

Special Issue

Process Mining: Theory and Applications

Message from the Guest Editors

This Special Issue aims to serve as a comprehensive platform to disseminate groundbreaking research and practical insights in process mining. This issue invites contributions that focus on both “theoretical and practical applications” of the process mining technique to address challenges such as scalability, integration with AI, and enhancing predictive capabilities. It emphasizes real-world applications in manufacturing, education, healthcare, and finance by highlighting process mining’s transformative potential in improving operational efficiency and decision-making.

Potential topics include, but are not limited to, the following:

- Process Mining;
- Event Logs;
- Process Discovery;
- Conformance Checking;
- Model Enhancement;
- Business Process Management;
- Data Science;
- Predictive Analytics;
- Process Optimization;
- Artificial Intelligence Integration;
- Scalability in Process Mining;
- Real-World Applications of Process Mining;
- Healthcare Process Mining;
- Manufacturing Analytics;
- Educational Process Mining;
- Finance Process Insights;
- Decision-making Process;
- Business Workflow.

Guest Editors

Prof. Dr. Kingsley Okoye

Institute for Future of Education and Department of Computer Science,
School of Engineering and Sciences, Tecnológico de Monterrey,
Monterrey, Mexico

Dr. Julius Nganji

Department of Occupational Science and Occupational Therapy,
University of Toronto, 160-500 University Ave, Toronto, ON M5G 1V7,
Canada



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/228409

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

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)