

## Special Issue

# Interdisciplinary STEM Teaching and Learning in Schools

### Message from the Guest Editors

Interdisciplinary approaches to teaching and learning in STEM have been increasingly advocated as alternatives to traditional approaches, whereby students learn concepts and skills from two or more disciplines that are tightly linked to enhance student knowledge in each of these areas. In this Special Issue, we welcome submissions of both conceptual and empirical research papers that shed light on the discussion of interdisciplinary approaches to STEM in schools. We welcome submissions addressing topics including, but not limited to:

- Design of curriculum and tasks to enable student learning across disciplinary boundaries in STEM;
- Assessment of interdisciplinary learning;
- Teacher practices with interdisciplinary approaches;
- Theoretical and conceptual frameworks on how interdisciplinary learning can be facilitated;
- Innovative pedagogy for interdisciplinary STEM learning;
- STEM policy and curriculum to support interdisciplinary learning in schools;
- Teacher preparation for interdisciplinary STEM teaching;
- Learning environment that enables student interdisciplinary STEM learning.

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### Guest Editors

Dr. Lihua Xu  
Prof. Dr. Su-Chi Fang  
Prof. Dr. Wanty Widjaja

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### Deadline for manuscript submissions

closed (31 October 2022)



## Education Sciences

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Impact Factor 2.6  
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*Education Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[education@mdpi.com](mailto:education@mdpi.com)

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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

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

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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).