



Integration of ICT in STEM Education

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Deadline for manuscript
submissions:

closed (31 December 2020)

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.





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