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Scopus LibGuide: Scopus AI

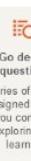
What is Scopus AI?

Scopus AI is a search tool that utilizes generative AI (GenAI) technology to assist users in retrieving and summarizing information. Built in close collaboration with the academic community, it provides insights by surfacing information from metadata, abstracts, and author profiles in Scopus, Elsevier's source-neutral and curated abstract and citation database.

Scopus AI uses natural language processing. That means that instead of searching for the right keywords or Boolean operators, you can just type in your question, statement or hypothetical using everyday language. Depending on what you want to know, Scopus AI's Copilot query tool decides whether to use a vector and/or keyword search to locate relevant documents from across the 7,000+ publishers in the database, focusing on those published since 2003. It synthesizes the content of these documents' abstracts to create a referenced Summary of the information you are seeking.

What is included in a Scopus AI response?

What is included in a Scopus AI response?



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How does it work?

Scopus AI generates results within seconds



Step 1:
You type in your query



Step 2:
Scopus AI's Copilot search gets to work



Step 3:
Our large language model (LLM) generates your results



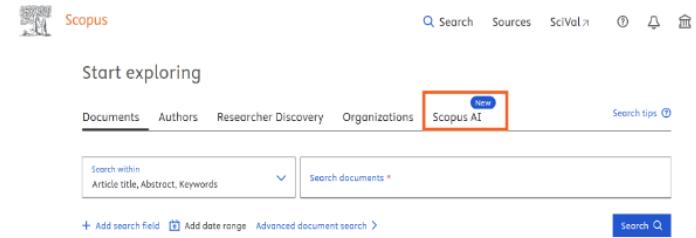
Developed in accordance with our **Responsible AI Principles**

These steps describe how the Summary is generated. Explore these **3 steps** in greater detail on the following slides.



How to get started with Scopus AI?

- From the **Scopus** homepage page, select the '**Scopus AI**' tab.



Start exploring

Documents Authors Researcher Discovery Organizations **Scopus AI** Search tips ⓘ

Search within Article title, Abstract, Keywords

Search documents ⓘ

+ Add search field Add date range Advanced document search > Search

- Type a query into Scopus AI in the words, format and language of your choice: Scopus AI supports natural language queries, so you can ask questions on your chosen topic in a natural, conversational manner.
- Press 'Enter' or select the arrow icon.
- From the result page, you can:
 - Save time with research summaries designed to be reliable and easy to digest.
 - Use features that can support building and deepening your research knowledge
 - Open new avenues of exploration with Concept maps
 - Explore fresh and trending research opportunities with Emerging themes

Summary with Scopus references

Save time with a quick summary for topics of interest. Scopus AI gives you a concise and trustworthy summary with academic references for each search.

Natural language queries

You can ask questions on your chosen topic in a natural, conversational manner, supported by our powerful Copilot search tool.

Scopus AI

What impact do microplastic pollutants have on marine biodiversity in coastal regions?

Hide Copilot steps ⌂

- Creating a plan to answer your query
- Performing natural language search:
 - What impact do microplastic pollutants have on marine biodiversity in coastal regions?
- Performing keyword search:
 - (("microplastic" OR "microplastic pollutant" OR "microbead" OR "plastic particle") AND ("marine" OR "ocean" OR "aquatic" OR "sea") AND ("biodiversity" OR "ecosystem" OR "species" OR "habitat") AND ("pollution" OR "contamination" OR "degradation" OR "impact") AND ("marine life" OR "fauna" OR "flora" OR "organism"))
- Generating summary

Here's how Copilot works:

- Copilot analyzes the content of your query to determine whether to perform a vector search, a keyword search, or both.
- It is designed to break down complex queries into their component parts and **optimize searches for channels it uses**; for example, for the keyword search it adds Boolean operators
- In doing so, it **considers more abstracts than the previous search**

Support of non-English queries

We realize exploring a new topic area can be difficult enough if English is your first language. But if **English isn't your native language**, delving into new subjects can be even more challenging. To

The screenshot shows the Scopus AI homepage. At the top, there's a navigation bar with 'Scopus' and links for 'Search', 'Sources', 'Scival', and 'Help'. Below the navigation is a main search area with tabs for 'Documents', 'Authors', 'Researcher Discovery', 'Organizations', and 'Scopus AI'. A search bar contains the placeholder 'What would you like to learn more about?'. Below the search bar is a section titled 'Explore new topics and discover relevant references from 2013' with a 'How it works' link. This section includes a list of search examples: 'What role does multisensory integration play in the formation of emotional memories?', 'How do urban green spaces contribute to mental well-being?', and 'How can game theory be applied to corporate compliance programs?'. There's also a 'Search examples' link.

address this issue, Copilot also includes an **intelligent language layer**, which can take a query in a non-English language and translate it into English, which is the language many researchers say they prefer to work in.

