

## Special Issue

# Investigation on the Formation and Properties of Steels

### Message from the Guest Editors

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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### Guest Editors

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Dr. Yifeng Wang

Prof. Dr. Dean Deng

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Dr. Dongqing Yang

Dr. Shaojie Wu

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### Deadline for manuscript submissions

closed (30 June 2023)



## Crystals

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## About the Journal

### Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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### Editor-in-Chief

Prof. Dr. Alessandra Toncelli  
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