

## Special Issue

# Innovations in Science Education: Integrating Science and Technology in the Classroom

### Message from the Guest Editors

The Special Issue particularly welcomes contributions that go beyond the instrumental use of technology and explore how digital tools, including generative AI, simulations, remote laboratories, and data-driven learning environments, can support scientific reasoning, problem solving, inquiry, and knowledge construction. By connecting technological innovation with pedagogical, curricular, and assessment practices, this Special Issue seeks to advance a more engaging, rigorous, inclusive, and socially relevant science education. Original research, empirical and conceptual studies, as well as review articles are welcome but not limited to, the following topics:

- digital inquiry-based approaches in science and STEM education;
- integration of emerging technologies in science learning environments;
- use of generative AI to support scientific reasoning, data analysis, explanation building, and evidence-based argumentation;
- pre-service and in-service teacher education for the pedagogical use of digital technologies and AI in science education;
- innovative assessment practices in technology-enhanced science learning.

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### Guest Editors

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### Deadline for manuscript submissions

5 October 2026



## Education Sciences

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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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### Editor-in-Chief

Prof. Dr. Daniel Muijs

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### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), Educational Research Abstracts, PsycInfo, and other databases.

#### Journal Rank:

JCR - Q1 (Education and Educational Research) / CiteScore - Q1 (Physical Therapy, Sports Therapy and Rehabilitation)

#### Rapid Publication:

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).