TU Graz

SCIENCE
PASSION
TECHNOLOGY

LIBRARY APPETIZER

Discussing AI in Publishing

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LIBRARY
AND ARCHIVES
TU GRAZ

What are the Library Appetizers?

- A quick insight into services the Library offers for researchers
- An opportunity to get in touch with us & get questions answered
- In English & online, to make it the most accessible



Research Support by TU Graz Library and Archives



Steps in the Research Cycle

Library Support

Useful Tools

* Provided by the Library

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Do not edit
How to change the design



For what purposes do you use AI in your publishing process?

ⓘ The Slido app must be installed on every computer you're presenting from

slido

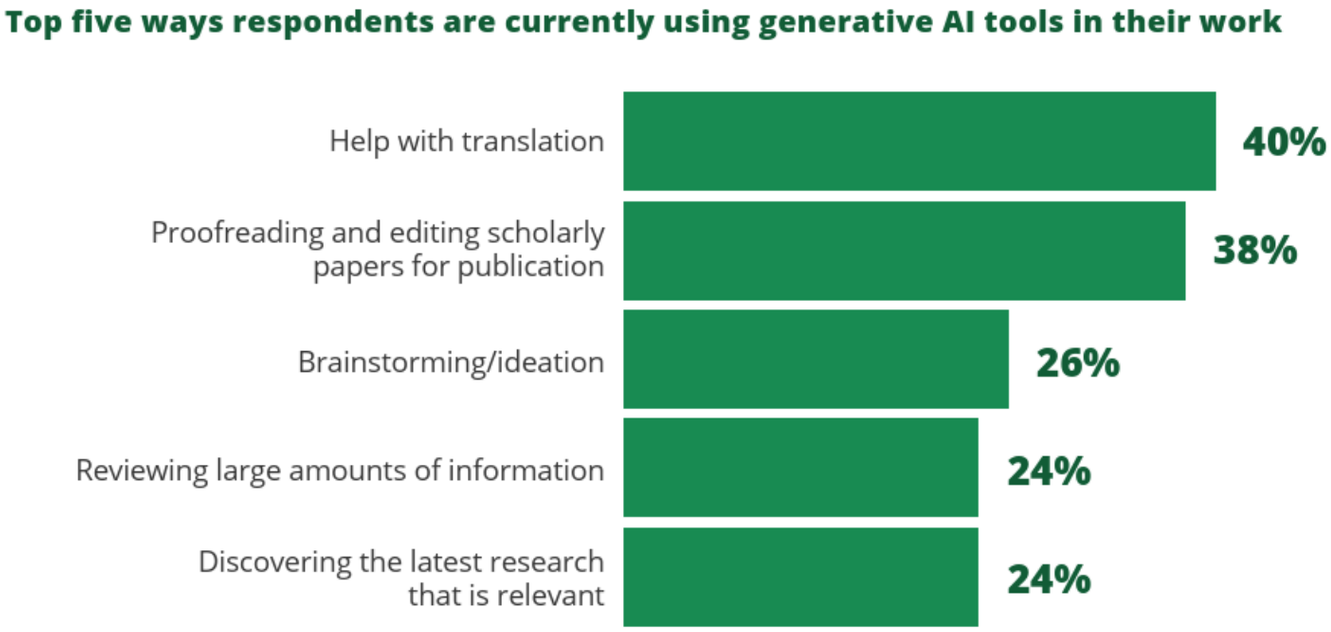
Preparing & Writing

Opportunities

- Brainstorming
- Writing & translating
- Structuring, summarising and analysing

Challenges

- Authorship & responsibility
- Hallucinated references
- Paper mills & Predatory Publishers
- Transparency and disclosure



Source: Wiley. „ExplanAItions: An AI study by Wiley“. 2025. https://www.wiley.com/en-us/about-us/ai/study.

AI Policies of Publishers

	Elsevier	Springer (Nature)	De Gruyter	IEEE
Disclosure required?	Mandatory for substantial contributions to text creation or content generation	Yes (traffic-light system depending on type of use), including textual interventions	Documentation required where AI intervenes in the content	Mandatory for AI-generated content (text, figures, images, code)
Exempt from disclosure	Purely linguistic corrections	-	Proofreading or linguistic adjustments	Editing and grammar enhancement (disclosure recommended, not required)
Where to disclose	Separate AI declaration	Methods section (articles); Acknowledgements (books)	Acknowledgements	Acknowledgements section
What to state	Tool name/model, purpose, extent of use	Name/model, date and purpose of use, prompts	Name/model, purpose	AI system(s) used, section(s) in which AI was used, brief description of the level of use
AI-generated images, graphics, tables etc.	Own set of rules; documentation of origin mandatory; AI-generated images not allowed	Highly restricted; own rules, documentation mandatory	Own rules; documentation mandatory	Disclosure required like other AI-generated content
Link to policy	https://www.elsevier.com/de-de/about/policies-and-standards/generative-ai-policies-for-journals	https://www.springernature.com/gp/policies/editorial-policies	https://www.degruyterbrill.com/de/publishing/fuer-autoren/autoren-richtlinien/kuenstliche-intelligenz	https://ieee-cas.org/publications/using-ai-generated-content-ieee-article

