

## Special Issue

# Advanced Technologies and Applications of Microwave and Millimeter Wave

### Message from the Guest Editor

In recent years, significant progress has been made in microwave and millimeter wave technology, with applications ranging from telecommunications, including 5G/6G mobile technologies, to diagnostic systems contributing to sustaining safety and security. Advanced technologies in this field include the development of low-noise amplifiers, detectors/mixers, advanced antennas, and system-on-chip technologies, including those devices. These technologies are essential for applications such as satellite communications, radar systems, and high-speed wireless networks. They are also particularly exploited for their ability to provide high-resolution imaging and sensing, which is beneficial for automotive radar, security scanning, and medical imaging applications. This Special Issue focuses on the latest advances in microwave and millimeter-wave technologies, exploring their multiple applications in various fields. Contributions may include theoretical studies, designing/fabrication of devices and systems, and their practical implementations, all aimed at addressing the challenges and opportunities presented by these advanced technologies.

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### Guest Editor

Prof. Dr. Atsushi Mase  
Global Innovation Center, Kyoushu University, Kasuga, Japan

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### Deadline for manuscript submissions

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## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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