



Tribology in Manufacturing Engineering

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Message from the Guest Editors

Dear Colleagues,

Tribology is the science and technology of interacting surfaces in relative motion regarding friction, wear, and lubrication, involving interdisciplinary fields such as mechanical engineering, materials science and engineering, chemistry and chemical engineering, and manufacturing engineering. In particular, tribology plays a prominent role in traditional and advanced manufacturing technologies, especially those including metal working, metal forming, metal machining, and micro/nano manufacturing. The study of tribology is significant in manufacturing processes since it is instrumental in cost-effectiveness, quality control, process optimisation, and performance enhancement of products. As green manufacturing and its sustainable development are garnering increased attention and interest at present, tribology-related research in manufacturing engineering needs to provide new possibilities to meet future demands for resource-saving and net-zero emissions.

