

# ProQuest ONE

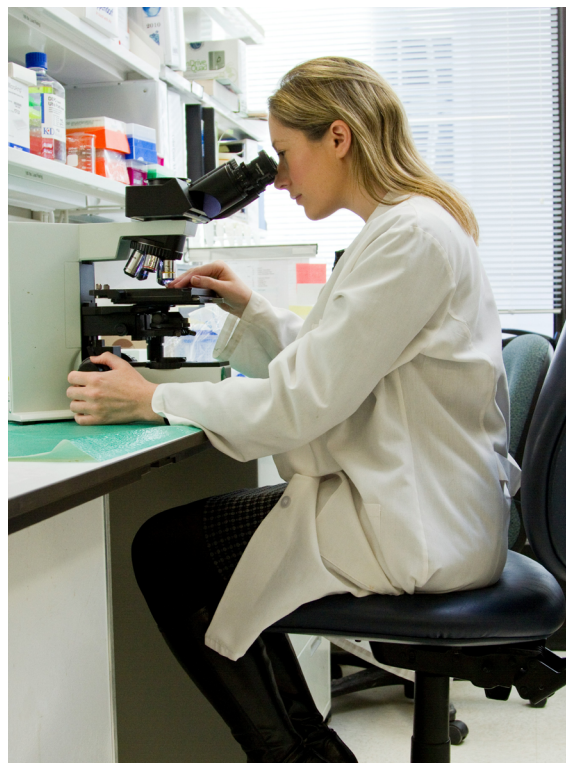
## APPLIED & LIFE SCIENCES

Supporting pioneering scientific research and learning

A comprehensive collection of full-text resources, including scholarly journals and technical reports, spanning subjects such as biological sciences, engineering, materials science, and computer science. It supports researchers with specialized tools for comprehensive literature reviews and access to cutting-edge research and grey literature.

### HIGHLIGHTS

- A vast collection of full-text resources, including thousands of scholarly journals, reports, trade journals, magazines, technical reports, and government publications.
- Includes key titles such as Nature and its related publications and AmBio as well as content from publishers such as Cambridge University Press, Elsevier, Emerald, and Springer Nature.
- High-quality A&I, enabling users to efficiently identify impactful research articles, saving valuable time.
- Full text access to thousands of dissertations, conference papers, reports, and other forms of grey literature saves researchers time during literature reviews.
- A carefully laid-out, intuitive interface guides users to premium content, features topic pages for all of the UN's Sustainable Development Goals, and includes AI-powered tools to make research more efficient.



