



## Biology Education

Guest Editor:

**Prof. Dr. Ute Harms**

IPN - Leibniz Institute for Science  
and Mathematics Education,  
Olshausenstrasse 62, D-24118  
Kiel, Germany

Deadline for manuscript  
submissions:

**closed (30 June 2018)**

### Message from the Guest Editor

Dear Colleagues,

The life sciences are one of the most rapidly-growing fields among all scientific domains, and they are the reference discipline for biology education. Hence, the potential contents for biology education are accelerating. On the other hand, the introduction of competency-oriented teaching and learning in many countries in the science subjects stresses a range of skills and abilities that biology education nowadays should focus going far beyond knowledge acquisition. The aim of this Special Issue is to give an overview on the different branches of research that relate to these two fundamental trends relevant for biology education. In this regard the issue will be structured in four thematic sections: (1) studies addressing questions on teaching and learning biological core ideas respectively fundamental concepts of biology; (2) studies addressing questions on teaching and learning biological practices; (3) studies addressing biology related Social Scientific Issues relevant for biology education; and (4) biology teacher education.

Prof. Dr. Ute Harms  
*Guest Editor*





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 (Education)

## Contact Us

---

Education Sciences Editorial Office  
MDPI, Grosspeteranlage 5  
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)