



an Open Access Journal by MDPI

Project-Based and Problem-Based Instruction in STEM Classroom Environments

Guest Editors:

Dr. Jennifer Wilhelm

College of Education, University of Kentucky, Lexington, KY 40506-0017, USA

Dr. Rebecca Krall

College of Education, University of Kentucky, Lexington, KY 40506-0017, USA

Dr. Merryn Cole

College of Education, University of Nevada, Las Vegas, NV 89154, USA

Message from the Guest Editors

We aim to reflect contemporary research trends in the implementation and effectiveness of project-based or problem-based pedagogy in K-20 settings. Possible topics may include teachers' understandings of problem-based or project-based instruction; implementation studies of problem-based or project-based instruction and learning in the classroom; instructional challenges of PBI implementation; student learning outcomes of problem-based or project-based pedagogy. Submissions on any other topic within the scope of this Special Issue are also welcomed and will be fully considered. The content areas may include a specific STEM field (e.g., chemistry, astronomy, mathematics, biology, engineering, computer science, etc.) or an integrated STEM approach.

Deadline for manuscript submissions:

closed (25 January 2023)

- project-based instruction
- problem-based instruction
- driving question
- driving assumption
- benchmark lessons
- milestone
- formative assessment
- artifacts
- situated learning in STEM



mdpi.com/si/102352



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, PscyInfo, and other databases.

Journal Rank: JCR - Q1 (Education and Educational Research) / CiteScore - Q1 (Education)

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)