

## Special Issue

# Band Gaps in Phononic Crystals and Metamaterials in Static and Moving Medium

### Message from the Guest Editors

Phononic crystals, aperiodic structures or metamaterials allow for the development of devices for wave control, environmental noise reduction, focusing and collimation, and even earthquake protection.

Contributions should focus on new theoretical or experimental achievements in the field of structures allowing the control of mechanical waves. Importantly, the influence of the environment in which phononic structures function should not be ignored—for example, acoustic waves propagating in the air or in fluids are influenced by the speed of the medium or turbulent disturbances occurring during interactions with obstacles, which has a significant impact on the occurrence and frequency range of the phononic band gaps.

It is our pleasure to invite you to submit a manuscript for this Special Issue related to experimental and numerical studies of wave phenomena in phononic structures. Full papers, short communications, and reviews are all welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2022)



## Materials

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### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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