

Special Issue

Artificial Intelligence in Auto-Diagnosis and Clinical Applications

Message from the Guest Editors

Recently, artificial intelligence (AI) techniques have revolutionized many fields, including healthcare, disease diagnosis, staging, treatment, surgical planning, etc., and they have the potential to transform the way we approach medical diagnosis and treatment. This boost in AI technology has led to great advancements in the translation of AI algorithms from research to real clinical practice. This Special Issue, therefore, seeks original contributions (articles, reviews, comments, etc.) involving the processing of medical and clinical images, AI algorithm development, medical device and software development, and image-quality improvements. Topics include, but are not limited to, the following:

- Medical data processing and analysis;
- Deep learning and machine learning for bioengineering;
- Deep learning and machine learning for clinical applications;
- Biomedical and health informatics;
- Synthetic medical image generation;
- Medical auto-analysis and disease-progression predictions;
- Explainable AI in medicine;
- Artificial intelligence medical systems.

Guest Editors

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Deadline for manuscript submissions

closed (15 March 2024)



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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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