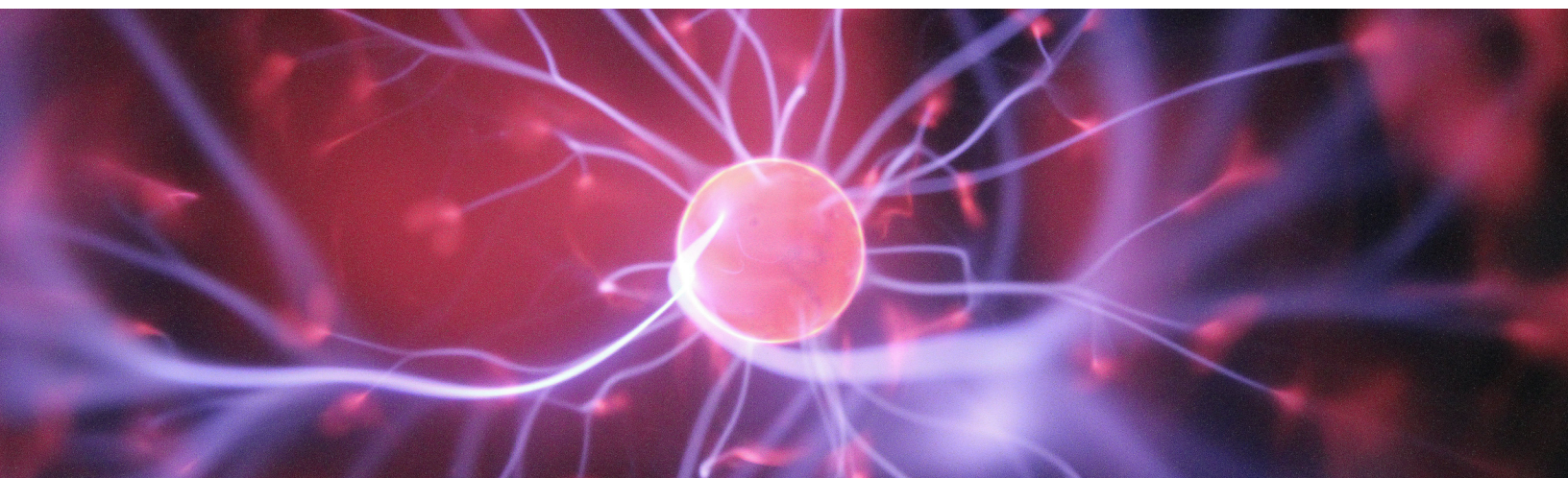
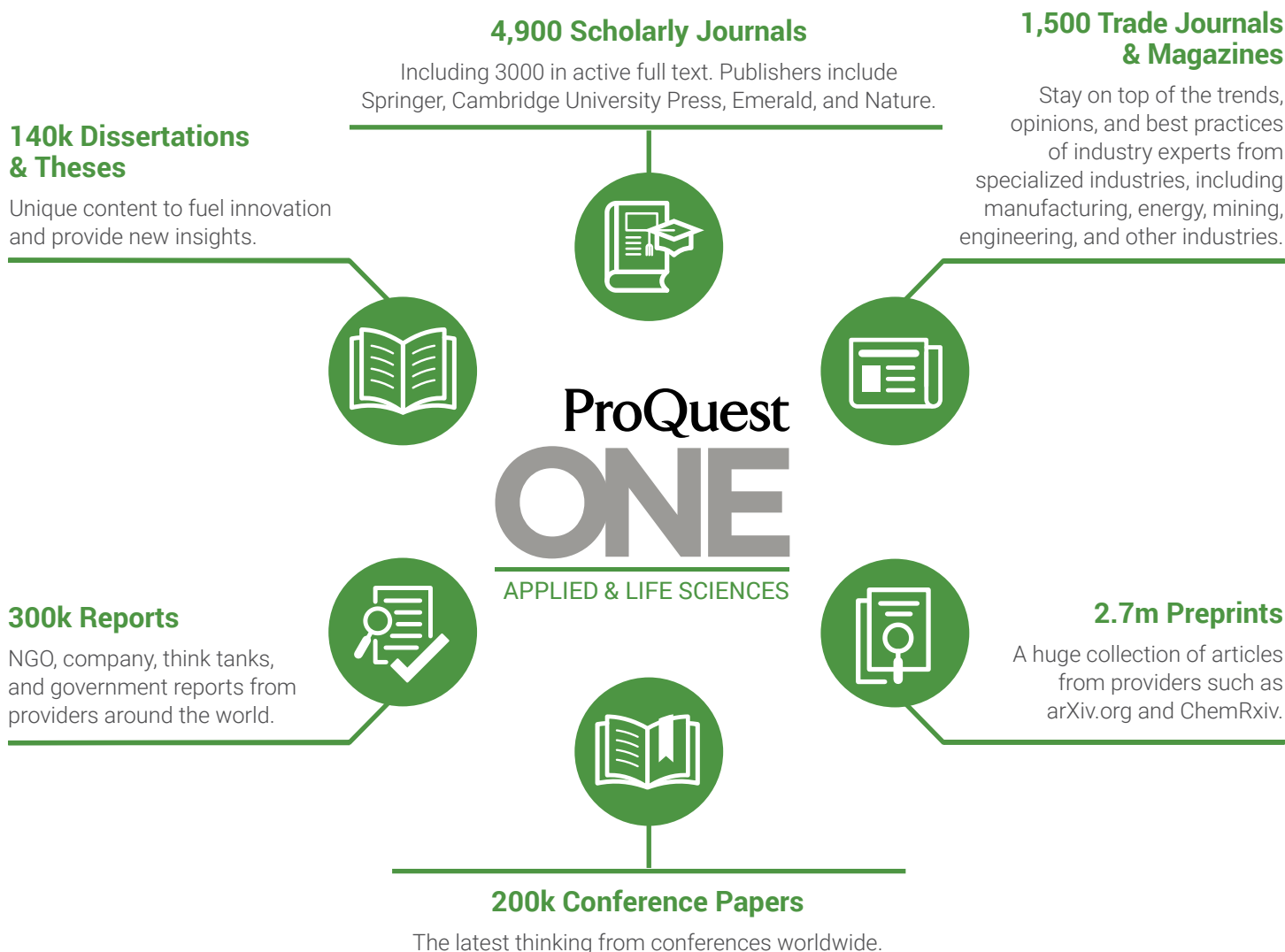
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# Authoritative Multi-Format Content

