



Investigation on the Formation and Properties of Steels

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Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

Steel is a traditional and important structural material. It is applied widely in many fields, such as the automotive industry, building industry, and petrochemical industry. Although many new materials have been emerging all the time, steel is still irreplaceable in many specific conditions. After decades of development, there are different kinds of steel, such as low-carbon steel, stainless steel, high-strength steel, ultra-high-strength steel, weathering resistant steel, wear-resistant steel, etc. The microstructures and properties of steels are highly influenced by the chemical composition and formation process. For different steels, the phase transformation, the control of grains, textures and twins, the formation processes as well as their influencing mechanism on the microstructure and properties are different and are still the main issues that need to be addressed.

This Special Issue aims to bring together state-of-the-art research achievements, including but not limited to the formation and properties of steels, and help researchers around the world better follow the newest research progress and further promote the development of steels.





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Message from the Editor-in-Chief

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