Innovation in Teaching Science and Student Learning Analytics

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

Innovation in teaching has been a critical issue in Educational Research for many years. Many research studies generally focus on the issues and implications related to the adoption of innovation in education, and on the identification of the implications of innovation in terms of teaching and proper technology use. However, much is also to be said about the processes that can help improve learning outcomes related to innovation in teaching. Therefore, a proper discussion about innovation in teaching must be paired with a focus on student learning analytics, with the aim to provide information that can define the effectiveness of innovation, and ultimately improve teaching and learning outcomes.

In this issue, both the aspects of innovation in teaching and student learning analytics, with reference to how data about learners and their environments are collected and analysed for the purpose of understanding students' learning and how they learn from proposed innovation in teaching, will be explored and discussed, with particular attention to STEM disciplines.

mdpi.com/si/106189

Special Issue

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Message from the Editor-in-Chief

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