

Special Issue

Recent Advances in Cardiac MRI

Message from the Guest Editors

This Special Issue is dedicated to showcasing cutting-edge methods in cardiac MRI acquisition and processing, bridging the gap between fundamental research and clinical application. Topics to be explored include, but are not limited to, the following:

- Innovative cardiac MRI reconstruction techniques, focusing on the development and clinical integration of AI-driven algorithms.
- Innovative cardiac MRI post-processing applications, including denoising, segmentation, and super-resolution.
- Techniques and applications of novel fast imaging acquisition methods.
- Advanced techniques and applications for first-pass perfusion cardiac MRI.
- Techniques and applications in non-contrast parametric mapping.
- Development of new imaging biomarkers.
- Development and applications of novel cardiac MRI sequences, such as 4D flow sequences.
- Novel clinical practices of cardiac MRI.
- Development and applications of non-breath-hold and non-ECG-gated cardiac MR techniques.
- Novel contrast agents for cardiac MRI.

Guest Editors

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Deadline for manuscript submissions

30 June 2026



Bioengineering

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



mdpi.com/si/226934

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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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