



## **Friction, Wear and Lubrication of Tool Steels in Metal Forming and Machining**

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### **Message from the Guest Editors**

Metal forming and machining operations are important industries where new challenges arise constantly due to the development of materials and the current stringent requirements associated with environmental laws. The need for a more sustainable future calls for energy savings, reduced waste, and “green” solutions, which all together proportionally increase the challenges in friction, wear and lubrication in the metal forming and machining operations.

Tooling is a critical aspect in both forming and machining, and thus, significant focus is given to understanding the tribological phenomena in the complex tool–workpiece contact, with the aim of increasing tool life, as well as process quality, and efficiency.

This Special Issue aims to gather current salient research related to tool steels used in metal forming and machining operations. The issue covers aspects related to wear, friction and lubrication, both from a fundamental as well as from an applied research point of view.

