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## Advanced Materials Structures for Sound and Vibration Damping

Guest Editor:

**Dr. Martin Vašina**

Department of Physics and  
Materials Engineering, Tomas  
Bata University in Zlín,  
Vavrečkova 5669, 760 01 Zlín,  
Czech Republic

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### Message from the Guest Editor

Noise and mechanical vibration belong to negative environmental factors in many cases. They can have an adverse effect on human health, accuracy of manufacture, service life of processing equipment and tools, labor protection and so on. For these reasons, it is necessary to eliminate undesirable noise and mechanical vibration by appropriate means. There are different possibilities to reduce excessive noise and mechanical vibrations.

The aim of this Special Issue is to develop advanced material structures for noise and vibration damping. The articles presented in this Special Issue will cover various topics that have a significant influence on sound absorption and mechanical vibration damping of material structures, ranging from but not limited to manufacturing technologies of materials, composite and multilayer structures, mathematical simulations and experimental investigation of vibroacoustic properties, production efficiency, mechanical properties, and practical applications of advanced material structures, among others. Topics are also open to utilization of different types of recycled materials for these purposes, which can be also beneficial to our environment.



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# Special Issue



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## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

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Materials Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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