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Recent Developments in Fatigue and Wear Research and Processing Technologies for Various Materials to Meet the SDGs

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

It is known that most of the fractures and functional losses in machines and structures are caused by fatigue and wear. Various observation, measurement, experimental, and analytical methods have been used to study fatigue and wear behavior from macroscopic (continuous mechanics) to microscopic (heterogeneous mechanics) levels. In addition, since the observed experimental phenomena span many fields, including mechanical science, materials science, and chemistry, interdisciplinary analysis is necessary. Considering the Sustainable Development Goals (SDGs) that are being promoted internationally these days, it is necessary to give more consideration than ever to high efficiency (energy saving), environmental load reduction, and reuse technology in the design of strength and processing technology of machines and structures.

This Special Issue collects and provides readers with the latest research results related to fatigue, fracture, wear, and processing technology.

It is my pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

Prof. Dr. Sotomi Ishihara

Guest Editor

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Message from the Editor-in-Chief

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