

Special Issue

Design-Based Science, Technology, Engineering and Mathematics (STEM) Education

Message from the Guest Editor

This special issue calls for conceptual and empirical research papers that critically examine issues around contemporary design-based education for competitive and sustainable teaching and learning of STEM. Particularly, this Special Issue's Call for Papers addresses topics including, but not limited to, the following:

- The design of Design-based Learning environments to foster competitive and sustainable education
- The integration of systems thinking to enhance design-based innovative teaching and learning
- Preparing teachers to use emerging technologies in classrooms at design activities
- The theoretical frameworks and/or practical strategies on how design-based education can be implemented to facilitate teaching and learning
- The assessment of design-based learning achievements
- Validation of Design-based Learning for innovative pedagogy

Guest Editor

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Deadline for manuscript submissions

closed (15 March 2022)



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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).