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Friction and Wear of Engineering Materials

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Deadline for manuscript submissions:
30 November 2019

Message from the Guest Editors

Friction is one of the main sources of energy dissipation between the contact surfaces and the dissipation of energy is the main cause of wear. Although the tribology in the broadest sense has studied for so long all the facets of this complex subject have not yet been thoroughly examined and research in this field is going on all over the world.

Materials is providing a Special Issue that is intended to be a means for researchers and engineers of different disciplines to publish and exchange the latest results of their research. This Special Issue will focus on progress in understanding both the fundamental and applied aspects of wear and friction of materials. With the aim of highlighting this concept, this special issue will focus on the following topics:

Wear: Theory, Modeling and Simulation.

Wear: Testing and Monitoring.

Friction and Wear under Vibratory Contact.

Engine Tribology and wear at high temperature.

Wear of Coatings.

Wear of Tools.

Tribocorrosion.

Role of Third Bodies during Wear.

We warmly invite you to submit a manuscript(s) for this Special Issue. Full papers, communications, and reviews are all welcome.

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers fourteen comprehensive topics: Biomaterials; Energy Materials; Composites; Structure Analysis; Porous Materials; Manufacturing Processes; Advanced Nanomaterials; Smart Materials; Thin Films; Catalytic Materials; Carbon Materials; Materials Chemistry; Materials Physics; Optics and Photonics; Corrosion; Building Materials. The distinguished and dedicated editorial board and our strict peer-review process ensure the highest degree of scientific rigor and review of all published articles.

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