Special Issue

Methods for Analysis of Material Fatigue Properties

Message from the Guest Editor

To meet the expectations of the scientific community and the industry, we are pleased to present this Special Issue under the title “Methods for Analysis of Material Fatigue Properties”. This issue will cover topics related to material fatigue and the determination of fatigue constant and characteristics along with their verification and application areas. Case studies related to simple uniaxial, biaxial, and multiaxial loads as well as fatigue problems associated with various technologies and materials are highly expected. Work on the impact of 3D printing technology, printing strategies, heat treatment, and coatings on material fatigue are of great interest.

We are pleased to invite you to submit your manuscript to this Special Issue. Full articles, reviews, and reports on material fatigue properties, related fatigue life assessment algorithms, test methods, and other related topics are welcome.

Prof. Nieslony Adam

Guest Editor

Prof. Dr. Adam Niesłony

Department of Mechanics and Machine Design, Opole University of Technology, Prószkowska 76 Street, 45-758 Opole, Poland

Deadline for manuscript submissions

closed (15 November 2021)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/84129

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

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)

MDPI