

2. About Higher Education. Law of Ukraine dated 01.07.2014 № 1556-VII. URL: <https://ips.ligazakon.net/document/T141556?an=1> (date of application: 20.11.23 p.).

3. About Education. Law of Ukraine dated 05.09.2017 № 2145-VIII. URL: <https://ips.ligazakon.net/document/T172145> (date of application: 20.11.23 p.).

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ARTIFICIAL INTELLIGENCE AND SCIENTIFIC RESEARCH

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Introduction. In the dynamic landscape of academic research, the intersection of integrity, open science, and artificial intelligence (AI) stands as a pivotal crossroads, shaping the future of scholarly pursuits and transcending traditional boundaries. As technological advancements redefine the research paradigm, it becomes imperative to scrutinize the ethical implications and transformative potential of this convergence.

In the era of AI, researchers face the dual challenge of navigating the complexities of advanced technologies while upholding the highest ethical standards. The potential for bias in algorithms, lack of transparency in AI decision-making processes, and the rapid pace of technological evolution present unprecedented challenges to maintaining integrity in academic research.

Results. Open science, characterized by transparency, collaboration, and accessibility, represents a paradigm shift in how knowledge is created and disseminated. It emphasizes the sharing of research outputs, methodologies, and data, fostering collaboration across disciplines and geographical boundaries. The ethos of open science aligns with the democratization of knowledge, promoting inclusivity and innovation.

The advent of digital technologies has propelled open science forward, providing researchers with tools and platforms to share their work openly. However, the integration of AI into the research landscape introduces a complex dynamic. While AI can enhance collaboration and facilitate data-driven discoveries, concerns arise regarding the proprietary nature of AI algorithms, potential biases embedded in AI models, and the implications for open and collaborative research practices.

AI's transformative impact on academia is undeniable, revolutionizing research processes, data analysis, and even teaching methodologies. AI applications range from predictive analytics in student performance to data mining for research insights. Yet, as AI becomes increasingly entwined with academic practices, ethical considerations come to the forefront.

The ethical dilemmas posed by AI in academia include issues of bias in algorithms, lack of transparency, and the responsible use of AI in decision-making processes. Striking a balance between leveraging the power of AI for innovation and safeguarding against unintended consequences becomes paramount.

As academia navigates this crossroads, a framework for ethical integration emerges as a necessity. This framework should encompass guidelines for responsible AI research practices, transparency in algorithmic decision-making, and a commitment to upholding the principles of open science. Collaboration between researchers, institutions, and policymakers is essential to developing and implementing these ethical guidelines effectively.

The challenges posed by the convergence of integrity, open science, and AI extend beyond academia. Societal implications include considerations of data privacy, the ethical use of AI in various

sectors, and the broader impact on knowledge dissemination and access.

Conclusion. As we stand at the crossroads of integrity, open science, and artificial intelligence, the choices made today will reverberate through the fabric of academia and society. It is imperative that we approach this intersection with a commitment to maintaining the highest ethical standards, fostering collaboration, and leveraging the transformative potential of AI responsibly.

By embracing the challenges and opportunities presented at this crossroads, academia can lead the way in shaping a future where technological advancements, ethical considerations, and the principles of open science converge harmoniously. The journey ahead requires a collective commitment to forging a path that upholds the integrity of research, promotes open collaboration, and harnesses the power of artificial intelligence for the betterment of knowledge and society at large.

Key words: AI, integrity, technology, science, methodology.

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THE IMPLEMENTATION OF AI IN ACADEMIC ROUTINE

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The mutual benefit of the human-AI relationship in this system is obvious. In order to prepare translators for successful interlingual communication in the conditions of digitization of most types of human activity, it is necessary to consider the issue of changes in the content of translator education, carefully and comprehensively which