

## Special Issue

# Maintenance and Reliability Engineering: Latest Advances and Prospects

### Message from the Guest Editors

Recently, in the face of the fourth industrial revolution, topics related to maintenance engineering and system reliability are gaining particular importance. The ongoing digitalization, process automation and implementation of artificial intelligence in production pose new challenges for engineers, but also unique opportunities. In this context, effective maintenance management and ensuring reliability are becoming crucial not only for maintaining production continuity, but also for increasing market competitiveness. This Special Issue will present the latest achievements and perspectives in the field of maintenance and reliability engineering, which are gaining importance in the face of dynamic technological changes. This Special Issue will present a collection of original research papers that deal with newly emerged maintenance and reliability problems of modern technical, anthropo-technical and AI-technical systems in order to report innovative ideas and the most recent interesting applications.

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### Guest Editors

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### Deadline for manuscript submissions

30 July 2026



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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