

Special Issue

Emerging Artificial Intelligence Trends for Predictive Analytics and Personalized Healthcare

Message from the Guest Editors

The next big technology to revolutionize healthcare will be artificial intelligence (AI). AI is increasingly present in the prevention, diagnosis, treatment and monitoring phases of subjects. The models that are being implemented allow for the implementation of personalized medicine, which aims to offer tailored strategies for defined groups of people. With regard to AI models, in addition to the most commonly used classical methods—such as Artificial Neural Networks and Genetic Algorithms—Deep Neural Networks, emerging trends like Generative Adversarial Networks (GANs), and Federated Learning are technologies that have the capacity to improve the outcomes of these processes. Topics of interest for this Special Issue include, but are not limited to, the following:

- Machine learning in medicine, medically oriented human biology, and healthcare.
- Advanced data processing for human physiology.
- Wearable sensor data processing for the assessment of health conditions.
- Data analytics and mining for biomedical decision support.
- AI models leading to personalized medicine for the prediction and prevention, diagnosis, and treatment of disease.

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Deadline for manuscript submissions

closed (31 July 2026)



Bioengineering

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Impact Factor 4.4
CiteScore 7.5
Indexed in PubMed



mdpi.com/si/233398

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Editor-in-Chief

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