Introduction to Elsevier resources supporting development of Library professionals

26th June 2025

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Agenda

The aim of this presentation is to gain insights into:

- Origin of Scientific Publishing & Current Scenario
- Role of a publisher (Elsevier) & how they support librarians and research
- Elsevier Resources Supporting Librarian Development

Origin of Scientific Publishing

➢ 1665: Publication of first scientific journal "*Philosophical Transactions of the Royal Society*"

➢ The society's council minutes dated 1 March 1664 ordered that *"the Philosophical Transactions, to be composed by Mr Oldenburg, be printed the first Munday of every month, if he have sufficient matter for it."*

➢ Private venture of the Royal Society's secretary, Henry Oldenburg

➢ Still exist (as Part A and Part B)

PHILOSOPHICAL TRANSACTIONS

Philosophical Transactions is the world's first and longest-running scientific journal. It was launched in March 1665 by Henry Oldenburg (c.1619-1677), the Society's first Secretary, who acted as publisher and editor.

Origin of Scientific Publishing

"Philosophical Transactions of the Royal Society" already contained three key elements of a journal:

- Registration and archiving:

"We must be very careful as well of regist'ring the person and time of any new matter, as the matter itselfe, whereby the honor of the invention will be reliably preserved to all posterity"

- Dissemination

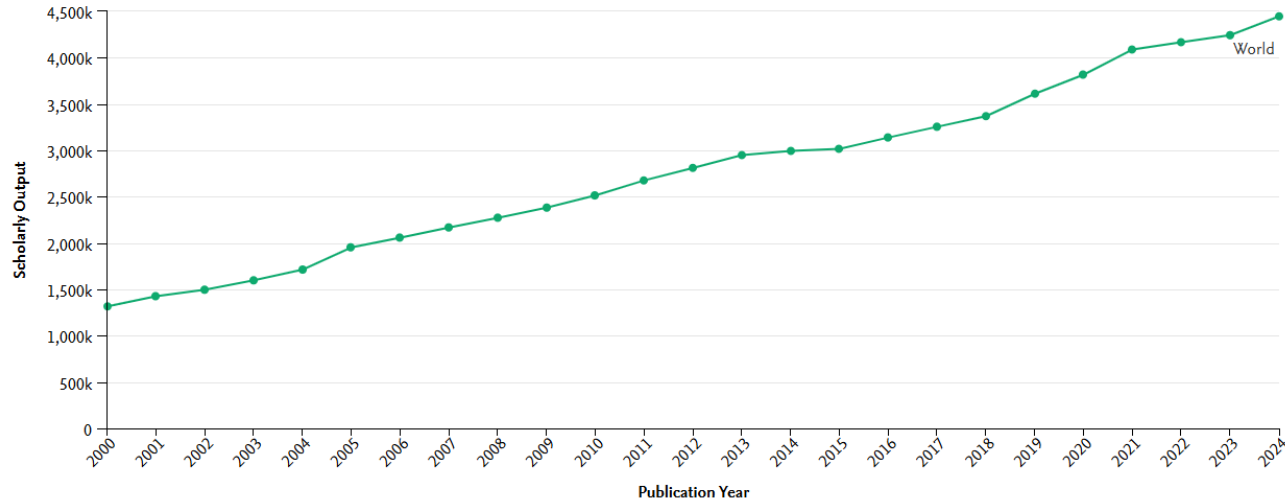"...all ingenious men will thereby be incouraged to impact their knowledge and discoverys"

- Peer review
- " ...being first revised by some Members of the Council of this Society ."
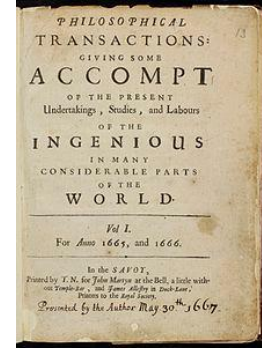
Scientific Publishing nowadays