Copilot improves Scopus AI in other ways, including:

- Automatic correction of spelling mistakes to help improve response clarity
- **Processing of longer text queries**, including full abstracts
- **Expanding the number of search results Scopus AI provides** - up from 10 in the summary and 20 in the expanded summary to a new upper limit of 30

In line with Elsevier's Responsible AI principles, Copilot provides a **transparency layer** that explains how the tool is breaking down and optimizing your query. This feature is designed to enhance user understanding and is a step towards further refining Scopus AI.

Our 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.

Strengthen 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

Meet the experts

Scopus AI draws on the rich Author Profiles in Scopus to introduce the most active authors in your chosen field, along with explanations of their relevant expertise.

Topic experts

Belal Hossain, Mohammad Belal M.B.

2,861 citations 8 matching documents 30 h-index

Mohammad Belal Hossain is a recognized expert in the field of microplastic pollution, particularly in coastal ecosystems. Their recent work focuses on the contamination and ecological risks associated with microplastics in various habitats along the Bay of Bengal coast. By examining the retention efficiency of microplastics in different environments, they provide valuable insights into how these pollutants affect marine biodiversity. Their research also includes risk assessments of microplastics in fish species, highlighting the potential impacts on marine life and food webs. This comprehensive approach to studying microplastics positions them as a key contributor to understanding the broader implications of plastic pollution on coastal biodiversity.

[Preview profile](#)

- Best practices for using GenAI tools
- Top considerations for choosing GenAI tools

Library Connect
Academy

GenAI Literacy Program for librarians

Start now!

[Get started](#)

Learn about your chosen topic

Summary with Scopus references

- The **easy-to-digest Summary** provides a concise response to your initial query, designed to present information clearly.
- The **Expanded summary** offers more depth and a wider range of perspectives, supporting further exploration.

Start exploring

[Documents](#) [Authors](#) [Researcher Discovery](#) [Organizations](#) [Scopus AI](#)

Explore new topics and discover relevant references from 2013 [How it works](#)

What would you like to learn more about?



Identify new & trending research opportunities

Emerging themes is a new feature that is designed to help **identify and categorize consistent, rising, and novel themes** based on Scopus AI user queries.

It uses a new proprietary algorithm that rapidly scans Scopus documents from the last two years and clusters them by topic. This process effectively pinpoints “white space” that you can target for publications, collaborations, and funding opportunities.

For each identified theme, Emerging themes identifies the type of theme and provides a mini-summary, references, and suggested research hypotheses.

This feature can be valuable to a range of researchers helping them stay ahead of the curve and identify novel research areas.

The screenshot shows the Scopus AI interface with the "Emerging themes" tab selected. Below the tabs, there's a section titled "Go deeper" containing three collapsed cards with questions about microplastic pollutants. At the bottom, there's a "Feedback" button.

Take your research on the go

We understand that research doesn't just happen at your desk—it happens wherever inspiration strikes. That's why we've optimized Scopus AI for mobile, so you can access its full power wherever life takes you. The mobile version offers:

- A **user-friendly interface** that works on any device, from desktops to mobile devices, including smartphones and tablets
- The same **advanced search, analysis tools, and summary generation** you enjoy on your desktop
- **Near real-time synchronization** across your mobile and desktop, so you can pick up your work where you left off

Search examples

- ↳ What role does multisensory integration play in the formation of emotional memories?
- ↳ How do urban green spaces contribute to mental well-being?
- ↳ How can game theory be applied to corporate compliance programs?

Expanded summary

Based on the user's query, I will address the ecological effects of microplastic pollutants on marine biodiversity in coastal regions, the impact of microplastic pollutants on the food web in coastal marine ecosystems, the long-term consequences of microplastic pollution on coastal marine biodiversity, and the mitigation strategies for reducing the impact of microplastic pollutants on marine biodiversity in coastal regions.

Ecological Effects of Microplastic Pollutants on Marine Biodiversity:

- Microplastics are pervasive in marine ecosystems and pose a significant threat to marine organisms and ecosystems [1](#) [2](#) [3](#).
- Studies have shown that microplastics can cause physical and chemical risks to marine organisms, leading to alterations in behavior and survival rates [2](#).
- Research has demonstrated that microplastic consumption can affect the survival and behavior of marine organisms, such as beachhoppers, which may have flow-on effects to their local environment and higher trophic levels [2](#).

