

Special Issue

Cognitive and Developmental Psychology in STEM Education

Message from the Guest Editor

This Special Issue welcomes original research and reviews exploring cognitive and developmental psychology in STEM education. Topics include:

- Cognitive psychology theories in STEM education;
- Longitudinal or cross-sectional studies that apply developmental psychology theories to the study of STEM education;
- Embodied cognition, cognitive dissonance, dual coding, metacognition, or theory of mind in STEM learning;
- Interdisciplinary research approaches that examine science learning using a combination of methods from discipline-based education, learning science, educational psychology, and cognitive or developmental psychology;
- Methodological studies that advance the use of cognitive or developmental psychology methods to study learning in authentic STEM education contexts;
- STEM studies informing cognitive/developmental theories;
- Experiences of underrepresented students in STEM and implications;
- Assessments of cognitive/developmental constructs in STEM;
- AR/VR/AI technologies applying cognitive/developmental theories;
- Design principles for STEM education/technologies using these theories.

We look forward to your contributions!

Guest Editor

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Deadline for manuscript submissions

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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 29.2 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).