

Special Issue

Fatigue and Fracture of Metals and Alloys: Numerical and Experimental Study

Message from the Guest Editors

Fracture mechanics and fatigue constitute the basis of the knowledge canon of a modern mechanical engineer. Knowledge of the issues in the field of fracture mechanics and fatigue enables the construction of durable and safe devices. In the process of evaluating the results, information exchange and discussion are crucial. Together with this publication, we present an opportunity to share your concepts, analyses, and results of experimental work on fracture mechanics and fatigue to an impressive number of readers of open access journals published by MDPI. The example of Paris's law shows what great results can be achieved by using the tools developed in the framework of fracture mechanics to analyze the fatigue process, so we decided to publish a journal that will bring together new works from both fields. The idea of this Special Issue is to present the latest achievements obtained through experimental research and numerical analysis in the field of fracture mechanics and fatigue.

Guest Editors

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Prof. Dr. Lucjan Śniezek

Dr. Sebastian Lipiec

Deadline for manuscript submissions

closed (10 February 2023)



Materials

an Open Access Journal
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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



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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.

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