



Sustainable Approaches for Online Education: Learning Technologies, Learner Interaction and Student Engagement

Guest Editor:

Dr. Ibrahim Arpaci

Department of Software
Engineering, Bandirma Onyedi
Eylül University, Balıkesir 10200,
Turkey

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Message from the Guest Editor

The COVID-19 pandemic has disrupted the traditional education system; the need to accelerate the digitalization of education has received a lot of attention. The Special Issue focuses on sustainable approaches for online education, recent learning technologies, and innovative solutions for learner interaction and student engagement. It will highlight the recent research trends in sustainable education, including the metaverse, augmented reality (AR), virtual reality (VR), virtual learning environments, serious games, STEAM, the Internet of Things (IoT) in online education, blockchain in online education, and massive open online courses (MOOCs). These empirical and review studies will assist scholars in pursuing future research in the domain and identifying possible future developments of sustainable approaches for online education.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- The metaverse;
- Augmented reality (AR);
- Virtual reality (VR);
- Virtual learning environments;
- Serious games;
- STEAM;
- Blockchain in online education;
- IoT in online education;





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Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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MDPI, Grosspeteranlage 5
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