including adult hepatic stem cells, organoids, fetal and induced pluripotent stem cells, and primary cells (i.e., hepatocytes, cholangiocytes, and endothelial cells) and how these cells can be applied in tissue engineering strategies to generate implantable and personalized liver grafts. Potential topics include, but are not limited to, the following: liver tissue engineering, liver regeneration, graft repair, liver stem cells and organoids, bio-scaffolds, and 3D printing. Keywords

- Tissue Engineering
- Liver regeneration
- Graft repair
- Liver stem cells & organoids
- Bio scaffolds
- Bio printing

Guest Editors

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About the Journal

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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