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## Mechanical Behaviour of Advanced Materials and Structures under Impact Loading

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Deadline for manuscript  
submissions:

**closed (20 April 2024)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue is concerned with the responses of structures and materials subjected to impact and high-rate loading. Scientifically sound and well-organized analytical, computational, and experimental studies are being solicited. Subjects relevant to this Special Issue include the following topics and those associated with them: the behaviour and failure of structures and materials under impact loading, the structures and materials used to protect and absorb impact loading, dynamic behaviour, and the failure of materials including plasticity and fracture, structural crashworthiness, high-rate mechanical and forming processes, impact and high-rate loading/measurement techniques and their applications, mesoscale modelling, and constitutive models for materials under impact loading.

Manuscripts submitted for publication will be subjected to stringent peer review and assessed for their contribution to scientific understanding of both these phenomena and the responses of structures and materials to impact and high-rate loading.



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## 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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