Impact of Microplastic Pollutants on the Food Web in Coastal Marine Ecosystems:

- Microplastics are ingested by a wide range of marine organisms, causing physical damage and physiological stress, which can interfere with feeding, growth, and reproduction, leading to adverse effects on marine populations [3](#).

Go deeper with suggested follow-ups

Scopus AI generates three Go deeper questions for each query that is designed to help you drill down and broaden your understanding.

Go deeper

- ↳ How do microplastic pollutants affect the feeding habits of marine organisms in coastal regions?
- ↳ What are the potential long-term consequences of microplastic pollution on the genetic diversity of marine species in coastal areas?
- ↳ How do microplastic pollutants impact the reproductive success of marine organisms in coastal ecosystems?

Ask a follow-up question

Pose your own questions with Conversational follow up



Explore topics and discover relevant references since 2003

What would you like to learn more about?

Conversation examples

- How does gender influence preferred coping strategies for workplace stress?
- How does gender influence the way

Review conversational history

Scopus AI now **automatically saves past conversations** so you can revisit key insights at any time. This enables you to resume a query where you left off and provides a useful overview of your previous topic explorations. **Temporary conversation mode** is available for users who prefer their chats not be saved. Users can **rename** conversations for easier identification and **delete** ones that are no longer needed.

Enter follow-up questions and refine your thinking to:

- Refocus your query to explore new perspectives without starting over
- Zoom in on specific areas of interest to improve clarity and precision in your understanding

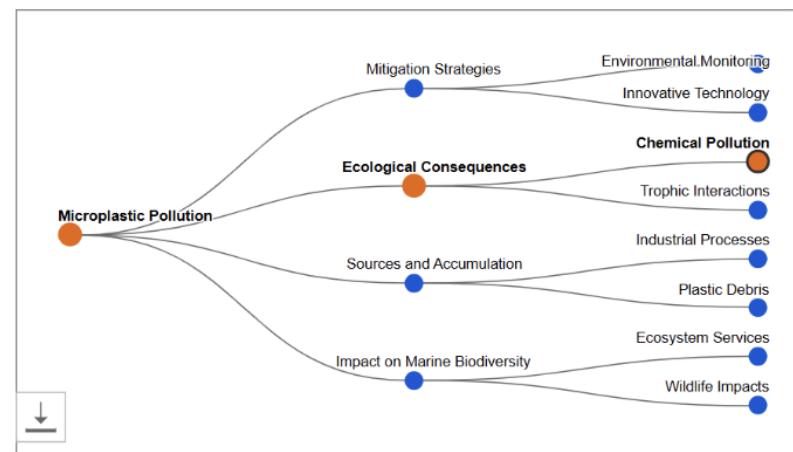
[Ask a follow-up question](#)



See the big picture

The **Concept map** is designed to help you get a bird's-eye view of the topic space and a more complete picture of your theme and its relationship to other research areas.

Clicking on a node will highlight how the node relates to the topic, and an explanation of the relationship will be provided beneath the Concept map.



Discover influential papers

The list of **Foundational documents** illustrates which papers heavily influenced the documents that Scopus AI used to write its response, specifically the Summary.

Scopus AI

Recent conversations

How does gender in... [...](#)

How can worklife b... [...](#)

How does gender in... [...](#)

How can be improve... [...](#)

How can worklife b... [...](#)

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Find out more

[Visit our infosite](#) or [Scopus blog](#) to learn more

On-demand webinars

- [Your most asked GenAI & Scopus AI questions answered](#) Our expert panel addresses the most common questions asked by the research community
- [How curated, enriched & connected data enhance research insights](#) Explore how Scopus data is used to inform Scopus AI, including topics such as content selection & integrity, quality & accuracy assurance, and bias minimization
- [Navigating essential practices in responsible Gen AI](#) Learn how we addressed ethical implications, quality control and fairness during the development of Scopus AI
- [An in-depth exploration of Scopus AI](#) Discover how researchers can effectively use Scopus AI throughout the research journey
- [How GenAI can support the research workflow and identify emerging trends](#)

Foundational documents

5,838 citations

Microplastics in the marine environment

A.L., Andrady, Anthony L.

3,970 citations

Microplastics in the marine environment: A review of the methods used for identification and quantification

V., Hidalgo-Ruz, Valeria, L., Gutow, Lars,
R.C., Thompson, Richard C., M., Thiel, Martin

Environmental Science and Technology ↗ 2012

[Show more documents](#)