Research output growth 2000-2024

Source: https://scival.com

- ~**10,000** scientific journal publishers
- ~**70,000** peer-reviewed scholarly journals
- **Publications increases @ ~3-4% per year.** Since 2021**, > 4 Million** published documents per year.
- No of authors **increased 28.8%** over the 2020-2024 period, from **7.21M** in 2020 to **9.24M** in 2024
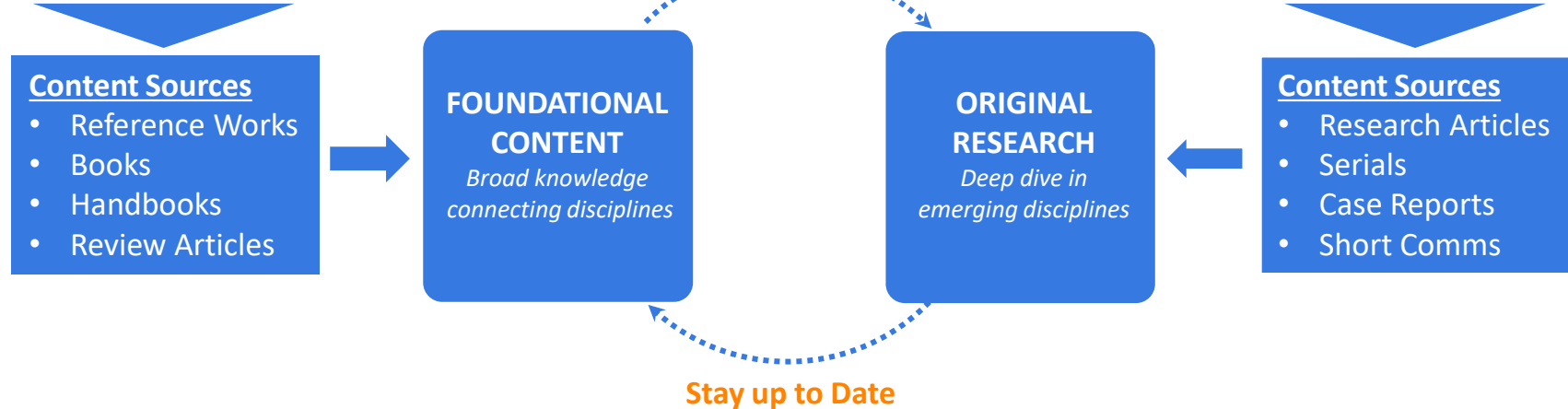
Information Discovery
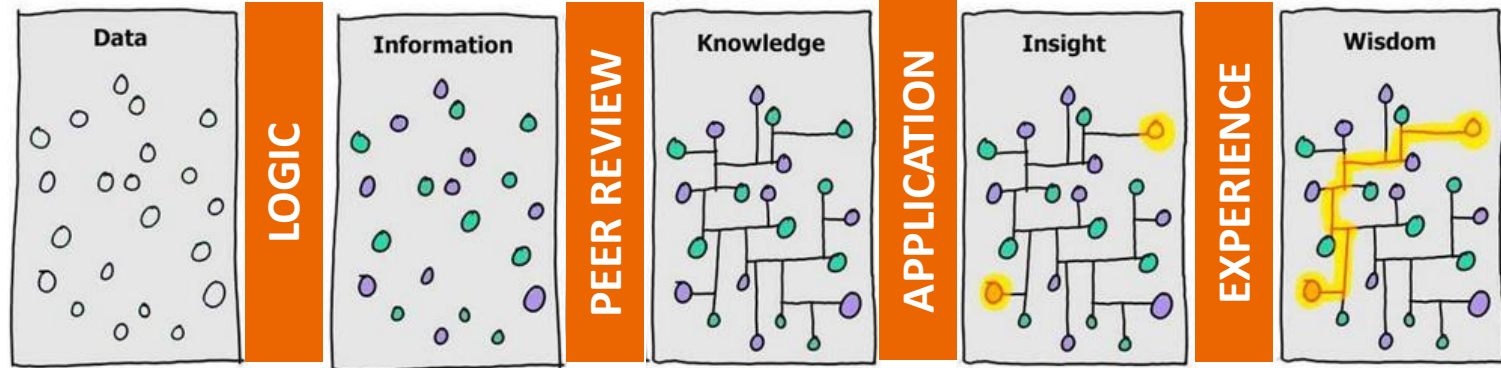
With an ocean of data surrounding you.. It takes logic, peer review, application and experience to achieve wisdom

