

Special Issue

Empowering Industry: Advancements in Cemented Carbides

Message from the Guest Editors

We are pleased to announce a new Special Issue, entitled "Empowering Industry: Advancements in Cemented Carbides". This Special Issue aims to showcase the latest research, innovations, and industrial applications in the field of cemented carbides. We invite researchers and practitioners in materials science to contribute to this exciting collection. This Special Issue provides a platform for sharing advancements and breakthroughs in cemented carbides. We encourage submissions that cover fundamental research, experimental investigations, theoretical modelling, and computational simulations. Topics of interest include novel cemented carbide compositions, microstructure design, mechanical and thermal properties optimization, as well as advances in fabrication techniques and characterization methods.

We particularly welcome submissions focusing on applications of cemented carbides in emerging fields, such as the energy, electronics, and biomedical sectors. Additionally, contributions on surface modification, coatings, and modelling of cemented carbide behaviour under different operating conditions are highly encouraged.

We look forward to receiving your submissions.

Guest Editors

Dr. Horea-Florin Chicinas

Materials Science and Engineering Department, Technical University of Cluj-Napoca, 103-105 Muncii Avenue, 400641 Cluj-Napoca, Romania

Prof. Dr. Benilde F. O. Costa

Department of Physics, Universidade de Coimbra, Rua Larga, 3004-516 Coimbra, Portugal

Deadline for manuscript submissions

closed (20 September 2024)



Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.0



mdpi.com/si/195474

Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

[mdpi.com/journal/
crystals](https://mdpi.com/journal/crystals)





Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.0



[mdpi.com/journal/
crystals](https://mdpi.com/journal/crystals)



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

Prof. Dr. Alessandra Toncelli

Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)