

Special Issue

Integration of ICT in STEM Education

Message from the Guest Editor

This Special Issue aims to examine and discuss the role of ICT in STEM education, from the point of view of sustainability. The inclusion of ICT has a potential transformative effect on education. Firstly, it enhances science education by fostering an understanding of complex or remote concepts, easing inquiry and modelization processes, and facilitating the creative processes that are paramount in STEM. Furthermore, ICT can enhance information and raise awareness about socioscientific issues, and can also mediate and promote the 21st century skills required for effective ESD—creativity, cooperation, communication, and critical thinking. On other matters, ICT encourages innovation, and may grant universal access to knowledge, making more extensive and inclusive lifelong training possible, thus contributing to equity and balanced development. Taking all of this into account, this monograph seeks to collect evidence-based proposals to meaningfully integrate ICT in STEM education, as well as theoretical contributions that can inform good educational practices with ICT for sustainable futures.

Guest Editor

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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