



## Recent Research on Engineering Acoustic Metamaterials

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Deadline for manuscript  
submissions:

**closed (20 January 2024)**

### Message from the Guest Editors

Acoustic metamaterials (AMs) have undergone rapid development since the turn of the century, and a plethora of novel and/or interesting AMs have emerged, such as those with negative elastic modulus, negative mass density, and negative refraction as well as cloaks, mirages, superlenses, metadiffusers, metasurfaces, rectifiers, and basic logic gates. It is worth noting that in this Special Issue, the concept of AMs is extended to include phononic crystals (PCs). On the other hand, the emergence and development of AMs bring new vitality into the study of traditional acoustic problems, such as noise pollution. To realize novel or specific functions, the structures of AMs are usually complex. Thanks to the technology of additive manufacturing, the preparation of AMs with complex structures is feasible. Consequently, AMs take a further step toward application in engineering. This Special Issue welcomes contributions in the field of acoustic metamaterials and their applications in engineering, including structures, materials, experimental methods, optimization methods, calculation methods, and physical mechanisms.





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## Message from the Editor-in-Chief

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