

## Special Issue

# Future Wireless Communication and IoT for Cybersecurity

### Message from the Guest Editors

This Special Issue invites cutting-edge research on the intersection of future wireless communication technologies and cybersecurity. We are particularly interested in exploring emerging IoT communication technologies like Low-Power Wide-Area Networks (LPWAN) and Narrowband IoT (NB-IoT), as well as advancements in Nano-IoT, quantum communications, and quantum computing, and their security implications. **Topics of Interest:**

- Secure wireless communication protocols for IoT devices;
- Cybersecurity challenges in 5G/6G networks;
- Intrusion Detection Systems (IDS) for IoT environments;
- Blockchain technology for IoT security;
- AI and machine learning in IoT cybersecurity;
- Privacy-preserving techniques in IoT and wireless communication;
- Threat detection and response strategies in IoT networks;
- Security considerations in LPWAN and NB-IoT technologies;
- Quantum communications and their impact on IoT security;
- Quantum computing for enhancing cybersecurity in wireless communication and IoT;
- Nano-IoT (nanosensors, nanodevices) and their cybersecurity implications.

### Guest Editors

Dr. Ismail Butun

Dr. Amar Amouri

Dr. Manel Khelifi

### Deadline for manuscript submissions

31 December 2025



## Sensors

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## About the Journal

### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

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