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Editors

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Preface

The International Congress on Education and Technology in Sciences (CISETC 2023), held from December 4th to 6th, 2023, brought together experts, researchers, educators, and leaders in the field of education and technology. The central focus of the congress was the presentation of theoretical or empirical research papers that made significant contributions to knowledge and showcased innovative experiences in teaching STEAM subjects (Science, Technology, Engineering, Arts, and Mathematics).

CISETC 2023 stood out as a prominent platform that facilitated the sharing of best teaching practices in key areas such as MATHEMATICS, AI, ROBOTICS, HCI, and SOFTWARE DEVELOPMENT, aligned with the STEAM framework and the use of technologies to achieve learning outcomes across diverse educational levels and contexts.

The diversity and quality of the papers presented at CISETC 2023 reflected the ongoing commitment of the academic and professional community to the continual improvement of science education through innovative technology use. The congress provided a valuable opportunity to exchange knowledge, explore new methodologies, and strengthen collaboration among participants, thus propelling advancements in the field of STEAM education.

The quality of accepted articles was ensured through a rigorous peer-review process conducted by a scientific committee composed of researchers specialized in the relevant fields. This meticulous selection process guaranteed the excellence and relevance of the presented works, maintaining high-quality standards and delivering significant contributions to the STEAM educational field.

The papers presented stood out for offering innovative concepts, pedagogical structures, models, research findings, or discoveries that significantly enriched educational practices in sciences. These studies advanced the understanding of effective technology integration in science education, promoting pedagogical models that enhance meaningful learning for students.

Participants had the opportunity to engage in discussions and reflections on the future of education and the application of emerging technologies in the educational sphere. The discussions revolved around improving education quality, fostering innovation, and equipping the younger generation with relevant skills to tackle the challenges of the 21st century.

The success of CISETC 2023 is attributed to the dedication and commitment of all participants who contributed valuable insights and perspectives, thereby advancing the development of education and technology in sciences.

December 2023 The editors.

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