



## Acoustic Properties of Materials

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

Acoustic properties are important solid physical characteristics of materials. The acoustic properties of materials have a close relationship with their structures, especially for porous materials or composite materials. By studying acoustic properties like the sound absorption coefficient (SAC) and sound transmission loss (STL) of materials with different frequencies, the effects of the internal structural information can be further understood.

The study of the acoustic properties of materials has many applications. For example, from comparative analyses of experimental results and theoretical models, researchers may determine empirical functions between structural characteristic parameters and explore further applications of these functions, such as the nondestructive testing of composites and the evaluation of textiles. The vibration of heavy equipment and its noise control have also gained increasing attention from researchers of various research backgrounds (material science, mechanical engineering, sustainability, applied physics, etc.).

Prof. Dr. Fengxian Xin

*Guest Editor*





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## Message from the Editor-in-Chief

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