



## Languages and Literacies in Science Education

Guest Editors:

**Dr. Kok-Sing Tang**

STEM Education Research Group,  
Curtin University, Perth 6102,  
Australia

**Prof. Dr. Kristina Danielsson**

Department of Teaching and  
Learning, Stockholm University,  
106 91 Stockholm, Sweden

**Prof. Dr. Angel M. Y. Lin**

Faculty of Education, Simon  
Fraser University, Burnaby, BC  
V5A 1S6, Canada

Deadline for manuscript  
submissions:

**closed (15 January 2023)**

### Message from the Guest Editors

Dear Colleagues,

Topics for this Special Issue can include, but are not limited to, the following:

- Bilingual/multilingual science learners
- Content and language integrated learning (CLIL) and other language immersion programs for science teaching
- Discourse studies in the science classroom
- Language of scientific practices (e.g., explanation, argumentation, investigation)
- Multimodal texts and digital media for science learning
- Multimodal discourse analysis of texts, gestures, diagrams, etc.
- Multiple representations and student-generated representation pedagogy
- Reading-to-learn and/or writing-to-learn in science
- Role of language in emotional engagement and identity in science
- Science disciplinary literacy; literacy instruction in science
- Scientific communication in public domains and classrooms
- Scientific literacy in a post-truth era
- Socioscientific reasoning and critical literacies
- Teacher development in language issues; literacy pedagogical content knowledge (LPCK)
- Translanguaging and trans-semiotizing in the science classroom





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:** CiteScore - Q1 (*Education*)

## Contact Us

---

*Education Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/education](http://mdpi.com/journal/education)  
[education@mdpi.com](mailto:education@mdpi.com)  
[X@EducSci\\_MDPI](https://twitter.com/EducSci_MDPI)