Special Issue

Application of Solid Lubricants in Metal Processing

Message from the Guest Editors

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.

Guest Editors

Prof. Dr. Álisson Rocha Machado

Graduate Program in Mechanical Engineering, Pontifícia Universidade Católica do Paraná—PUCPR, Curitiba 80215-901, PR, Brazil

Dr. Leonardo Rosa Ribeiro da Silva

School of Mechanical Engineering, Federal University of Uberlândia, Uberlândia 38408-144, MG, Brazil

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Lubricants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
lubricants@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Friction, wear, and lubrication are tribological phenomena that govern the behavior of interacting surfaces in a wide range of machine components. Understanding the physical and chemical nature of these phenomena is critical to achieving long component lifetime and economical operation. Research in the field of tribology is highly interdisciplinary, and encompasses the fields of physics, chemistry, engineering, and mathematical modeling. *Lubricants* invites contributions on new advances in all areas of tribology for publication as peer-reviewed research articles, reviews of current research, letters, and communications. We are committed to providing timely reviews of all articles submitted. Please consider sharing your work with the scientific community through publication in *Lubricants.*

Editor-in-Chief

Prof. Dr. Homer Rahnejat
School of Engineering, University of Central Lancashire, Preston PR1 2HE, UK

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