# **Special Issue**

# Cutting Tools: Materials, Development and Performance

# Message from the Guest Editors

This Special Issue of *Machines* invites high-quality research papers related to the topic of cutting tools, in particular:

- Energy- and resource-saving technologies for cutting tools fabrication;
- Powder metallurgy, including the synthesis of starting powders designed for the sintering of cutting inserts;
- Development of new materials for cutting tools, including ceramics, cermets, composites, etc., including machinery for their manufacturing;
- Theoretical and experimental research on processdependent structure formation at micro- and nanoscale;
- Surface engineering methods for cutting tools;
- Characterization of cutting tools performance (durability, cutting accuracy, surface integrity, wear mechanisms, etc.);
- Environmental issues such as EoL (end of life), sustainability, avoidance of pollution, and energy and resource efficiency.

## **Guest Editors**

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## Deadline for manuscript submissions

closed (31 January 2023)



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# About the Journal

# Message from the Editor-in-Chief

*Machines* is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

## **Editor-in-Chief**

Prof. Dr. Antonio J. Marques Cardoso

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## **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

