

## Special Issue

# Supporting Student Success in STEM: Innovations in Teaching and Learning

### Message from the Guest Editors

The aim of this Special Issue is to examine and share current research about innovative teaching and learning in STEM across higher education and how to support undergraduate and graduate student success in STEM courses and programs. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Instructional strategies and innovative techniques used in university STEM courses;
- Student retention and/or academic progress in STEM degree programs;
- Student achievement and learning in STEM courses;
- Fostering an inclusive classroom and using equitable teaching practices;
- Encouraging critical thinking in STEM courses;
- Interdisciplinary and cross-disciplinary STEM learning models and theories;
- Development of assessments for evaluating and improving student learning in STEM;
- Supplemental supports for STEM students (e.g., tutoring, supplemental instruction);
- Development of STEM identity, motivation, interest, and self-efficacy;
- STEM workforce development;
- Undergraduate and graduate STEM programs.

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### Guest Editors

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### Deadline for manuscript submissions

31 October 2026



## Trends in Higher Education

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## About the Journal

### Message from the Editor-in-Chief

Universities and colleges across the world are currently facing new challenges, in addition to dealing with their existing ones. One new challenge is how to deal with the increase in the use of artificial intelligence (AI). The existing challenges relate to how to deal with problems that seem to permanently persist, such as financial struggles that lead to staff reductions and high tuition rates.

*Trends in Higher Education* publishes research on the developments, advances, and changes within the field, which include shifting demographics; increases in non-traditional students; well-being and mental health awareness; equity, diversity, and inclusion issues; public funding; achievement gaps; growth in demands for non-accredited training; increases in student tuition; the effects of student debt load; declining international student enrolment; sustainability; and new business models.

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### Editor-in-Chief

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 45.8 days after submission; acceptance to publication is undertaken in 6.6 days (median values for papers published in this journal in the second half of 2025).