Special Issue

Indoor Acoustic Comfort Management Through Measurement, Simulation and Design

Message from the Guest Editors

This Special Issue of Applied Sciences explores cutting-edge research in four key areas: (1) innovative numerical methods for room acoustics (including FDTD, FEM, and BEM) to enhance indoor acoustic analysis and design; (2) advanced materials and metamaterials for a more comprehensive building acoustics approach targeting ergonomics and sustainability; (3) machine learning and data-driven signal processing techniques for advancing acoustic analysis; and (4) environmental acoustics methodologies, including noise barriers and urban sound planning for enhancing the indoor comfort.

This Special Issue will benefit researchers in acoustics, computational modeling, material science, and signal processing, as well as professionals in architecture, urban design, and industrial acoustics. By bridging theory and application, it aims to provide innovative solutions for optimizing indoor comfort and soundscapes, reducing noise pollution, and improving the acoustic experience in diverse environments, ultimately shaping future standards in academic, design, and industrial communities.

Guest Editors

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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.

Editor-in-Chief

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