

Special Issue

Fault Diagnosis of Equipment in the Process Industry

Message from the Guest Editors

We welcome submissions that address both theoretical advancements and practical applications, particularly in areas involving intelligent algorithms, real-time monitoring, and the integration of fault diagnosis technologies within industrial systems. Researchers and practitioners from academia and industry are encouraged to contribute their latest work on fault diagnosis systems, predictive maintenance, and machine learning applications. With a focus on the fault diagnosis of equipment in the process industry, this Special Issue will encompass a wide range of topics, including, but not limited to, the following:

- Data-driven and model-based fault diagnosis techniques.
- Intelligent algorithms and machine learning for condition monitoring.
- AI and big data analytics in fault diagnosis for process equipment.
- Anomaly detection and location in the process industry.
- Remaining useful life prediction for key equipment.
- Small data challenges in PHM.
- Predictive maintenance and health management in the process industry.
- Fault diagnosis and prognosis systems and applications in the process industry.
- Reliability and safety assessment in complex systems.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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