The principle of integrity and the ethical impact of artificial intelligence on the formation of scientific works

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Abstract

Today, artificial intelligence plays an important role in scientific research, making it an indispensable tool for researchers. Its use allows for the efficient processing of large volumes of data, rapid analysis, and the creation of innovative methodologies. Although artificial intelligence improves the efficiency and speed of research, its unethical use poses various professional challenges, especially when it comes to upholding the principle of integrity, which is one of the most important values in the academic world.

Artificial intelligence, whose advantage lies in the speed and accuracy of data processing, is revolutionizing many fields, including scientific research. However, its use is accompanied by significant risks, as some of the methods used by artificial intelligence may turn out to be unethical, biased, or erroneous.

The aim of the study is to thoroughly examine the mechanisms that facilitate the ethical use of artificial intelligence in the process of creating scientific papers in order to determine how data accuracy, transparency and basic ethical principles should be protected when forming a scientific paper. In this regard, special importance is attached to the precise formulation of "prompts", since the effectiveness of artificial intelligence often depends on a correctly formulated question or request.

The study is based on a systematic analysis that reflects the need for existing ethical standards and regulations related to the use of artificial intelligence tools in scientific processes. The paper also discusses the practice of correct use of "prompts", which is necessary for the information generated by artificial intelligence to be accurate and unbiased.

The findings show that the development of successful ethical regulations and policies is essential to ensure that the use of artificial intelligence does not threaten the integrity and professional standards of academic research, which, in turn, will contribute to increasing the quality of scientific research.

Keywords: artificial intelligence, integrity, scientific research, ethics.