

## Special Issue

# Application of Semantic Web Technologies for E-Learning

### Message from the Guest Editors

As digital transformation reshapes the educational landscape, Semantic Web technologies have emerged as a critical enabler of intelligent, scalable, and personalized learning experiences. Ontologies, linked data, and knowledge graphs provide powerful mechanisms for organizing, connecting, and reasoning over educational content, learners, and pedagogical models. This Special Issue invites contributions that present novel theories, frameworks, applications, and evaluations of Semantic Web technologies in the diverse contexts of E-Learning. We particularly welcome submissions that explore the role of semantic technologies in different educational domains, which require flexible, context-aware, and interoperable systems to support varied learner needs and instructional goals. Semantic Web technologies can enhance these systems through personalized learning paths, intelligent content recommendation, domain modeling, learning analytics, and semantic interoperability.

### Guest Editors

Dr. Adelina Aleksieva-Petrova

Dr. Elissaveta Gourova

Dr. Francisco García-Sánchez

### Deadline for manuscript submissions

20 January 2026



## Applied Sciences

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### 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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