Role of ChatGPT and Other AI Tools in Academic Publishing

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ChatGPT, a large language model developed by OpenAI, is transforming the way content is written, edited, and published. There are several other tools out there but none of them are as popular as ChatGPT. While some see this as a disruptive technology that poses a threat to the research publishing industry, others view it as an opportunity for advancement. So, which is it? Or is there a middle ground?

This panel discussion addresses some of the most burning queries related to the use of ChatGPT in academia and scholarly communication. It is an open forum where researchers and other industry stakeholders discuss anything and everything about generative AI tools and their benefits and limitations, as well as the extent to which these tools can be used without breaching the ethical code of conduct.

The discussion will primarily focus on the following points:

1. Potential uses and limitations of the use of AI tools in academia
   - Increased efficiency and productivity
   - Enhanced data analysis and insights

- ○ Data bias and accuracy issues
- ○ Data privacy, IPR, and security concerns
- ○ Potential for loss of creativity and critical thinking skills
- ○ Idea plagiarism
2. Ethical considerations to look out for and the role of academic stakeholders in ensuring research integrity
3. Importance of accountability/ownership and quality check of the AI-generated text
4. Impact on peer review and journal reputation
5. Case examples: ChatGPT vs human editing and fact checking
6. Publisher guidelines for using ChatGPT in authoring papers
7. Best practices for responsible use of generative AI tools in academic settings
8. What should the scholarly publishing industry be armed with? Potential solutions, policies, and guidelines that can be implemented to ensure responsible use

Expert Panelists

Dr. Chhavi Chauhan, AI Ethicist, 100 Brilliant Women in AI Ethics™ – 2022, Global Leader, and Scholarly Communication Expert

Chhavi is a renowned global leader in responsible tech and scientific research. She is a passionate advocate for the responsible use of technology and its impact on vulnerable populations; her many accomplishments and publications reflect her commitment to this cause. Chhavi has authored and contributed to several publications related to AI ethics, including white papers on promoting academic-industry partnerships in digital pathology and healthcare, case studies on biased algorithmic decision systems, and a review article on the ethics of AI in pathology. She has also written blog posts on AI in healthcare and contributed to reports on AI and human rights. Chhavi has received many prestigious awards and recognitions for her contributions to the field. She has been named in the Top 100 Marquee and Seasoned AI & Analytics Leaders, Influencers & Practitioners for the year 2022, The 100 Brilliant Women in AI Ethics™ 2022 List by Women in AI Ethics™, and The AI Makers 150: Top 150 AI & Analytics Leaders & Influencers 2021 list. Currently, Chhavi is on the Board of Directors for several prestigious organizations such as The American Society for Investigative Pathology (ASIP), The Digital Pathology Association (DPA), The Open Pathology Education Network (OPEN), The Digital Pathology Association Foundation (DPA Foundation), and The Society for Scholarly Publishing (SSP). She is also the Director of Continuing Medical Education (CME) Program for The Journal of Molecular Diagnostics (JMD), Rockville, MD since 2019.

Dr. Roger Watson, Editor-in-Chief of Nurse Education in Practice (Elsevier), Academic Dean in the School of Nursing at the Southwest Medical University, China, Authored Over 500 Publications

Roger has over 30 years of experience in academic writing and publishing. He has been an advocate for the use of AI in academic publishing and has recently coauthored a blog post on the official website of the Committee on Publication Ethics (COPE) which discusses the benefits and challenges of using generative AI tools such as ChatGPT in scholarly communication and has emphasized the need for ethical considerations and transparency when using AI in publishing. He is the Editor-in-Chief of Nurse Education in Practice and former Editor-in-Chief of Journal of Advanced Nursing. His other current affiliations also include the President of the National Conference of University Professors (2022-2024) and Editorial Board Member of the WikiJournal of Medicine. He also has honorary faculty and visiting positions in Australia, Ireland, Saudi Arabia, and China. In 2022, Roger has been conferred with the Margaret Comerford Freda award for Editorial Leadership in Nursing Publication by the International Academy of Nursing Editors.

Trinka D'Cunha, A Linguist Turned AI Innovator

Trinka is the Lead Linguist at Crimson AI with a passion for language and a strong commitment to using Natural Language Processing (NLP) technology to reduce linguistic barriers to the effective communication of knowledge. Her extensive experience and understanding of the language-technology interface has led to the creation of tools that help researchers and writers worldwide. She led a team of language experts to develop Trinka AI, a next-gen grammar correction and language enhancement writing assistant designed especially for academic and technical writing.

Dr. Anupama Kapadia, Science Communication Expert and Editor-in-Chief at Enago Academy

Anupama is a licensed specialist in Physical Medicine and Rehabilitation (Orthopedics) by qualification and a scholarly publishing professional by vocation. She has been working in and around the editorial paradigm for 15+ years now and is actively mentoring and training academic professionals in the writing and editing fields. To date, she has led several projects related to fulfilling newer requirements of clients and publishers by enhancing the editorial, peer review systems, and author services of Enago. She is a member of renowned scholarly associations such as COPE, ISMTE, and EASE, which focus on increasing professional networking within the scholarly publishing community and help establish best practices amongst publishers and journals. She is also a volunteer in the different committees of ISMTE and EASE.

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