



an Open Access Journal by MDPI

AI in MRI: Frontiers and Applications

Guest Editors:

Dr. Or Perlman

Massachusetts General Hospital
and Harvard Medical School,
Boston, MA, USA

Dr. Efrat Shimron

Department of Electrical
Engineering and Computer
Sciences (EECS), UC Berkeley,
Berkeley, CA, USA

Deadline for manuscript
submissions:

closed (1 February 2023)

Message from the Guest Editors

Recent advances in artificial intelligence (AI) have created tremendous opportunities for improving the capabilities of medical imaging. Magnetic resonance imaging (MRI), in particular, is a highly versatile modality that may greatly benefit from the incorporation of AI along different points of the imaging pipeline. Recent studies have demonstrated the potential use of AI for scan time reduction, improved disease classification/segmentation, extraction of quantitative parameters from low signal-to-noise-ratio images, and automatic protocol design. This Special Issue of *Bioengineering*, titled “*AI in MRI: Frontiers and applications*” will include new and exciting results from original research endeavors, reviews of the state of the art, and highlights of the upcoming challenges and opportunities in the field.



mdpi.com/si/121043

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Biomedical*)

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2023).

Contact Us

Bioengineering Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/bioengineering
bioengineering@mdpi.com
[X@Bioeng_MDPI](https://twitter.com/Bioeng_MDPI)