Special Issue

Terahertz Electromagnetic and Molecular Nano Communications

Message from the Guest Editors

The Terahertz (THz) (0.1-10 THz) electromagnetic (EM) and molecular nano communication have emerged as promising areas of research with the potential to revolutionize communication systems at the nanoscale. THz band, lying in the frequency range between microwaves and infrared light, enables high-speed, ultra-broadband EM communication with applications ranging from the software-defined metamaterials and Internet of Nano-Things (IoNT) to wireless networks on chip (WiNoC) and in-body communication. On the other hand, molecular nano communication explores the utilization of molecules as carriers for information exchange, enabling communication at the nanoscale targeting the biomedical domain with respect to Internet of Bio-Nanothings (IoBNT). This Special Issue seeks original research papers, review articles, and case studies that address various aspects of terahertz electromagnetic and molecular nano communication.

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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.

Editor-in-Chief

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