

Special Issue

Recent Advances in Surface Processing of Metals and Alloys

Message from the Guest Editor

Surface processes are applied to alter machine elements to achieve improved properties. This Special Issue of *Machines* focuses on the recent advances in surface processing of metallic components within the scope of the influence of surface processes on mechanical properties, component cosmetics, energy efficiency, machine performance, and environmental concerns. Novel studies within these topics and discussing innovative destructive or non-destructive experimental techniques, such as electron microscopy, focused ion beams, diffraction beams, sectioning, profilometry or nano-indentation, and modeling techniques based on numerical and analytical approaches or principles of artificial intelligence, are welcomed.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2024)



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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.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).