**ProQuest One Applied & Life Sciences** offers an expertly curated collection of information across a variety of content formats that supports the diverse requirements of teaching, researching, or studying the discipline.





# Includes the new ProQuest Research Assistant

Built in collaboration with librarians, students, and faculty, ProQuest Research Assistant harnesses academic AI to solve real problems and streamline workflows.

The screenshot shows a ProQuest article titled "HOW GENERATIVE AI COULD DISRUPT SCIENTIFIC PUBLISHING" by Gemma Conroy. The article is from the journal "Nature". The Research Assistant sidebar on the right provides a summary of the article's key points and offers suggestions for further exploration.

**Research Assistant**

Here is the **key takeaway**.

Generative AI tools, such as ChatGPT, are being increasingly utilized by researchers to enhance writing and peer review processes, but they also raise significant concerns regarding research integrity and the potential for producing low-quality manuscripts.

Additional topics discussed in the text are: the ethical implications of using generative AI in scientific publishing, the potential for generative AI to improve equity in science for non-native English speakers, and the challenges of ensuring research integrity amidst the rise of AI-generated content. These topics are significant for researchers as they highlight the need for ethical guidelines and transparency in the use of AI tools in academia.

The exploration of generative AI's role in transforming scientific writing and peer review processes invites readers to consider both the innovative potential and the ethical challenges that accompany these advancements.

AI-generated content: quality may vary. Check for accuracy. [Disclaimer](#)

Explore suggested sources.

The "enrichment" of online information services obligates rigorous management of scientific journals  
Timpka, Thomas. Journal of Science and Medicine in Sport. (01

Brainstorm related research topics.

Describe the important concepts.

Providing rich document-level insights and helping users create better search queries:

- **Key takeaways** of the document to quickly determine relevance
- **Explanations** of important concepts in the document
- **Guidance** on next steps, including suggestions for future research topics
- **Helps** users turn generic searches into more precise queries

The screenshot shows the ProQuest search interface. The search query "chatgpt publishing" has resulted in 27,417 results. The "Academic integrity" filter is selected, which narrows the results to 2,857. The interface includes various filters and options to refine the search.

chatgpt publishing

27,417 results

Sorted by

Select 1-20

chatgpt publishing AND "Academic integrity"

2,857 results

Sorted by

Select 1-20

Generates synonyms and related terms to help users easily craft a structured Boolean search, adding relevant terms with a click

Insights are customised to the document being viewed, including a **key takeaway** to quickly determine relevance

The screenshot shows the Research Assistant sidebar for the article "HOW GENERATIVE AI COULD DISRUPT SCIENTIFIC PUBLISHING". It highlights the key takeaway and provides a summary of the article's main points.

**Research Assistant**

Here is the **key takeaway**.

Generative AI tools, such as ChatGPT, are being increasingly utilized by researchers to enhance writing and peer review processes, but they also raise significant concerns regarding research integrity and the potential for producing low-quality manuscripts.

Additional topics discussed in the text are: the ethical implications of using generative AI in scientific publishing, the potential for generative AI to improve equity in science for non-native English speakers, and the challenges of ensuring research integrity amidst the rise of AI-generated content. These topics are significant for researchers as they highlight the need for ethical guidelines and transparency in the use of AI tools in academia.

Users are guided to useful next steps such as exploring the **important concepts** discussed in the document

The screenshot shows the Research Assistant sidebar for the article "HOW GENERATIVE AI COULD DISRUPT SCIENTIFIC PUBLISHING". It highlights the important concepts discussed in the document and provides a summary of the article's main points.

