



metals



an Open Access Journal by MDPI

Metals Failure Analysis - State of Art

Guest Editor:

**Prof. Dr. Evangelos
Hristoforou**

School of Electrical and
Computer Engineering, National
Technical University of Athens,
15780 Athens, Greece

Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editor

Failure analysis is the key to provide the reasoning of failure based on structural characterization, properties determination, as well as their correlation. But, the most important advantage of failure analysis is the ability to assess mistakes that could be corrected or avoided.

However, the scientific interest behind the commercial – market importance raises the interest of scientists that try to understand in details the reasons of metal failure. This Special Issue is devoted to ferrous and non-ferrous compounds. Industrialists and Researchers are equally invited to contribute in it. We aim at having it as a reference sum of articles, that may aid the newcomer in the field, as well as the expert of metal failure analysis. Moreover, failure analysis and assessment of structural integrity of additively manufactured components gained significant attention as these are key toward robust and widespread application of those novel processes and unprecedented structures. Thus, papers related to this topic are highly encouraged.



mdpi.com/si/103644

Special Issue



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Hugo F. Lopez

Department of Materials Science
and Engineering, College of
Engineering & Applied Science,
University of Wisconsin-
Milwaukee, 3200 N. Cramer
Street, Milwaukee, WI 53211, USA

Prof. Dr. Yong Zhang

Beijing Advanced Innovation
Center of Materials Genome
Engineering, State Key
Laboratory for Advanced Metals
and Materials, University of
Science and Technology Beijing,
30 Xueyuan Road, Beijing 100083,
China

Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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)**, **Inspec**, **CAPLUS / SciFinder**, and **other databases**.

Journal Rank: JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q1 (*Metals and Alloys*)

Contact Us

Metals Editorial Office
MDPI, St. Alban-Anlage 26
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metals
metals@mdpi.com
[X@Metals_MDPI](https://twitter.com/X@Metals_MDPI)