



## **Wear and Rolling Contact Fatigue in Railway Systems**

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Deadline for manuscript  
submissions:

**closed (31 May 2024)**

### **Message from the Guest Editors**

Dear Colleagues,

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.

Dr. Wei Zhou  
Dr. Congcong Fang  
*Guest Editors*





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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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