Special Issue

Manufacturing and Fatigue Properties of Materials

Message from the Guest Editors

This Special Issue of *Materials* is dedicated to the study of fatigue phenomena of structural materials in connection with the influence of various methods of classical or newest manufacturing processing and special treatments. Researchers from the academic and industrial sphere are invited to publish results of their research and latest achievements in this field. In general, original studies that include various technological factors influencing quality and fatigue properties of structural materials, e.g., technological parameters, influence of heat treatment, surface treatment, surface finish, cold work, and so on are particularly welcome. The different perspectives (used technology, technological properties, alloy or composite material design, microstructural features, structural integrity, low-cycle or high-cycle fatigue, fatigue crack initiation or growth, fracture behavior, and stress concentration factors) can be assumed. Some review articles are also welcome.

Guest Editors

Prof. Dr. Robert Ulewicz

Department of Production Engineering and Safety, Czestochowa University of Technology, St. J.H. Dabrowskiego 69, 42-201 Czestochowa, Poland

Prof. Dr. František Nový

Department of Materials Sciences, Faculty of Mechanical Engineering, University of Žilina, Univerzitná 1, 01026 Žilina, Slovak Republic

Deadline for manuscript submissions

closed (10 February 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/40390

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced 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.

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

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)