Special Issue

Recent Advances in Metallurgy and Properties of Superalloys

Message from the Guest Editor

Currently, new improvements are being realized on classical superalloys and promising methods in the field of novel composition principles as well as fabrication techniques are emerging. Accordingly, we invite metallurgist researchers studying superalloys to share their recent findings in this Special Issue entitled "Recent Advances in Metallurgy and Properties of Superalloys". The submitted contributions may include but are not limited to the following possible topics:

- New complex chemical compositions and microstructures for superalloys;
- Advances in the development and improvements in the properties of alloys based on highly refractory metals;
- Microstructures and properties of superalloys fabricated by additive manufacturing;
- Advances in the engineering of reinforcement of superalloys and emerging new mechanical strengthening methods;
- Improvements in resistance against isothermal or cyclic oxidation or corrosion;
- Understanding of the oxidation and corrosion phenomena in complex aggressive hot gaseous and molten milieus;
- New coatings for more efficiently protecting superalloys.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2021)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/38937

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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.

Editor-in-Chief

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