Special Issue

10th Anniversary of *Machines*– Feature Papers in Fault Diagnosis and Prognosis

Message from the Guest Editors

It is our great pleasure to announce this Special Issue to celebrate the 10th anniversary of *Machines*. Machinery condition monitoring is of great importance in the industries. Through analysis of the collected machinery condition monitoring data, such as vibration, temperature, images. etc., using signal processing or artificial intelligence methods, the health states of the machines can be well reflected and evaluated. In the past few decades, machinery fault diagnosis and prognosis methodologies have been developing rapidly and achieved great success in both academic research and practical engineering problems. This Special Issue focuses on the recent advancements in machinery fault diagnosis and prognosis. Different perspectives in this research field are all welcomed, including the methodologies or industrial application cases based on physical models, signal processing, data-driven models, data-model fusion, digital twins model, etc. Both original research papers and review papers are invited.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2023)

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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Rapid Publication:
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).