



## Progress and Application of Electromagnetic Materials

Guest Editor:

**Dr. Xiaojian Fu**

School of Information Science  
and Engineering, Southeast  
University, Nanjing, China

Deadline for manuscript  
submissions:

**closed (30 April 2023)**

### Message from the Guest Editor

Electromagnetic materials refer to materials that can manipulate electromagnetic waves, which can control the amplitude, phase, polarization, spectrum, and other characteristics of electromagnetic waves. In addition to natural materials, such as magneto-dielectric electromagnetic materials and various natural electromagnetic shielding materials, the research on artificial electromagnetic materials, also known as metamaterials, has also received extensive attention from researchers in recent years. Metamaterials refer to a kind of artificially structured media composed of periodically or non-periodically arranged subwavelength unit cells, which achieve exotic electromagnetic properties beyond the limits of naturally occurring materials. Metamaterials have shown significant applications in invisibility cloaks, lenses, antennas, etc. Metasurfaces, the two-dimensional counterpart of metamaterials, are attracting more and more attention recently. Metasurfaces have been widely reported with various functions, such as anomalous refraction, polarization conversion, vortex beam generation, holographic imaging.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

## Contact Us

Applied Sciences Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/Applsci)