

Special Issue

Mechanics, Dynamics and Acoustics of Musical Instruments

Message from the Guest Editors

The mechanics, dynamics, and acoustics of musical instruments is a fascinating and very generous field as it involves interdisciplinary research, in which the science of materials, mechanics, and acoustics of simple or complex structures are intertwined with psycho-acoustic studies on performers and audience. This Special Issue aims to highlight the complex aspects of musical instruments, based on numerical and/or experimental analysis, in conjunction with modern techniques for investigating traditional and new materials used for musical instruments. The Special Issue invites researchers on mechanical engineering; wood; acoustics; mathematics; materials science; music; signal processing; sociologists; musical instruments manufacturers, historians, and restorers of musical instruments to contribute to the development of knowledge of musical instruments.

Guest Editors

Prof. Dr. Mariana Domnica Stanciu

Prof. Dr. Voichița Bucur

Prof. Dr. Mircea Mihălcică

Deadline for manuscript submissions

closed (25 June 2023)



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Applied Sciences
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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