Editorial

We are pleased to release the second issue of the twenty fifth volume of the **Journal of Digital Information Management** with the following research.

The paper, **"Isolated Sign Language Recognition with Gloss-to-Text Smoothing for Assistive Translation,"** introduced a modular two layer architecture for isolated sign language recognition and gloss-to-text conversion. The pipeline combines spatiotemporal feature extraction (I3D, EfficientNet, MobileNet) with lightweight classifiers for gloss recognition, and LLM-based prompt engineering for natural language smoothing. Evaluations on Libras datasets achieve high isolated sign accuracy (F1 > 0.97), while critically discussing dataset limitations. The scalable design advances assistive accessibility for deaf communities.

The paper, "**Integrating Ontologies and Streaming Machine Learning for Dynamic FinTech Competitiveness Evaluation,"** proposed a real time, ontology based machine learning framework for evaluating FinTech competitiveness. It integrates semantic knowledge representation, real time data ingestion, and machine learning layers. Validated on Vietnamese FinTech data (2019–2024), the framework improves semantic consistency, reduces noise, and achieves high classification accuracy. It enables dynamic competitive positioning, bridging semantic technologies and AI for strategic decision-making in digital finance.

The last paper, "**Comparative N-Gram Structure and Concept Transition Analysis in Polymer Journal: A Corpus-Based Investigation,"** analyzed N-gram structures and concept hierarchies in 96 Polymers journal articles (2025). Using NLP, it evaluates lexical diversity, phrase density, and collocation strength from unigrams to trigrams. Results show increasing specialization, with core concepts like "thermal" expanding into complex terms (e.g., "deep learning model"). Semantic network and cluster analyses reveal a mature, interdisciplinary knowledge system, offering a validated framework for mapping the evolution of scientific terminology.

We are confident that this research represents novel ideas in text mining and natural language processing.

Editors