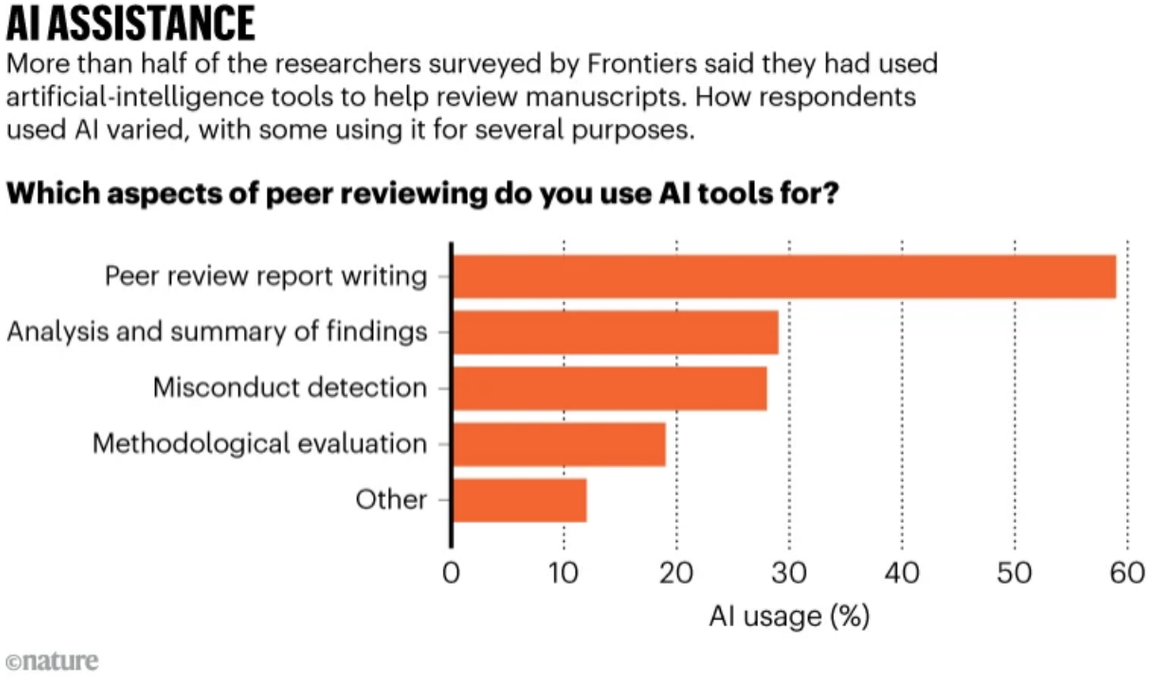
Submitting & Reviewing

Opportunities

- Journal Recommender Tools
- Pre-submission checks: language, references, journal requirements
- More efficient editorial workflows

Challenges

- Confidentiality of unpublished manuscripts
- Limits of automated assessment and the importance of human judgement
- Guidance vs. Practice



Naddaf, Miryam. „More than Half of Researchers Now Use AI for Peer Review — Often against Guidance“. *Nature* 649, Nr. 8096 (2025): 273–74. https://doi.org/10.1038/d41586-025-04066-5.

Using AI Responsibly in Scholarly Research

- Check the institutional, journals or publishers AI policy before submission
- Document AI use from the beginning and disclose AI use as required
- Verify every reference and figure yourself
- Do not upload confidential or unpublished manuscripts to external AI tools without authorisation
- Check copyright and licensing conditions before uploading published content

Discussion

Where do you see the greatest opportunities and risks?

How is AI already changing your research and publishing practices?

In your discipline, are there specific guidelines or established practices available?

What should remain a human responsibility in scholarly publishing?

Which support do you expect/need from your library in this respect?

Further Information

Sources

Schmitz, Jasmin. „Einsatz von Generativer KI Beim Wissenschaftlichen Publizieren: Was Ist Hier Zu Beachten?“ ZB MED - Informationszentrum Lebenswissenschaften, 2025. https://www.publisso.de/open-access-beraten/faqs/generative-ki.

Frisch, Katrin (2025). FAQ Artificial Intelligence and Research Integrity. Version 2. Zenodo. https://doi.org/10.5281/zenodo.17349995

TU Graz

AI at TU Graz
prompting.schule (TU Graz)
AI-Tools in teaching (TU Graz) – Labeling the Use of AI
Kennzeichnungspflicht für AI-Inhalte (TU4U)
Satzungsteil Wissenschaftliche und Künstlerische Integrität (TU4U)

Library Resources

AI in Literature Search (Library Website)
Overview of AI-Tools for Literature Search

More Library Appetizers & Events

26.11. 14:00-15:30 Search Smarter: Literatursuche mit AI

30.11. 11:00-12:00 Publishing Your Work Open Access with Royal Society Publishing

16.12. Zotero Advanced – How to Organise Your Chaos

18.01. Tips & Tricks in PURE

General overview:



Contact

E-Mail: service.bibliothek@tugraz.at

Website: https://www.tugraz.at/sites/bibliothek-und-archiv



Social Media

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