

Special Issue

Dynamics and Lubrication of Gears

Message from the Guest Editor

In recent years, environmental and sustainability issues have become increasingly important. The dynamics and lubrication of gears are growing concerns for environmental and sustainability issues. The dynamics and lubrication of gears have been important under higher loads, speed, temperature and performance expectations in multiple powertrain applications, including automotive, aeronautical and marine applications. Therefore, recent advances in the dynamics and lubrication of gears will be able to be effectively utilized. This topic is effective for the improvement of the efficiency of machines. This Special Issue aims to provide a platform for researchers to share their latest findings and applications related to gear technologies, including gear dynamics analysis, tooth contact analysis, vibration control, noise reduction, and lubrication techniques, etc. We welcome original research articles, review papers, and case studies related to these topics. Contributions with real experiments are encouraged.

Guest Editor

Dr. Kazumasa Kawasaki

Department of Technology and Engineering Management, Sanjo City University, Yamaguchi, Japan

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Machines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
machines@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso
CISE - Electromechatronic Systems Research Centre, University of
Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

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