

## Special Issue

# Fracture & Failure Prevent: Reliability, Proactivity and Practice

### Message from the Guest Editors

The prevention of fracture and failure is a highly multidisciplinary research field, especially when it comes to reliability, proactivity, and practice. It combines technological and scientific methods to produce, model, and understand physical phenomena in mechanics, materials, structural integrity, and design. Submissions are invited of both original research and review articles. Additionally, invited papers based on excellent contributions to the 9th International Conference on Mechanical and Materials in Design in this field will be included in this Special Issue. We hope that this collection of papers will serve as an inspiration for those interested in “Fracture and Failure Prevent: Reliability, Proactivity, and Practice”. Theoretical and experimental contributions, original and review studies, and industrial and university research will be welcome. The selected authors will then be invited to submit extended versions of their conference paper. The main topics include, but are not limited to the following:

- Fracture and Failure Prevent;
- Reliability;
- Risk Analysis;
- Maintenance Management;
- Experimental Measure and Analysis.

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### Guest Editors

Prof. Dr. Teresa Leonor Martins Morgado

Prof. Dr. Suzana Lampreia

Dr. Mario Pereira

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### Deadline for manuscript submissions

closed (31 December 2023)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
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