Special Issue

Wear and Rolling Contact Fatigue in Railway Systems

Message from the Guest Editors

This is a call for papers for a Special Issue on "Wear and Rolling Contact Fatigue in Railway Systems". This Special Issue will provide a venue for scholars and researchers to share their most recent theoretical and technical successes, as well as a platform on which to highlight key topics and difficulties for future studies in the field. Submitted papers are expected to inspire original ideas and potential contributions to theory and practice. Acceptable research topics include, but are not limited to, the following:

- Material property improvement for achieving better resistance to wear and RCF;
- Monitoring and inspection technologies for the detection of wear and RCF defects;
- Modeling and simulation theories for wear and RCF in railway applications;
- Lubrication and friction management for wear and RCF problems in railways;
- Applications of artificial intelligence, big data, and deep learning in RCF and wear prediction for railway systems.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2024)

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

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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).