

Special Issue

Unlocking Potential with Inquiry-Based Science Education

Message from the Guest Editor

We welcome submissions that examine approaches to and contexts of IBSE that showcase its benefits as well as limitations in terms of advancing scientific identity and literacy. Papers may be empirical or theoretical, representing various scientific disciplines and content relevant from primary to post-secondary education. Also welcome are papers focused on teacher preparation as well as student learning in formal or informal contexts that demonstrate how IBSE can unlock potential within teachers and learners. Topics include, but are not limited to:

- Inquiry in teacher preparation: models, challenges, facilitators, impacts;
- Inquiry as pedagogy for developing critical thinking/scientific reasoning;
- Inquiry in authentic contexts;
- Inquiry for developing science identity;
- Epistemic knowledge development through inquiry;
- Assessment of inquiry pedagogy;
- Assessment of learning through inquiry;
- Impact of inquiry for scientific literacy;
- Models of IBSE;
- Inquiry for equity and social justice;
- Knowledge about inquiry and/or the nature of scientific inquiry;
- Literature reviews or meta-analyses of research on IBSE for scientific identity or literacy development.

Guest Editor

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Deadline for manuscript submissions

closed (15 April 2025)



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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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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).