



materials



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Fatigue and Fracture Mechanics of Materials

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Deadline for manuscript submissions:

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Message from the Guest Editors

This Special Issue, entitled “Fatigue and Fracture Mechanics of Materials”, is pleased to receive original research and review articles on the broad areas of the mechanics of fatigue and the fracture of solids, including metals, metallic alloys, ceramics, polymers, and composites. This Special Issue welcomes experimental, theoretical, and numerical/computational studies of the failure mechanisms and/or structure–property relationship regarding damage/fracture and fatigue at various length scales. The articles are expected to mainly focus on, but not be limited to, low-cycle fatigue, high-cycle fatigue, creep fatigue, creep-induced intergranular/intragranular cavity formation, multistage fatigue mechanisms, fracture/damage mechanisms, experimental characterization of such mechanisms, associated theoretical/computational investigation, involved integrated multiscale modeling methodologies, structure–property relationship investigation, constitutive models and their validation, applied material modeling for practical boundary value problems, etc



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Special issue



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Message from the Editor-in-Chief

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