

IMPACT FACTOR 3.2





an Open Access Journal by MDPI

# Advances in Tribological and Other Functional Properties of Materials

Guest Editors:

## Prof. Dr. Juozas Padgurskas

Department of Mechanical, Energy and Biotechnology Engineering, Faculty of Engineering, Vytautas Magnus University, LT-53361 Kaunas, Lithuania

## Dr. Raimundas Rukuiža

Department of Mechanical, Energy and Biotechnology Engineering, Faculty of Engineering, Vytautas Magnus University, LT-53361 Kaunas, Lithuania

#### Dr. Rima Mickevičienė

Department of Marine Engineering, Faculty of Marine Technologies and Natural Sciences, Klaipeda University, Herkaus Manto St. 84, LT-92294 Klaipėda, Lithuania

Deadline for manuscript submissions:

20 September 2025



# **Message from the Guest Editors**

Dear Colleagues,

We would like to invite you to submit your research to this Special Issue "Advances in tribological and other functional properties of materials". The formation of functional properties of materials via various technological methods is and will always remain relevant. These properties are formed by modifying the surface layers, selecting the material of friction pairs for its adjustment, and solving their lubrication issues. In addition to tribological properties, other properties of materials and elements made from them are undoubtedly significant: strength, stiffness, flexibility, corrosion resistance, and fatigue resistance.

The most important highlights of this publication are materials formed via 3D printing, composite materials from renewable raw materials. environmentally friendly (biodegradable) materials, and other materials with exceptional functional **properties**. We are very much looking forward to receiving contributions that will assess the influence of the material production technology on the physical and mechanical properties, and the mechanisms of friction pair material decay (wear) and modeling of the material properties.











an Open Access Journal by MDPI

## **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**

Materials (ISSN 1996-1944) was launched in 2008. The iournal covers twenty-five comprehensive biomaterials, energy materials, advanced composites. advanced materials characterization, porous materials, manufacturing processes and svstems. nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials. materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

## **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases

**Journal Rank:** JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

#### **Contact Us**