

## Special Issue

# Broadband Mobile Communication System

### Message from the Guest Editor

Passive body area networks (PBAN) are emerging as wireless body area networks (WBANs) and passive Internet of Things (pIoT) technologies in the evolution of intelligent connectivity, particularly within healthcare, personal monitoring, and sustainable industrial applications. PBANs enable real-time, low-power data collection using wearable and implantable sensors, revolutionizing personalized healthcare and biomedical monitoring. Meanwhile, PBAN systems, which operate without batteries by harnessing energy from the environment, offer massively scalable and maintenance-free solutions for applications in smart environments, logistics, and asset tracking. This Special Issue aims to explore innovative designs, protocols, and implementations that integrate WBAN and pIoT with next-generation communication systems such as 5G-Advanced and 6G. We welcome contributions that address key challenges such as ultra-low power operation, miniaturization, security, reliability, and seamless integration into broader IoT ecosystems.

### Guest Editor

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### Deadline for manuscript submissions

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## Electronics

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### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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