



## Special Issue on Maintenance in Engineering Systems

### Call for Papers

Maintenance in Engineering Systems addresses advanced theories, methodologies, and technologies that ensure the reliability, safety, and lifecycle performance of complex engineering assets and infrastructure. The topic encompasses predictive and condition-based strategies, reliability-centered approaches, fault diagnosis and prognostics, structural health monitoring, digital twin systems, and data-driven asset management. Emphasis is placed on integrating sensor networks, industrial internet of things platforms, artificial intelligence, and optimization models to enhance operational efficiency and reduce downtime and lifecycle costs. Contributions exploring risk assessment, lifecycle engineering, human factors, sustainability considerations, and sector-specific applications across energy, transportation, manufacturing, and infrastructure systems are particularly encouraged.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Maintenance in Engineering Systems**. Potential topics include, but are not limited to:

- Asset management systems
- Condition-based monitoring
- Corrosion engineering
- Digital twin technologies
- Failure analysis methodologies
- Fault diagnosis systems
- Industrial internet of things integration
- Lifecycle engineering
- Maintenance scheduling strategies
- Non-destructive evaluation techniques
- Optimization modeling
- Predictive analytics
- Prognostics and health management
- Reliability engineering
- Risk-based inspection
- Structural health monitoring

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).



Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Maintenance in Engineering Systems**” should be selected during your submission.

Special Issue Timetable:

Submission Deadline	June 12th, 2026
Publication Date	August 2026

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