

## Editorial

# Navigating role of AI in Scientific Publishing

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The realm of scientific publishing has consistently progressed alongside technological advancements — transitioning from handwritten documents to online journals, and from traditional peer review via mail to immediate global access. At present, artificial intelligence (AI) signifies the next significant transformation. Its emergence goes beyond a simple technological improvement; it is altering the ways in which knowledge is generated, assessed, and shared. However, amidst this enthusiasm, one reality persists: science is, and must continue to be, an inherently human pursuit. The integration of artificial intelligence (AI) into scientific writing and publishing is not just an imaginative notion; it is an actual transformation that is altering the academic environment.



Language models help improve grammar, ensure clarity, and assist with formatting. Automated systems evaluate manuscripts for plagiarism, inconsistencies in statistics, and adherence to reporting standards. Editorial processes are becoming quicker and more efficient, easing the administrative load that previously hindered the speed of research publication. AI provides assistance in expressing ideas more effectively in multilingual settings, which may help make global scientific discussions more accessible.

A robust ethical framework is crucial for directing the incorporation of AI into scientific publishing. AI must be used to augment the work and not replace human and limit the creativity. Authors must disclose use of AI in scientific publishing. The authors needs to be accountable to use AI ethically, morally and legally.

The future of publishing depends on the thoughtful integration of technology, functioning not merely as a time-saving tool but as a means to enhance diligent, responsible, and impactful scholarly writing. Scientific progress is driven not by the speed of machines, but by the depth of human thought — and when utilized thoughtfully, AI can assist us in achieving just that.

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