

Special Issue

Promoting Teachers' Digital Competence in an AI World

Message from the Guest Editor

There is a growing need for teachers' professional development in how to use and teach about AI in a changing educational environment. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- The meaning of digital competence in teacher education in the AI world;
- Types of digital competence: AI literacy, including e-assessment or AI-generated feedback using the metaverse in teaching and learning; intelligent tutors and AI, AI and learning analytics;
- Demonstrating digital competence: AI chatbots and their creation or use in classrooms, using the metaverse to support learning, using AI to address diverse learners' needs, digital classrooms of the future, and AI governance;
- AI use in research methodologies: AI project-based learning, AI models of learning, and the ethics of AI as a tool in research;
- The challenges of being digitally competent as a teacher: the changing role of technology in teaching, learning, and assessment; AI in the curriculum; the challenges of AI and LLMs in teacher education; policy reviews of AI requirements in pre-service education; and AI and bias.

Guest Editor

Dr. Pamela Cowan

School of Social Sciences, Education and Social Work, Queen's University Belfast, Belfast BT7 1NN, UK

Deadline for manuscript submissions

closed (31 December 2025)



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

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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.

Editor-in-Chief

Prof. Dr. Daniel Muijs

School of Social Sciences, Education and Social Work, Queen's University Belfast, Belfast BT7 1NN, UK

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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).