

## Editor's Note

Welcome to the inaugural issue of the *Journal of Innovative Learning (JIL)*, the official journal of the Institute for Innovative Learning (IL), Mahidol University, Thailand. It is with great pleasure that we launch this journal, which serves as a platform for promoting the development of innovative practices and cutting-edge research in the field of education.

In this issue, we feature a range of compelling articles that explore various facets of educational innovation. From integrating physiological principles into learning to advancing the practices in science, technology, engineering, and mathematics (STEM) education, these works contribute to our broader goal of transforming education through research, theory, and practice. The first article integrates systems theory, the physiology of learning, and innovative learning practices to offer a framework for optimizing learning experiences in science and medical education. The second article presents a technical adaptation of the Index of Item-Objective Congruence, offering an effective tool for educators to evaluate the alignment between assessment items and multiple learning objectives, particularly in complex educational contexts. The third article discusses the application of technology-enhanced personalized learning environments in STEM education, bridging research and practice to support tailored educational experiences. Finally, the research article explores scientific argumentation trends in Thai science classrooms, providing valuable insights for improving critical thinking and inquiry-based learning in science education.

At JIL, we are committed to supporting scholarly dialogue around innovative teaching methods, technology-enhanced learning, and the ongoing improvements in curriculum design. We believe that through such contributions, we can foster an environment that promotes educational changes globally. As an international publication, we encourage contributions that reflect both local practices and their global transferability.

The articles in this issue showcase the breadth and depth of our research and provide a glimpse into the future of education—one that embraces innovation, creativity, and collaboration to meet the diverse learning needs of our time.

I extend my heartfelt gratitude to our esteemed editorial board, peer reviewers, and contributors, whose collective efforts ensure the quality and relevance of this journal. I look forward to the continued success and growth of JIL as we engage with the challenges and opportunities of modern education.

Thank you for joining us on this fascinating journey.

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