To build knowledge, researchers and students need both Foundational Content and Original Research

- Established facts
- Baseline knowledge
- Multifaceted/Multidisciplinary
- Written by leaders in their field

- Latest research / new results
- Specialised knowledge
- Narrow focus, extreme depth
- Applying techniques

Get up to Speed

Content Sources
- Reference Works
- Books
- Handbooks
- Review Articles

FOUNDATIONAL CONTENT
Broad knowledge connecting disciplines

ORIGINAL RESEARCH
Deep dive in emerging disciplines

Content Sources
- Research Articles
- Serials
- Case Reports
- Short Comms

Stay up to Date

ELSEVIER

How Elsevier supports research excellence

1 **Access to quality research content**

a. ScienceDirect: the world's leading source for STM research
b. Scopus: the world's largest abstract and citation database of peer-reviewed academic literature
c. Specialized tools to advance research- Reaxys, Knovel, EV, Embase etc.

2 **R&D capacity building and training**

a. Building capacity through training and research workshops
b. Connecting talent and fostering collaboration by helping institutions identify possible research partners
c. Professional development of Librarians

3 **Research evaluation and management solutions**

a. SciVal: a tool for visualizing research performance, benchmarking, developing collaborative partnerships, and analyzing research trends
b. Producing custom-tailored white paper reports using Elsevier's advanced data analytics capability

4 **Raising visibility of researchers**

a. Increasing researchers' identifiability
b. Showcasing researchers' work
c. Broadcasting research through social networking services

Elsevier resources supporting Librarians

Elsevier's Dedicated Website for Librarians

Elsevier for Librarians

Find librarian resources to effectively implement, report on and engage users with Elsevier products and to stay up-to-date on LIS and job-related topics

As a librarian, you have a critical role in empowering your organization and library users — to access and create research with a lasting impact and to educate the next generation of scholars, researchers and practitioners.

On this page you will find links to resources that will support you in these goals.

https://www.elsevier.com/en-in/librarians

Information literacy

Scholarly communication

Technical services

Professional development

Elsevier- Resources and support for Librarians

https://www.elsevier.com/en-in/librarians
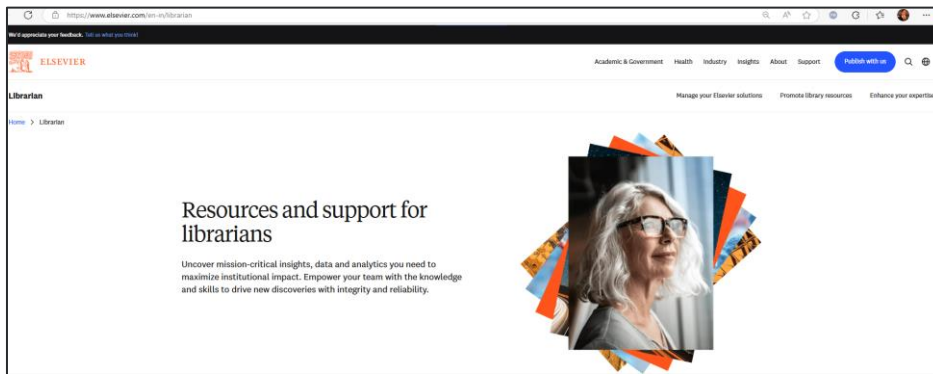
What's new?

- **What if halving premature deaths was a new reality?** ↗ Join us as we explore what it will take to achieve this ambition in collaboration with research and healthcare communities

- **Introducing ScienceDirect AI**: Help researchers effortlessly uncover mission critical insights from trusted, quality peer-reviewed literature

- **Free GenAI Literacy Program for Librarians**: Develop AI literacy and confidently navigate new tools and technologies with this free e-learning certification program

- **Institutional Ordering Platform**: Institutional customers can buy access to ScienceDirect books and journals through our upgraded self-service platform

Featured resources

- **Elsevier LibGuides** ↗: Learn how to use Elsevier tools and databases to strengthen research capabilities

- **Library Connect Academy**: Test your knowledge about information literacy, research data management and more

- **GenAI Resource Hub for librarians**: Discover how to harness AI responsibly and equip your library with the right tools

- **Open access**: Learn about open access at Elsevier and our fast-growing offers

- **Transformative agreements**: See how consortia and institutions are benefiting from transformative agreements that deliver impact

- Browse the latest curated **journal** and **book** titles available on ScienceDirect. Sign up to be among the first to **receive notifications about new titles**.

