

Special Issue

Artificial Intelligence for Learning and Education

Message from the Guest Editors

In the last decade, artificial intelligence (AI) has established itself as an important technology within education, not only due to its technical capabilities but also to its potential for integration into innovative pedagogical practices. Many studies have shown how intelligent tutoring systems, AI-based adaptive learning, and learning analytics facilitate the personalization of the educational process and the monitoring of student progress. More recently, the emergence of generative models and conversational agents has provided opportunities for pedagogical mediation, from automated feedback to content co-creation. However, researchers have also underscored the need to understand AI not only as a technical tool, but as a pedagogical mediator capable of transforming teaching, the role of the teacher, and the nature of educational interaction. Research suggests that true innovation lies in integrating these technologies into robust teaching approaches that promote motivation, deep learning, and educational equity. Keywords

- artificial intelligence in education
- pedagogical integration of AI
- intelligent tutoring systems
- adaptive learning
- learning analytics
- teacher education and AI

Guest Editors

Dr. Juan Luis Cabanillas-García

Department of Educational Sciences, Faculty of Education and Psychology, University of Extremadura, 06006 Badajoz, Spain

Dr. María Cruz Sánchez-Gómez

Departamento de Didáctica, Organización y Métodos de Investigación, Facultad de Educación, Universidad de Salamanca, Paseo de Canalejas 169, 37008 Salamanca, Spain

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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