

## Special Issue

# Application of Artificial Intelligence Technology in Medical Engineering

### Message from the Guest Editor

The application of artificial intelligence (AI) in medical engineering is set to revolutionise the healthcare and medical sectors. AI will enable significant improvements at all stages of the medical process, including diagnosis, treatment, follow-up, and related management. With the incorporation of intelligent systems, clinical decisions can be supported, enabling faster and more accurate diagnoses. Its integration into medical protocols will encompass various areas, such as the analysis of imaging tests, robotic interventions, use of smart sensors, and AI-based predictive models that can increase surgical accuracy through real-time and pre-studies. The implementation of AI in this sector is expected to improve both practitioner practice and patient outcomes. In hospital systems, AI optimises workflow and resource allocation, improves efficiency, and reduces costs. In short, the study and development of AI integrated with medical engineering will be fundamental to achieving a qualitative leap in the improvement of healthcare, promoting growth toward a paradigm of precision medicine centred on the patient and healthcare professionals themselves.

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### Guest Editor

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## Applied Sciences

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### Editor-in-Chief

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