Perspectives from impact makers in the librarian community

Case study

Preparing for a transformative agreement: Library leaders share their experience

Connect
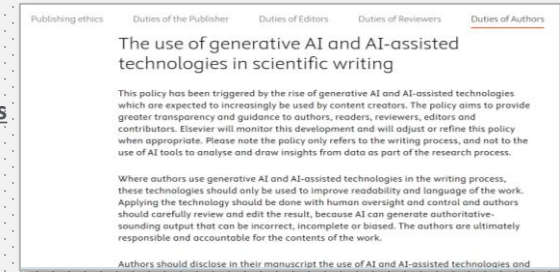
The role of AI in library services

Connect

Open access essentials for librarians

How is the scholarly communication community responding to the rise of GenAI?

- Many universities, STM organizations, publishing ethics organizations such as COPE, learned societies and publishers have **created policies for researchers** on **responsible use** of (Generative) AI. We are **collaborating** to form **uniform** and **understandable guidelines** and are providing more context through **author webinars, online panels, and other events.**

- Some publishers do not allow the use of Gen AI under any condition, but most do allow authors to use the technology for a **defined purpose** (language and readability), if **properly disclosed**.

- **Policies** are likely to be **refined** and **adapted** as the **technology develops**, and in **response to community** feedback as well as in response to **evolving legislation**.

We are establishing a framework for ethical and responsible employment of GenAI through policies and guidance

Elsevier GenAI Ethics Policies

Publishing ethics | Duties of the Publisher | Duties of Editors | Duties of Reviewers | Duties of Authors

The use of generative AI and AI-assisted technologies in scientific writing

This policy has been triggered by the rise of generative AI and AI-assisted technologies which are expected to increasingly be used by content creators. The policy aims to provide greater transparency and guidance to authors, readers, reviewers, editors and contributors. Elsevier will monitor this development and will adjust or refine this policy when appropriate. Please note the policy only refers to the writing process, and not to the use of AI tools to analyse and draw insights from data as part of the research process.

Where authors use generative AI and AI-assisted technologies in the writing process, these technologies should only be used to improve readability and language of the work. Applying the technology should be done with human oversight and control and authors should carefully review and edit the result, because AI can generate authoritative-sounding output that can be incorrect, incomplete or biased. The authors are ultimately responsible and accountable for the contents of the work.

Authors should disclose in their manuscript the use of AI and AI-assisted technologies and

Home

Authorship and AI tools

C O P E

COPE position statement

The use of artificial intelligence (AI) tools such as ChatGPT or Large Language Models in research publications is expanding rapidly. COPE joins organisations, such as WAME and the JAMA Network among others, to state that AI tools cannot be listed as an author of a paper.

COPE Position statement on Authorship and AI Tools

STM

GENERATIVE AI IN SCHOLARLY COMMUNICATIONS
DEC 2023

Ethical and Practical Guidelines for the Use of Generative AI in the Publication Process

www.stm-assoc.org

STM Whitepaper on GenAI in scholarly communications

Resources to support librarians around GEN AI

Library Connect Academy | New GenAI Module in Development

Overview

- Open, self-paced course hosted on the Canvas LMS.
- Focus on GenAI Literacy for librarians to support readiness to adopt new AI solutions.
- Incorporates R&L GenAI messaging framework.
- Being created in consultation with the ACRL president-elect, Leo S. Lo.
- **Modules:** AI Foundations, Risks & Benefits of AI, Responsible use of AI & additional resources.

Library Connect Academy

Resources for library and information science professionals looking to enhance their skills utilizing content developed by their peers.

Expected launch date: November 2024

Module on GEN AI for librarians

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19 m — FUNDAMENTALS OF MANUSCRIPT PREPARATION
policies, opportunities and risks
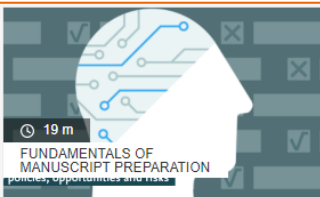
Generative AI in the Publishing Community

The rise of generative AI and AI-assisted technologies has led to new policies for researchers, offering transparency and guidance.

