

## Special Issue

# Innovations in Smart Materials for Soft Robotics and Adaptive Systems

### Message from the Guest Editor

Recent advances in smart materials are driving innovation in soft robotics and adaptive systems, enabling technologies that can sense, respond, and reconfigure in dynamic environments. This Special Issue invites contributions on the design, fabrication, and integration of advanced functional materials, with emphasis on their role in adaptability, multifunctionality, and human–machine interaction.

Topics of interest include conductive polymers and gels, nanocomposites, electroactive polymers, and stimuli-responsive materials, as well as their application in soft robots, adaptive actuators, wearable and assistive technologies, and biomedical devices. Regarding healthcare, we also welcome studies on patient-specific phantoms, anatomically realistic models, and smart materials for implantable devices, tissue engineering, and wearable health monitoring. We particularly encourage contributions on eco-friendly materials, biodegradable composites, green manufacturing, and additive manufacturing—including 3D and emerging 4D printing.

### Guest Editor

Dr. Lorenzo Migliorini

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### Deadline for manuscript submissions

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### Message from the Editor-in-Chief

*Eng* (ISSN 2673-4117) is an international, peer-reviewed open access journal which publishes original papers, critical reviews, rapid communications, technical notes, and discussions on all areas of engineering.

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