

## 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.

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### Guest Editors

Dr. Adelina Aleksieva-Petrova

Dr. Elissaveta Vassileva Gourova

Dr. Francisco García-Sánchez

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### Deadline for manuscript submissions

20 July 2026



## Applied Sciences

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

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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

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