



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

Guest Editor:

Prof. Dr. Stanislav Avsec

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

Deadline for manuscript
submissions:

closed (15 March 2022)

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





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Daniel Muijs
School of Social Sciences,
Education and Social Work,
Queen's University Belfast,
Belfast BT7 1NN, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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)

Contact Us

Education Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/education
education@mdpi.com
[X@EducSci_MDPI](https://twitter.com/EducSci_MDPI)