

Special Issue

Artificial Intelligence (AI) in Bioengineering

Message from the Guest Editors

Neuromorphic computing is an interdisciplinary field that draws inspiration from the structure and function of the human brain to design computing systems. It involves creating hardware and software that simulate neural and synaptic structures, enabling parallel processing and real-time learning for biomedical applications. This approach is particularly well suited for medical tasks involving biomedical pattern recognition, biosignal processing, and adaptive biomedical device control. This Special Issue aims to bring together the latest research and developments in the field of neuromorphic computing in bioengineering applications, highlighting innovative biologically-inspired approaches, theoretical advancements, and their applications in biomedical systems.

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