

## Special Issue

# Thinking Physics for Learning in the 21st Century: From the History of Physics to Modern Pedagogical Practices

### Message from the Guest Editors

We welcome original research articles, theoretical contributions and well-documented case studies focusing on topics including, but not limited to:

- Research in Physics Education and its relationship with the History and Philosophy of Physics;
- Teaching and learning strategies in physics education, with particular attention to the development of key scientific competencies;
- The role of physics education in fostering an informed understanding of the Nature of Science;
- Identification and analysis of learning difficulties and conceptual bottlenecks in specific disciplinary contexts;
- The interplay between the History of Physics and physics education, including the mutual benefits of historical perspectives for teaching and learning physics;
- Studies on students' understanding of fundamental conceptual aspects of physics;
- Physics teacher education and professional development;
- The use of mathematics as a conceptual and epistemic tool in physics learning;
- The educational value of historical experiments and their role in contemporary instructional practices;
- Innovative pedagogical approaches, from Investigative Science Learning Environments to embodied cognition and other emerging frameworks.

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### Guest Editors

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### Deadline for manuscript submissions

16 November 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

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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).