

## An Investigation of Teachers' Use of Artificial Intelligence in Education and Their Information Literacy Levels

**Prof. Dr. Cihat Yaşaroğlu**

Faculty Member, Department of Primary Education, Faculty of Education, İnönü University, Türkiye

**Reşit Biçer**

Doctoral Studies, İnönü University, Türkiye

### Abstract

Artificial intelligence (AI) offers users significant speed and a wide range of applications, including the field of education. In educational settings, AI can be utilized at every stage—from planning to assessment. From this perspective, it can be said that AI provides considerable ease for teachers and may become an indispensable element of future educational systems. However, it should be noted that the accuracy of information produced by AI is not always at the desired level; in some cases, incorrect information can be generated. This raises a critical issue: To what extent can teachers verify the accuracy of AI-generated information? Based on this problem, it is essential to examine the relationship between teachers' perceptions of AI use in education and their level of information literacy. Therefore, this study aims to investigate the perceptions of primary school teachers regarding AI use in education and their information literacy levels. A descriptive survey model will be employed, and data will be collected from a sample of at least 357 teachers. The research will utilize the "Teachers' Perceptions of AI Use in Education Scale" and the "Information Literacy Scale." Both online and face-to-face data collection methods will be used. Descriptive and correlational analyses will be conducted, and recommendations will be developed accordingly.

