



Simulation and Analysis of Materials Failure Under Loading

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Message from the Guest Editors

Dear Colleagues,

It is our pleasure to invite you to publish your existing research works in the Special Issue, 'Simulation and Analysis of Materials Failure Under Loading', of *Materials* as a full paper, short communication, or review.

The authors are advised to submit innovative applications of research solutions. Material failures under loading, analyzed in the research, need to be well depicted from a mechanical point of view, and a particular emphasis needs to be given to their occurrence under loading. Potential topics include but are not limited to:

- Simulation and numerical analysis of construction systems with the use of FEM;
- Simulation and analysis of materials failure bearings, slabs and shells;
- Simulation and analysis of composite materials failure;
- Accurate and convergent analysis of FEM based methods;
- Elasticity in simulation and analysis of materials failure under loading;
- Linear and nonlinear behavior of structures under loading;
- Validation of experimental processes for materials under loading;
- Application of new materials and their simulation and numerical analysis in a technical practice.





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Message from the Editor-in-Chief

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