

Special Issue

Mathematics in Engineering Education

Message from the Guest Editors

This Special Issue focuses on the role of mathematics in engineering education. Mathematics is, without question, an essential tool for engineers, but how we teach it at the university level is another matter. Previous research has shown, on one side, that it is often a challenge for engineering students to learn mathematics and, on the other side, that they need different mathematics and another approach to mathematics than, for example, mathematics students. Mathematics teaching should take into account the specific uses in engineering science as well as new digital possibilities (from CAS, MATLAB, to AI) even more than before.

- How to enable engineering students to gain new experiences in learning mathematics;
- How to relate the teaching in mathematics courses more to how mathematics concepts are taught in engineering courses?
- How can new digital possibilities (CAS, MATLAB, and AI) be used to make mathematics teaching more relevant for engineering students?
- How may inquiry-, project-, problem-, case-, challenged-based learning, and other activity-based teaching modes make mathematics more relevant for engineering students?

Guest Editors

Prof. Bettina Dahl Søndergaard

1. Aalborg Centre of Problem-Based Learning in Engineering, Science and Sustainability under the Auspices of UNESCO, Aalborg University, 9220 Aalborg, Denmark

2. Department of Mathematics, University of Bergen, 5020 Bergen, Norway

Prof. Dr. Reinhard Hochmuth

Institut für Didaktik der Mathematik und Physik, Leibniz Universität Hannover, 30167 Hannover, Germany

Deadline for manuscript submissions

closed (30 June 2025)



Education Sciences

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.5



mdpi.com/si/197011

Education Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
education@mdpi.com

[mdpi.com/journal/
education](https://mdpi.com/journal/education)





Education Sciences

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.5



[mdpi.com/journal/
education](https://mdpi.com/journal/education)



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.

Editor-in-Chief

Prof. Dr. Daniel Muijs

School of Social Sciences, Education and Social Work, Queen's
University Belfast, Belfast BT7 1NN, UK

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).