# **Special Issue**

# Intelligent Robotics for Precision Medicine and Advanced Manufacturing

## Message from the Guest Editors

This Special Issue aims to disseminate cutting-edge research in the field of intelligent robotics and its transformative applications in precision medicine and advanced manufacturing. We welcome contributions covering a broad spectrum of topics, including (but not limited to) robotic system design, sensing and perception, Al-based planning and control, humanrobot collaboration, and real-world implementation challenges. Intelligent robotics is crucial for facilitating innovation in areas such as minimally invasive surgery, personalized rehabilitation, drug discovery, highprecision assembly, adaptive automation, and agile production. Advances in machine learning, computer vision, soft robotics, and human-in-the-loop control continue to expand the possibilities for more responsive, reliable, and autonomous systems. This Special Issue seeks to highlight pioneering methodologies, experimental validations, and integrative approaches that bridge the gap between theoretical research and practical deployment.

### **Guest Editors**

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### Deadline for manuscript submissions

20 April 2026



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