1.5 h — FUNDAMENTALS OF PEER REVIEW
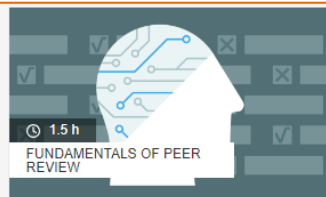
Generative AI in research evaluation

Virtual panel co-sponsored by Cell Press and Elsevier recognizing Peer Review Week.

23 m — FUNDAMENTALS OF MANUSCRIPT PREPARATION
policies, opportunities and risks
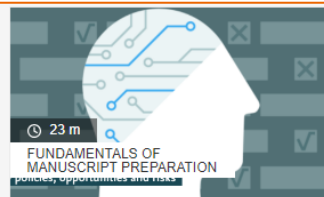
Generative AI: Q&A

Could AI reduce the time from manuscript submission to publication? Does your author policy refer to AI as it is used in many fields in the research process, for example, to process data?

1 h — FUNDAMENTALS OF MANUSCRIPT PREPARATION
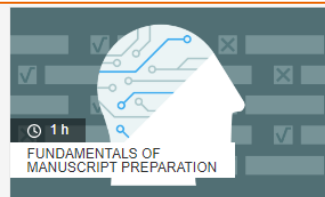
Generative AI: New policies, opportunities, and risks

The rise of generative artificial intelligence (AI) and AI-assisted technologies has triggered new polici

Researcher Academy courses

Elsevier's Responsible AI Principles

1. We consider the **real-world impact** of our solutions on **people**

2. We take action to **prevent** the creation or reinforcement of **unfair bias**

3. We can **explain** how our solutions **work**

4. We create **accountability** through **human oversight**

5. We **respect privacy** and champion **robust data governance**

For more than a decade, *Elsevier* has been using AI and machine learning technologies responsibly in our services and products to help researchers discover and apply trusted knowledge: See our Elsevier Responsible AI Principles
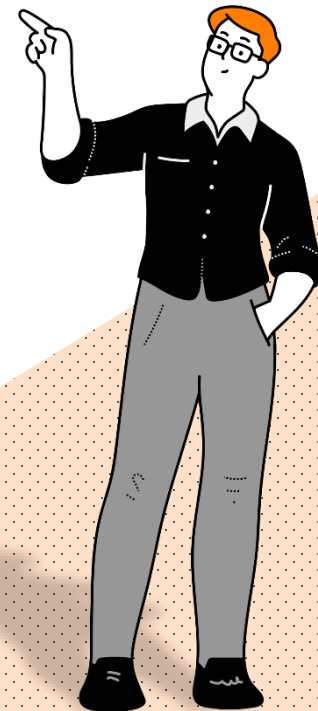
Elsevier's policies for authors, editors and reviewers on Generative AI

Authors

- Only use Generative AI to **improve readability** and **language** of work

- Apply **human oversight** and **control**

- **Disclose use of Generative** AI

- **Not list or cite** Generative AI and AI-assisted technologies **as (co) author**

Editors and reviewers

- **Not upload the manuscript** into an AI tool- this may violate confidentiality and author's rights

- **Not upload peer review report or editorial decision letters** – they may contain confidential information as well

- Generative AI should **not be used to assist in the review, evaluation or decision-making process**

Figures, images, artwork

- Don't use Generative AI to **create or alter images** in submitted manuscripts

- **Exception**: Where the use of Generative AI or AI-assisted tools is **part of the research design** or **research methods**

- The use of generative AI or AI-assisted tools in the **production of artwork is not permitted** (but may in exceptional cases be allowed for cover art)

Please note the author policy only refers to the use of Generative AI in the writing process, and not to the use of AI tools to analyze and draw insights from data as part of the research process.
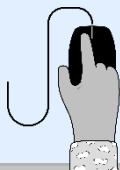
Policies are published on Elsevier's Publishing Ethics page:

