



Blast and Impact Engineering on Structures and Materials

Guest Editors:

Dr. Ricardo Castedo

Departamento de Ingeniería
Geológica y Minera, Universidad
Politécnica de Madrid, 28040
Madrid, Spain

Dr. Lina M. López

Departamento de Ingeniería
Geológica y Minera, Universidad
Politécnica de Madrid, 28040
Madrid, Spain

Dr. Anastasio P. Santos

Departamento de Ingeniería
Geológica y Minera, Universidad
Politécnica de Madrid, 28040
Madrid, Spain

Deadline for manuscript
submissions:

closed (20 June 2023)

Message from the Guest Editors

Dear Colleagues,

Due to the high number of intentional or unintentional explosions and impact problems, it is of great importance to investigate and improve the response of structures exposed to these issues. In addition to the structures, it is important to study materials such as concrete, steel, glass, or bricks that are widely used in engineered critical constructions. Over the last decade, the investigation of these phenomena has been an area of active research in different fields including experimental studies, analytical models, or numerical simulations.

By considering the different approaches, this Special Issue invites papers that include one or more of the mentioned fields. Studies from different areas of engineering like aeronautical, civil, mechanical, or material are highly welcome.

Dr. Ricardo Castedo

Dr. Lina M. López

Dr. Anastasio P. Santos

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)