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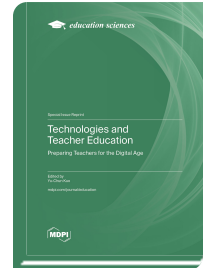
Technologies and Teacher Education

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With the advancement of Information and Communication Technologies (ICTs), preparing teachers to effectively use various types of emerging technologies and digital applications as teaching tools is critical to the enhancement of students' learning experiences and academic performance in K-12 education.

This Special Issue focuses on technology integration and innovative use of technologies for different content areas in teacher education. The technologies used in teacher education may include artificial intelligence, web-based applications, digital games, mobile technologies, wearable devices, augmented reality, artificial intelligence, virtual labs, learning analytics, etc.

The topics covered in this Special Issue include the following areas: 1. Innovative approaches and pedagogies of integrating technology to enrich classroom or online instruction; 2. Design and development of instructional interventions to promote teachers' use of emerging technologies; 3. Assessment or evaluation of technology integration for prospective teachers; 4. Pre- or in-service teachers' viewpoints concerning the use of emerging technologies in teaching; 5. Challenges and issues related to incorporating technology into teacher education.

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