Special Issue

New Challenges in Terahertz Detectors

Message from the Guest Editor

The development of new terahertz detectors is still an interesting and exciting topic. The progress is driven by new application needs, as well as new discoveries in basic science. The unique properties of THz radiation make it useful for various fields. Astronomy, security, and medicine are the traditional fields of use. However, nondestructive inspection and wideband telecommunication are also being intensively investigated. The Special Issue on terahertz detectors will focus on lens knowledge and achievements from microelectronics, high frequency electronics, nanodevices, material science, infrared branch, optics, radiometry, thermal phenomena, and many others. This implies a large variety of detection mechanisms. This Special Issue will address the current challenges in terahertz detectors. Papers that describe the design, modelling, fabrication, or experimental verification are invited. Descriptions of THz detectors applications are also welcomed.

Guest Editor

Dr. Przemysław Zagrajek
Institute of Optoelectronics, Military University of Technology, Kaliskiego 2, 00908 Warsaw, Poland

Deadline for manuscript submissions

closed (20 September 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/75674

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)