- https://www.elsevier.com/about/policies/publishing-ethics

- Further guidance can be found in the Elsevier Responsible AI Principles

Research Data Management Librarian Academy

The Research Data Management Librarian Academy (RDMLA) is a **free online professional development program for librarians, information professionals, or other professionals** who work in a research-intensive environment throughout the world. RDMLA features a unique partnership between a LIS academic program, academic health sciences and research libraries, and Elsevier. Partner institutions include:

- 🏛 Harvard Medical School
- 🏛 Harvard Library
- 🏛 Simmons University
- 🏛 Boston University
- 🏛 Brown University
- 🏛 Massachusetts College
- 🏛 Northeastern University
- 🏛 Tufts University
- 🏛 **Elsevier**

✓ **RDMLA** curriculum focuses on the essential knowledge and skills needed to collaborate effectively with researchers on data management.
✓ The curriculum features **Eight Online Self-paced Learning Units**
✓ **C**overs topics such as
Foundations of research data management
Research culture
Advocating and marketing for RDM services in libraries
Project management
Overview of research data management tools etc.

https://rdmla.github.io/
https://www.canvas.net/browse/simmonsu/courses/research-data-management

Scopus/SciVal/Pure Certification Program for Librarians

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SciVal
CERTIFIED

If you wish to join one of these programs, please write to us:

Denis Reidy
d.reidy@elsevier.com

And

Vishal Gupta
v.gupta@elsevier.com

ELSEVIER

Elsevier Lecture Series 2025 - Webinar series

Lecture series 2025

The 2025 Lecture Series offers in-depth insights into Elsevier's solutions and databases, designed to maximize value for you and your academic community.

Each series of 3-6 lectures is structured around a particular solution or database and begins with a basic overview before continuing to intermediate topics. A subject matter expert will lead each session and facilitate a Q&A at the end.

Whether you want to attend individual lectures or the entire series, registration is easy through the following links. Recordings will be made available for those who register but cannot attend live sessions.

We hope to see you there!

Register now!

Regional schedules

Americas	APAC (Asia-Pacific)	EMEA (Europe, the Middle East and Africa)
Engineering Village >	Engineering Village >	Engineering Village >
Embase >	Embase >	Embase >
Knovel >	Knovel >	Pure >
Pure >	Pure >	Reaxys >
Reaxys >	Reaxys >	SciVal >
SciVal >	SciVal >	Scopus >
Scopus >	Scopus >	

Online webinars

Lecture Series 2025. Learn more and register now >

Elsevier Lecture Series 2025 - Webinars

SciVal

SciVal Essentials: A Refresher on the Fundamentals and New Features
Thu, Apr. 17, 2025 · 10:00 am (BST)

Galina Yakshonak — Customer Success Consultant, Elsevier
Alison Ferret — Customer Success Manager, Elsevier

Custom SciVal Groups and Reporting Made Easy
Tue, May. 06, 2025 · 10:00 am (BST)

Galina Yakshonak — Customer Success Consultant, Elsevier
Khalid Shalan — Customer Success Manager, Elsevier

SciVal and University Rankings
Thu, May. 15, 2025 · 10:00 am (BST)

Galina Yakshonak — Customer Success Consultant, Elsevier
Sarah Clichet Rodrigues — Customer Success Manager, Elsevier

SciVal: Research Performance and Collaboration Evaluation
Thu, Sep. 04, 2025 · 10:00 am (BST)

Galina Yakshonak — Customer Success Consultant, Elsevier
Mohamed Raed — Customer Success Manager, Elsevier

SciVal for discovering Research Trends and Emerging Topics
Thu, Oct. 02, 2025 · 10:00 am (BST)

Galina Yakshonak — Customer Success Consultant, Elsevier
Christiane Fiorin — Customer Success Manager, Elsevier

SciVal for Broader (societal) Impact
Tue, Nov. 11, 2025 · 10:00 am (GMT)

Galina Yakshonak — Customer Success Consultant, Elsevier
Sebastiano Rossitto — Senior Customer Success Manager, Elsevier

Scopus®

Scopus: Literature Reviews Made Simple
Thu, Apr. 24, 2025 · 10:00 am (BST)

Galina Yakshonak — Customer Success Consultant, Elsevier
Daneshree Moodley — Customer Success Manager, Elsevier

Scopus Essentials: A Refresher on Core Features and Recent Enhancements
Thu, Jun. 12, 2025 · 10:00 am (BST)

