

Special Issue

Extended Reality in Educational Innovation: Technological Advancements, Empirical Insights, and Future Directions

Message from the Guest Editors

The urgency to integrate XR into educational systems has been accelerated by global shifts toward remote learning. This Special Issue aims to explore the current state and future trajectory of XR in education through a multidisciplinary lens. It seeks to gather high-quality research that investigates the design, implementation, and evaluation of XR-based learning environments. The Issue welcomes theoretical/empirical studies and case-based insights that address both the opportunities and limitations of XR in diverse educational contexts. By fostering dialog among researchers, educators, and technologists, this Issue aspires to advance the scholarly understanding and practical application of XR in education. Topics of interest include, but are not limited to, the following:

- Empirical studies on XR-enhanced learning outcomes;
- Instructional design for immersive learning;
- XR in STEM, language, and vocational education;
- Teacher training and professional development;
- XR-supported collaborative and social learning;
- Learning analytics in XR systems;
- XR in remote and hybrid learning;
- XR for special education (e.g., medical or military);
- Educational equity and accessibility.

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About the Journal

Message from the Editor-in-Chief

From its first issue in 2011, *Education Sciences* (ISSN 2227-7102) has grown as a scholarly international open access journal. Its aim remains to publish extended full-length research papers that have the scope to substantively address current issues in education. As a member of the Committee on Publication Ethics (COPE), our goal has been to disseminate high quality research. Our publisher, MDPI, takes the responsibility to enforce a rigorous double-blind peer-review together with strict ethical policies and standards to ensure to add high quality scientific works to the field of scholarly publication.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 26.5 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the second half of 2025).