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Section  
Acoustics and Vibrations



## Section Editor-in-Chief:

Prof. Dr. Dimitrios G. Aggelis

## Section Introduction

The “Acoustics and Vibrations” Section of *Applied Sciences* is open to receive high quality original research and review articles related to all aspects and applications of acoustic and elastic waves, as well as vibrations both in their active and passive form. This includes cases where waves are deliberately excited for monitoring purposes (such as ultrasound applied on a human patient, or structure), as well as study of seismic waves or acoustic emissions originating from crack propagation within a material, or acoustic conditions in a concert hall. The focus is on the development of innovative techniques and material properties or processes monitored. The innovation can be the technique itself or the material being inspected. All manuscripts submitted for publication in this section will undergo a thorough peer review process and will be published rapidly online on acceptance.

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## Subject Areas

- Acoustic and elastic waves for non-destructive evaluation and structural health monitoring
- Acoustic emissions in materials and structures
- Architectural acoustics
- Combination of mechanical wave techniques with other techniques, for structural health monitoring purposes
- Fundamental studies on scattering and viscous media
- Innovative applications of ultrasonic inspection
- Medical ultrasound and imaging
- Monitoring of innovative materials based on mechanical waves
- Nonlinear acoustics
- Seismic waves
- Solid-liquid Interactions
- Transducers technology
- Underwater Acoustics
- Vibration control and metamaterials
- Vibrations, damping and noise control
- Wave dispersion and waveguides
- Wireless monitoring and energy harvesting