



Additive Manufacturing, Structural Materials Design and Mechanical Engineering

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Message from the Guest Editors

In recent years, intensive research has been conducted on new structural materials. They have attracted particular attention because of their favorable properties, including low mass and high strength. Additionally, the dynamic development of new manufacturing technologies, such as additive manufacturing, provides new opportunities in the field of protective structures. This has been further advanced by the global circular economy that stresses the importance of materials in the production process.

Therefore, the main aim of this Special Issue is to publish scientific papers covering the recent problems related to structural materials research and additive manufacturing, including the following:

- Experimental testing;
- Structures under quasi-static and dynamic conditions;
- Numerical modeling and simulation verified by experimental tests;
- Laboratory studies of structure materials.

The purpose of this Special Issue and the subject matter of the scope of the journal are formulated as:

- Material tests and simulations;
- Structural materials design;
- Materials engineering.





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Message from the Editor-in-Chief

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