Galina Yakshonak — Customer Success Consultant, Elsevier
Kirill Ivanov — Customer Success Manager, Elsevier

Scopus AI: intuitive and intelligent search and discovery
Thu, Jun. 26, 2025 · 10:00 am (BST)

Galina Yakshonak — Customer Success Consultant, Elsevier
Pablo Secades — Customer Success Manager, Elsevier

Scopus for Journal Selection
Thu, Sep. 11, 2025 · 10:00 am (BST)

Galina Yakshonak — Customer Success Consultant, Elsevier
Kirill Ivanov — Customer Success Manager, Elsevier

Scopus Author & Affiliation Profiles and the Elsevier Data Ecosystem
Thu, Oct. 30, 2025 · 10:00 am (GMT)

Galina Yakshonak — Customer Success Consultant, Elsevier
Bishoy Aziz — Customer Success Manager, Elsevier

Scopus API for Advanced Users
Thu, Nov. 20, 2025 · 10:00 am (GMT)

Galina Yakshonak — Customer Success Consultant, Elsevier
Anton Degtev — Customer Success Manager, Elsevier

Reaxys®

Exploring the Properties, Synthesis, and Reactivity of Organic Compounds with Reaxys
Wed, May. 28, 2025 · 10:00 am (BST)

Piotr Golkiewicz — Customer Success Consultant, Elsevier
Joan Sapin — Customer Success Manager, Elsevier

Exploring the Properties, Synthesis, and Reactivity of Inorganic Compounds with Reaxys
Tue, Aug. 12, 2025 · 10:00 am (BST)

Piotr Golkiewicz — Customer Success Consultant, Elsevier
Alison Ferret — Customer Success Manager, Elsevier

Bridging Chemistry and Pharmacology: Unlocking Bioactivity Insights with Reaxys
Wed, Sep. 17, 2025 · 10:00 am (BST)

Dr. Shimaa Heikal — Customer Success Consultant, Elsevier
Mohamed Raed — Customer Success Manager, Elsevier

A Deep Dive into Analytical and Environmental Chemistry and Material Sciences with Reaxys
Wed, Oct. 15, 2025 · 10:00 am (BST)

Piotr Golkiewicz — Customer Success Consultant, Elsevier
Sergio Vidal — Customer Success Manager, Elsevier

Elsevier's tools enabling research on SDGs

RELX
SDG Resource Centre

**Scopus**

SciVal

ScienceDirect

- ➤ As a multinational business and signatory of the UN Global Compact, RELX Group has a role to play in advancing the SDGs.

- ➤ The SDG Resource Centre showcases the latest in science, law, business, events and more that can help drive forward the SDGs

- ➤ The aim is to support the UN in implementing the SDGs and to broaden awareness and understanding of the SDGS for our customers, governments, researchers, companies, NGOs and individuals.

Pre-generated queries ⑦

UN Sustainable Development Goals 2020 ⌃

1. No poverty
2. Zero hunger
3. Good health and well-being
4. Quality education
5. Gender equality
6. Clean water and sanitation
7. Affordable and clean energy
8. Decent work and economic growth
9. Industry, innovation and infrastructure
10. Reduced inequalities
11. Sustainable cities and communities
12. Responsible consumption and produc...
13. Climate action
14. Life below water
15. Life on land
16. Peace, justice and strong institutions
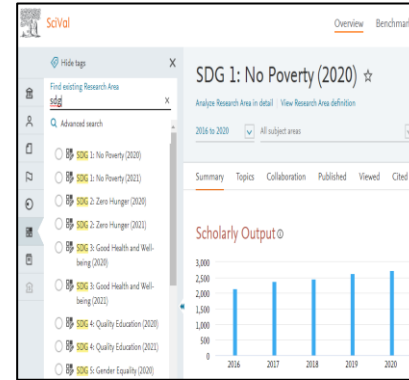
- ✓ **3,000+ journals, 18+ million articles**

- ✓ **39,000 e-books, including books, book series and major reference works**

- ✓ **Digital archives that reach as far back as 1823.**

- ✓ **Multidisciplinary content categorized into 23 Subject Collections**

- ✓ **Journals and books available for all SDG focus areas**

'We have the content; we have the international reach. We have the ambition, we have the people, and we have an incredible capacity to innovate. We can use all of that to advocate for better policies and better action to reach these goals.' The aim of the SDG Resource Centre is to do just that.
-Richard Horton, Editor: The Lancet

