# ScienceDirect LibGuide: ScienceDirect AI

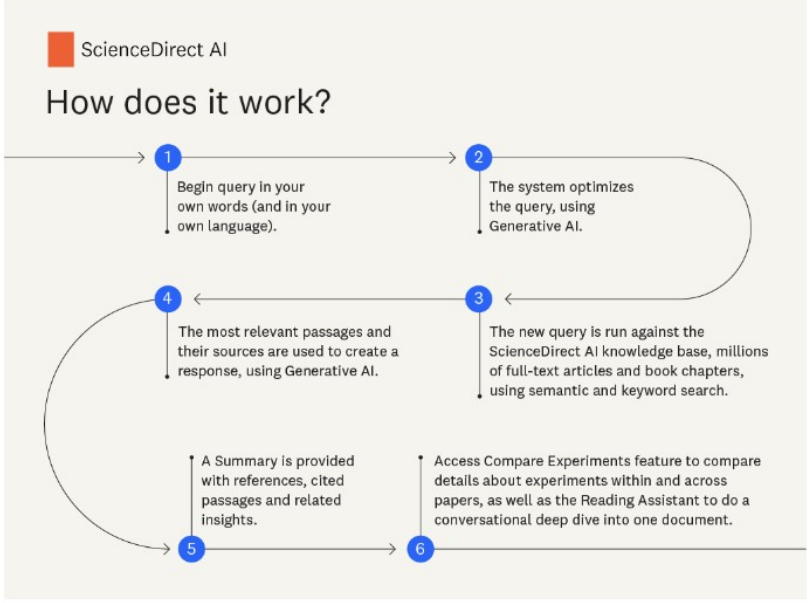


## What is ScienceDirect AI?

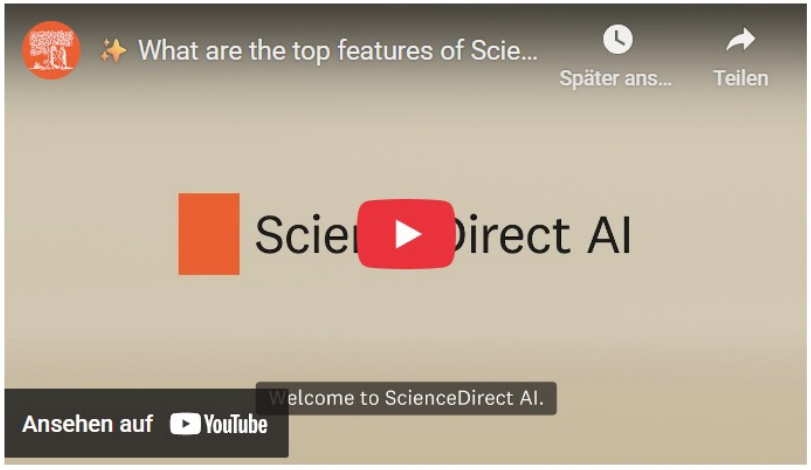
ScienceDirect AI (SD AI) is the companion that enables researchers to explore, compare and uncover insights from deep within the full-text of quality peer-reviewed literature, with one click.

Built on the most trusted peer-reviewed journal articles and book chapters, ScienceDirect AI surfaces critical evidence and ties it back directly to its original source, enabling traceability and reproducibility – a must for trustworthy research – so you can go from question to evidence in seconds, not days.

## How does it work?




## What are the top features?




## Responsible AI principles

ScienceDirect AI was developed employing Elsevier's responsible AI principles:

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

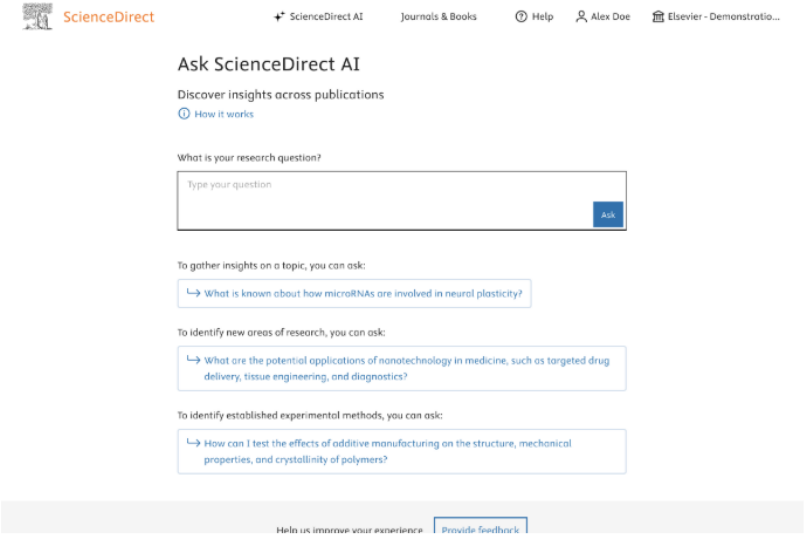
## Getting started with Ask ScienceDirect AI

Ask ScienceDirect AI provides insights from across the underlying corpus of full-text, peer-reviewed scientific articles and book chapters.

