Special Issue

Recent Advances in Low-Density Steels

Message from the Guest Editors

This Special Issue is devoted to recent advances in low-density steels because of their excellent combination of specific strength and ductility. Reducing the density of steels is a novel approach to reduce the weight of engineering structures, thus saving material and energy. The mentioned steels can be divided into three categories: ferritic steels, duplex steels and austenitic steels, depending on their microstructure. The main focus of this Special Issue is the collection of papers dealing with a wide range of low-density steels and presenting recent advances in this field. In particular, in relation to microstructures and all the associated properties already mentioned. **Keywords:**

- low density steels
- lightweight steels
- microstructure
- solidification
- heat treatment
- mechanical properties
- phase precipitation
- spinodal decomposition

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Deadline for manuscript submissions

closed (30 October 2022)

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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.

Editor-in-Chief

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