**Research Assistant**

Here are the **important concepts**.

1. **Domenico Mastrodicasa**: A radiologist at the University of Washington School of Medicine who utilizes ChatGPT for writing research papers, highlighting the practical applications of generative AI in scientific publishing. His experiences illustrate the potential benefits of AI tools in enhancing productivity and the quality of scientific communication.
2. **ChatGPT**: A generative AI chatbot that assists users in producing fluent responses and improving writing quality, playing a central role in the discussion of AI's

Choose from **suggested research topics** based on the document

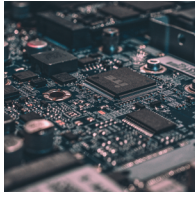
The screenshot shows the Research Assistant sidebar for the article "HOW GENERATIVE AI COULD DISRUPT SCIENTIFIC PUBLISHING". It highlights suggested research topics based on the document and provides a summary of the article's main points.

**Research Assistant**

Here are related **research topics**.

1. Impact of generative ai on scientific publishing: Understanding how generative AI tools can disrupt traditional scientific publishing practices is crucial for adapting to new methodologies and maintaining research integrity.
2. Peer review process and ai assistance: Investigating the role of AI in enhancing the peer review process can lead to improved efficiency and quality in manuscript evaluations.

# ProQuest One Applied & Life Sciences includes the following Collections

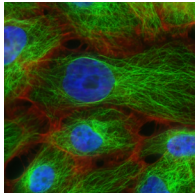


## ADVANCED TECHNOLOGIES & COMPUTER SCIENCE COLLECTION

Provides comprehensive full-text access to scholarly journals, trade and industry publications, magazines, technical reports, conference proceedings, dissertations, and government documents from around the world. It covers

a wide range of topics, including aeronautics, astronautics, AI, communications, computer and information technology, electronics, lasers, solid-state materials, space sciences, and telecommunications.

With the full text of over 2,500 publications the collection also spans high-tech and aerospace domains such as fluid mechanics, navigation, lasers, mathematics, and computers, complemented by extensive patent and conference literature. Designed to meet diverse skill levels, the database supports a range of users from general researchers to experts, enabling easy access through tools like Google Scholar.



## BIOLOGICAL SCIENCE COLLECTION

Combines full-text content with specialized bibliographic content, offering extensive resources in Biological Sciences. It includes over 1,800 scholarly journals, trade and industry titles, books, conference proceedings, and newswires, covering diverse fields such

as microbiology, biochemistry, ecology, genetics, and virology.

Designed for users ranging from general researchers to domain experts, it features grey literature like reports and working papers alongside peer-reviewed abstracts and citations from the Biological Science Index. This breadth ensures comprehensive support for biological and related sciences research.



## ENGINEERING COLLECTION

Coverage across key engineering and applied science disciplines, including chemical, electronic, environmental, civil, mechanical, bioengineering, sustainability, and more. This robust resource integrates ProQuest's award-winning search functionality with cross-

search capabilities for specialized abstract and citation databases.

It includes millions of articles from almost 2,000 full text scholarly journals, as well as trade publications, industry journals, conference proceedings, dissertations, reports, and news sources. Users benefit from advanced search capabilities, immediate full-text access, and tools like Web of Science citation counts, which aid in discovering key research, assessing impact, and staying current with developments in their fields.



## MATERIALS SCIENCE COLLECTION

Combines the Materials Science Database and Materials Science Index, providing comprehensive access to international literature in materials science, metallurgy, ceramics, polymers, and composites.

This resource covers the entire lifecycle of materials—from raw materials and refining to processing, welding, fabrication, performance, corrosion, and recycling—across metals, alloys, polymers, ceramics, and composites.

It includes more than 1,200 full text periodicals, over 700 of which are peer-reviewed, including leading journals like Applied Mechanics & Materials, Nature Materials, and Materials Science & Engineering Reports. Researchers benefit from high-quality abstracts, enabling efficient evaluation of content, including foreign publications, through METADEX indexing.

## Broad Interdisciplinary Coverage

### Subjects include:

- AI & Computer Science
- Animal Science
- Biotechnology
- Biological Sciences
- Chemistry
- Engineering
- Materials science
- Mathematics
- Robotics



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