Elsevier Researcher Academy: *Free Online Learning Platform*
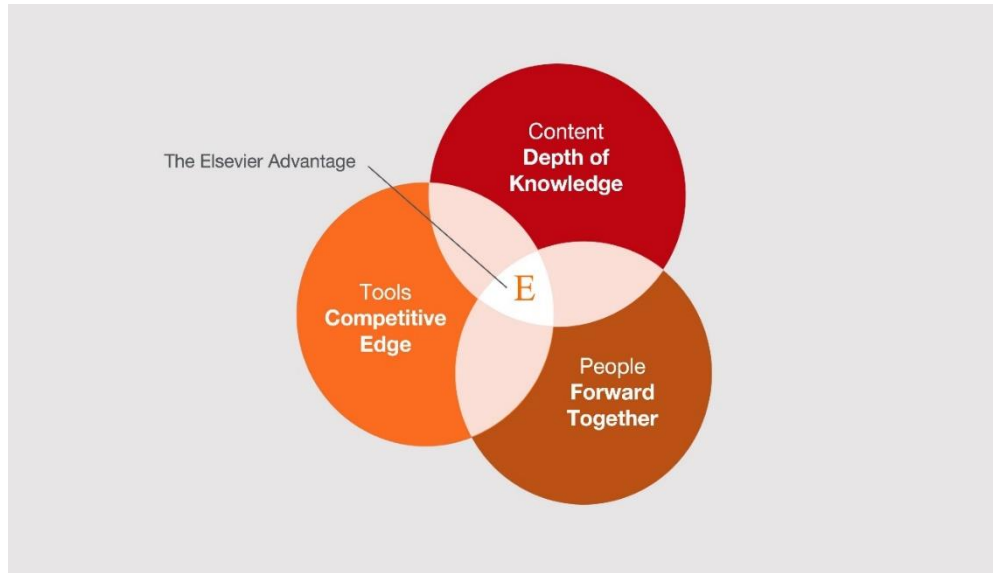
https://researcheracademy.elsevier.com/

Navigate your research journey with Researcher Academy. Free e-learning modules developed by global experts Career guidance and advice. Research news on our blog.

RESEARCH PREPARATION
- Funding
- Research design
- Research data management
- Research collaborations
- Sex and Gender Equity in Research (SAGER) Guidelines

WRITING FOR RESEARCH
- Fundamentals of manuscript preparation
- Writing skills
- Technical writing skills
- Book writing

PUBLICATION PROCESS
- Fundamentals of publishing
- Research metrics
- Finding the right journal
- Ethics
- Open science
- How to publish in premium journals
- Publishing in the Chemical Sciences

NAVIGATING PEER REVIEW
- Certified Peer Reviewer Course
- Fundamentals of peer review
- Becoming a peer reviewer
- Going through peer review

COMMUNICATING YOUR RESEARCH
- Social impact
- Ensuring visibility
- Inclusion and Diversity for Researchers

Appendix:

Scopus AI

The telescope:
From strategy to discovery

- Bird's eye view of the full research landscape
- Make connections across research fields
- Great for research strategy and planning

What it's for:
- Find relevant studies and quick insights from curated peer-reviewed literature
- Gain insights into the various perspectives on a topic, its current relevance, and the experts driving it.
- Explore a topic to brainstorm ideas for the next research theme
- Get help for comprehensive literature reviews

Wide coverage: Scopus AI is a gateway into Scopus' comprehensive and curated **collection of data and abstracts** from Scopus, so you can get a quick overview in seconds.

ScienceDirect AI

The microscope:
From question to evidence

- Deep dive into full-text content
- Synthesize evidence within papers
- Practical insights for research execution

What it's for:
- Synthesize evidence from within multiple studies
- Compare different experiments, to spot similarities and differences in results, methods and more
- Verify AI-generated assertions by reading the original source passage

In-depth information: ScienceDirect AI is a gateway into the **full-text** of millions of peer-reviewed articles and book chapters, making it the ideal choice for detailed analysis.

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