Start your journey at sciencedirect.com/ai

1. Enter your query by describing what you are looking for in your own words and the system will optimize your query to return the most relevant results.
2. Click on Ask

If you aren't sure where to start, view the pre-selected questions to explore the features on **ScienceDirect AI** or get inspired.




- We take action to prevent the creation or reinforcement of unfair bias.
- We can explain how our solutions work.
- We create accountability through human oversight.
- We respect privacy and champion robust data governance

Read more

## Reading Assistant

The **Reading Assistant** is a versatile tool designed for responding to questions, analysis, or summarization of individual articles and book chapters.

It is available on all full-text articles and book chapters on **ScienceDirect** that the user has access to, including entitled subscription content, open access, open archive and promo access articles.

Use the reading tool to:

- Receive a summary of the individual article
- Ask questions in your own words or use the suggested questions (available on a selection of articles) as a guide.

Responses from the reading assistant include **source references**. When the user clicks on the numbered references, ScienceDirect AI will highlight the information snippets that were used to respond to the question in the text.

## Compare experiments

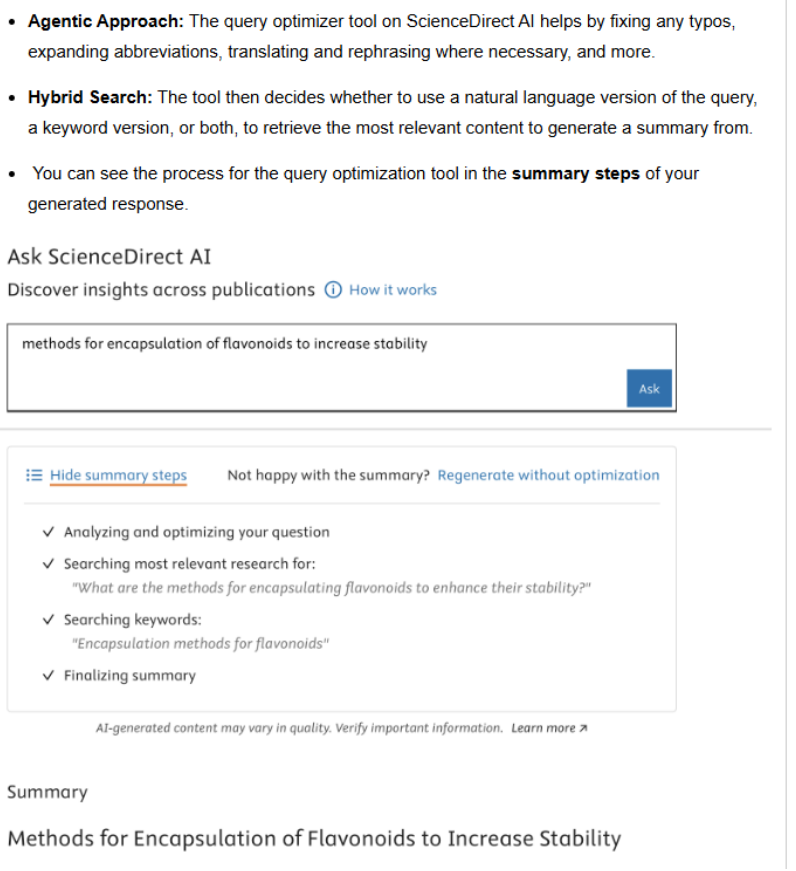
Use the C**ompare experiments** function to view a table of all studies related to your query. The table compares each study's goals, materials, methods, results and conclusions.

If multiple experiments exist within the article, they will each be populated into the table respectively.

## Search tools to improve your results

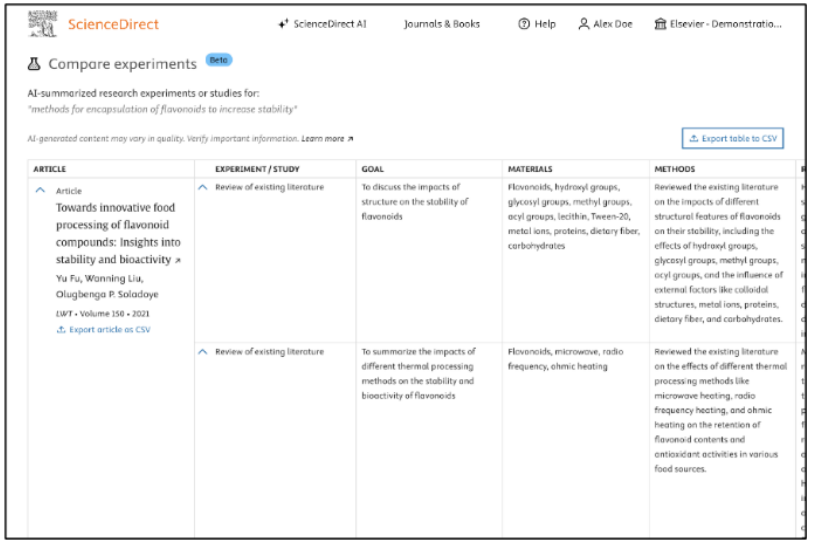
The query optimization tool was developed to support specific and complex queries. This tool employs a variety of techniques to generate the best possible response.

