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Recent Advances in Phononic Crystals and Metamaterials

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Message from the Guest Editors

This Special Issue provides a unique forum for the discussion and presentation of recent advances in the fields of research related to phononic crystals and metamaterials. Scientists working in this broad field are invited to present their work in this Issue, related to (but not limited to) the following topics:

- Linear and nonlinear wave propagation in periodic structures;
- Acoustic/elastic metamaterials and phononic crystals;
- Acoustic/elastic metasurfaces;
- Acoustic/elastic meta-devices based on transformation acoustics, parity-time symmetric acoustics, topological acoustics;
- Novel physical concepts for harnessing acoustic/elastic waves;
- New applications of metamaterial-based functional devices for acoustic sensing, cloaking, imaging, absorption, and energy harvesting;
- Non-reciprocal manipulation of acoustic/elastic waves.

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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.

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