



Application of Solid Lubricants in Metal Processing

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Message from the Guest Editors

Dear Colleagues,

In this Special Issue, the objective is to publish high-quality papers that can answer emblematic questions of the role played by solid lubricants in manufacturing processes. We are searching for articles that study relevant aspects of solid lubricants, including types, lubrication efficiency, methods of application, impacts on the process output variables (forces, power consumption, temperature, quality of the workpiece, and tool life) and sclerometry techniques used to determine the lubrication efficiency. Environmental and human health aspects related to the application of solid lubricants will be heavily privileged. Special emphasis will be given to studies of the mechanics of the tribological phenomena of friction, the physical-chemical mechanisms, and the in-situ kinematics of the solid lubricant particles. Experimental and theoretical models and simulations are welcome, as well as any related work that will contribute to the advancement in the science of solid lubrication in manufacturing processes.

