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## Artificial Intelligence and Beyond in Medical and Healthcare Engineering: Volume II

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Deadline for manuscript  
submissions:  
**closed (10 June 2023)**

### Message from the Guest Editors

In this Special Issue, we will focus on the vast range of new algorithms for medical image processing, analysis, and quantification. Machine learning, especially deep learning, has recently been widely investigated, and its power has been demonstrated in medical image segmentation, registration, classification, response prediction, etc. For this Special Issue, we welcome manuscripts describing the use of unsupervised or supervised learning based on statistical and mathematical models for all the above clinical tasks. Other topics of interest include but are not limited to new algorithms for medical image segmentation, registration, disease response prediction, classification, image quality enhancement, image construction, and new systems in computer-aided diagnosis, perception, image-guided procedures, biomedical applications, informatics, radiology, and digital pathology.

In this Special Issue, we welcome both original research papers and review articles on diverse topics such as:

- artificial intelligence
- deep learning
- statistical model
- medical image processing
- prediction
- personalized medicine
- digital health
- patient satisfaction
- computer-aided systems
- deep medicine



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# Special Issue



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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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