

## 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

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### Guest Editor

Prof. Dr. Stanislav Avsec

Department for Physics and Technology Education, Faculty of Education, University of Ljubljana, SI-1000 Ljubljana, Slovenia

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### Deadline for manuscript submissions

closed (15 March 2022)



## Education Sciences

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by MDPI

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Impact Factor 2.6  
CiteScore 5.5



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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 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).