

## Special Issue

# Integration of MEMS, 3D Printing, and Nano-Enabled Technologies in Wireless Communication and Sensing Systems

### Message from the Guest Editors

This Special Issue highlights the latest research and developments in reconfigurable wireless communication and sensing systems, with a focus on interdisciplinary approaches that combine MEMS, 3D printing, and nanotechnology. Topics include but are not limited to the following:

- Design and fabrication of reconfigurable antennas and sensors using MEMS and 3D printing;
- Nano-enabled materials for enhanced signal processing, energy harvesting, and sensing capabilities;
- Applications in IoT, 5G/6G networks, healthcare, environmental monitoring, and smart infrastructure;
- Challenges and opportunities in the scaling, integration, and commercialization of these technologies.

By bringing together contributions from leading researchers and industry experts, this Special Issue will provide a comprehensive overview of the state of the art and inspire future innovations in reconfigurable wireless communication and sensing systems. We invite original research articles, reviews, and case studies that demonstrate the transformative impact of MEMS, 3D printing, and nano-enabled technologies in this dynamic field.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2025)



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## About the Journal

### Message from the Editor-in-Chief

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### Editor-in-Chief

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