

Special Issue

Metals Failure Analysis - State of Art

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.

Guest Editor

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About the Journal

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.

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