

Special Issue

Mechanical Behavior and Degradation Processes of Advanced Materials

Message from the Guest Editors

This Special Issue on Mechanical Behavior and Degradation Processes of Advanced Materials and Structures contains the following research topics:

- **Advanced Materials;** Ductile Materials, Metals and Alloys, Brittles and Ceramics, Polymers, Biomaterials, Biocomposites, Nanocomposites, Polymer composites, Metal matrix composites, Ceramic matrix composites, Ductile composites, Hybrid composites, Sandwich structures, Reinforced-concrete, etc.
- **Degradation Process;** Physical, Chemical, Environmental, Time-dependent;
- **Mechanical Behavior:** Linear-nonlinear deformation, Elastic, Hyperelastic, Viscoelastic, Plastic, etc.
- **Damage Mechanics:** Fatigue, Fracture, Creep, Impact, etc.
- **Characterizations:** Mechanical, Physical, Thermal, etc.
- **Computational mechanics:** Finite element method, finite differences, peridynamics, real-time simulation, etc.
- **Novel experimental methods** in both mechanical and structural analyses.

Guest Editors

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Deadline for manuscript submissions

closed (30 October 2023)



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Editor-in-Chief

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