

Special Issue

Vehicle Crashworthiness and Lightweight Design

Message from the Guest Editors

This Special Issue is focused on the mechanical properties and structural design against dynamic loads for impact protective applications, as well as lightweight structural design and manufacturing for vehicle bodies. Specifically, the topics of interest include but are not limited to impact mitigation mechanism, energy absorption enhancement method, composite and lattice structures, vehicle impact system dynamics, fiber-reinforced materials, novel manufacturing and joint methods for lightweight vehicle bodies, and multiscale simulation methods for composite structures. The authors should demonstrate the innovation in their works, and particularly welcome works that are validated at the experimental level, with preliminary numerical simulations and analytical explanations.

Guest Editors

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Dr. Zhejian Li

Dr. Jie Zhang

Dr. Wensu Chen

Deadline for manuscript submissions

closed (20 November 2022)



Applied Sciences

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Impact Factor 2.5
CiteScore 5.5



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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.

Editor-in-Chief

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