- **Agentic Approach:** The query optimizer tool on ScienceDirect AI helps by fixing any typos, expanding abbreviations, translating and rephrasing where necessary, and more.
- **Hybrid Search:** The tool then decides whether to use a natural language version of the query, a keyword version, or both, to retrieve the most relevant content to generate a summary from.
- You can see the process for the query optimization tool in the **summary steps** of your generated response.




If you want to compare experiments within the search results on **ScienceDirect**, select the papers you want to use before selecting **Compare experiments.**

Once the results are populated, you can export your results into a CSV file.




## My Library

The My Library page on **ScienceDirect** is your personal reference space, designed to streamline your reference management. Save and view the documents you discovered on ScienceDirect AI, in one convenient place.

This is a mirror of your **Mendeley** library, which you can access with the same login you use for **ScienceDirect**. Anything you save in **Mendeley** will appear in **My Library** and vice versa.

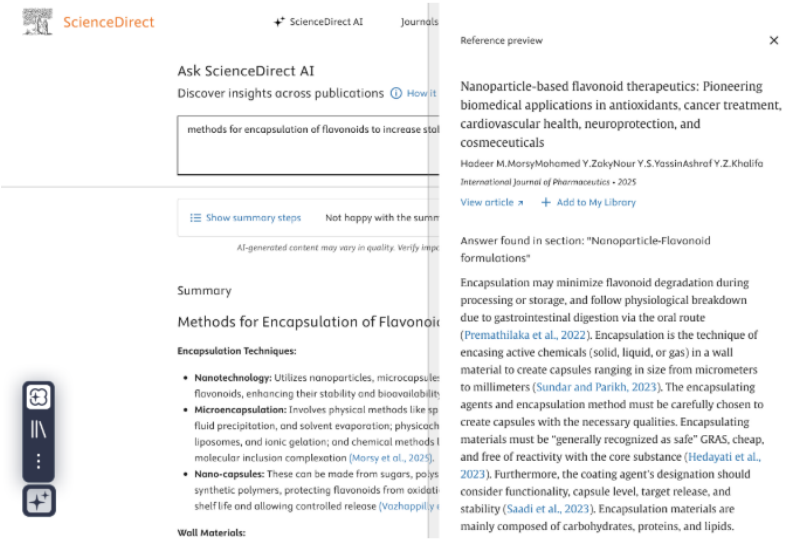
Users can always choose to regenerate the response without optimization.

## Understanding your results

ScienceDirect AI uses millions of full-text articles and book chapters to deliver your results.

The **Summary** will provide a response to your question citing specific sources. Every assertion references one or more specific passages and their respective source-documents.

Click on the citations to view **source snippets**, taken directly from the full text of the original document. With one click, you are then redirected to the source content of the snippet.




Expand the "**References from summary**" section to view a generated description of each reference

## Navigation

Use the navigation widget to jump to other features on ScienceDirect AI

A. Ask ScienceDirect AI

B. My Library

C. Information, Help, and Frequently Asked Questions

D. Minimize navigation widget


## More information

For more information, visit the support center.

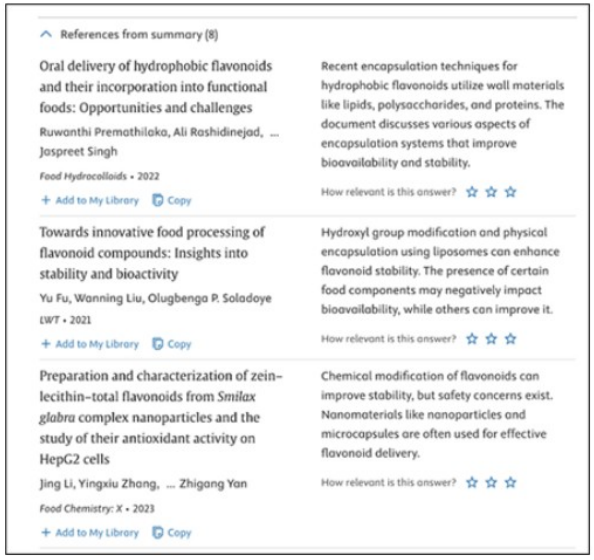
View the FAQs

View the quick reference guide

Empowering Research Through Responsible AI on ScienceDirect webinar: Learn about Generative AI (GenAI) developments on ScienceDirect and meet the team enabling researchers to explore, compare, and uncover evidence from deep within peer-reviewed literature.

material used. Understand how specific insights in the document relate to what you need to know. Add these references to your library to read later or copy the citation information.

Rate the quality of the AI-generated snippets using the star-rating – we are working to improve them every day!




Discover related insights, experiments and recommendations for further searching below your Summary.

### Develop your AI literacy skills

Gain a deeper understanding of generative AI (GenAI) with Library Connect Academy's GenAI Literacy Program, a self-paced professional development course for librarians.

In three courses, you will learn:

- Key GenAI tools and underlying technologies
- Core benefits and limitations for librarians, students and faculty
- Best practices for using GenAI tools
- Top considerations for choosing GenAI tools


Get started