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## Probabilistic Mechanical Fatigue and Fracture of Materials

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Deadline for manuscript submissions:

**closed (31 December 2020)**

### Message from the Guest Editors

We invite researchers to participate with relevant works that contribute to updating the state-of-the-art in this domain, through a Special Issue entitled “Probabilistic Mechanical Fatigue and Fracture of Materials”. Its scope encompasses methodologies that facilitate an objective material characterization, to advanced damage models that guarantee the transfer from experimental results to the design of real components. We expect to attract papers with some probabilistic background related to innovative experimental methodologies, theoretical and applied fracture and fatigue theories, advanced numerical models, and examples of real applications related to advanced materials. Nevertheless, other topics related to fracture and fatigue are also welcome.

### Keywords

- Fatigue
- Fracture mechanics
- Phenomenological models
- Failure criterion
- Generalized driving force
- Elastic and plastic materials
- Probabilistic life prediction
- Environmental assisted fatigue



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## Message from the Editor-in-Chief

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