

## Special Issue

# Artificial Intelligence in Biomedical Engineering: Challenges and Developments

### Message from the Guest Editor

This Special Issue titled “Artificial Intelligence in Biomedical Engineering: Challenges and Developments” explores the integration of AI technologies into the field of biomedical engineering. With a focus on applications such as medical image analysis, disease diagnosis, and personalized medicine, this issue provides a platform for researchers to showcase recent advancements and address current challenges. By fostering interdisciplinary dialogue and collaboration, it aims to accelerate innovation in healthcare and contribute to the ongoing evolution of AI-driven biomedical engineering. Scope: The scope encompasses a wide range of topics within the realm of AI in biomedical engineering. This may include, but is not limited to, the following:

- Application of machine learning and deep learning algorithms in medical image analysis.
- AI-driven approaches for disease diagnosis and prognosis.
- Utilization of AI techniques in healthcare data analytics and personalized medicine.
- Development of AI-based medical devices and systems.
- Ethical considerations and societal impacts of AI adoption in healthcare.
- Explainability in medical deep learning approaches.

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### Guest Editor

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### Deadline for manuscript submissions

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## AI

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## About the Journal

### Message from the Editor-in-Chief

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