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Non-conventional Machining Technologies for Advanced Materials

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Deadline for manuscript submissions:
30 June 2024

Message from the Guest Editors

Dear colleagues,

This Special Issue will be devoted to state-of-the-art research on the various aspects of nonconventional machining technologies for advanced material applications. We seek submissions with original perspectives and advanced thinking on the theme addressed. Original research on theories, simulations, designs, experiments, and technical issues of nonconventional machining technologies for advanced materials applications is welcome.

Possible topics include but are not limited to the following:

- Machining properties of advanced materials (aerospace composites, advanced ceramics, glass, metallic alloys and others);
- FE Cutting simulations of advanced materials;
- Design of specialized cutting tools of non-conventional machining processes;
- Design and development of various non-conventional machining technologies;
- Cutting tool wear;
- Precision and calibrations of machine tools;
- Machining efficiency improvements;
- Flexible non-conventional machining technologies;
- Machining mechanisms;
- Surface morphological characteristics.

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Special Issue

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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.

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