Special Issue

Recent Advances in Electromagnetic, Acoustic and Mechanical Metamaterials

Message from the Guest Editors

In recent decades, we have witnessed a rapid growth in the study of metamaterials, which have attracted increasing attention from researchers not only from the academic community seeking to further understand metamaterials, but also from industries seeking to apply this technology to products. The main theme of this Special Issue is to create a platform for researchers and engineers to promote the research in the exciting field of wave manipulation via electromagnetic, acoustic and mechanical metamaterials. The topics will include, but are not limited to:

- Electromagnetic, acoustic and mechanical metamaterials/metasurface;
- Large-scale and hybrid metamaterials design and fabrication;
- Tunable, reconfigurable and programmable metamaterials;
- Artificial-intelligence-driven metamaterials and device designs;
- Advance in cloaking and invisibility;
- Metamaterials for electromagnetic shielding and absorption;
- Metamaterials for acoustic sensing and detecting;
- Metamaterials for noise and vibration control;
- Chiral and bianisotropic metastructures;
- Topopogical insulators.

Guest Editors

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Deadline for manuscript submissions

closed (20 July 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/128735

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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.

Editor-in-Chief

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