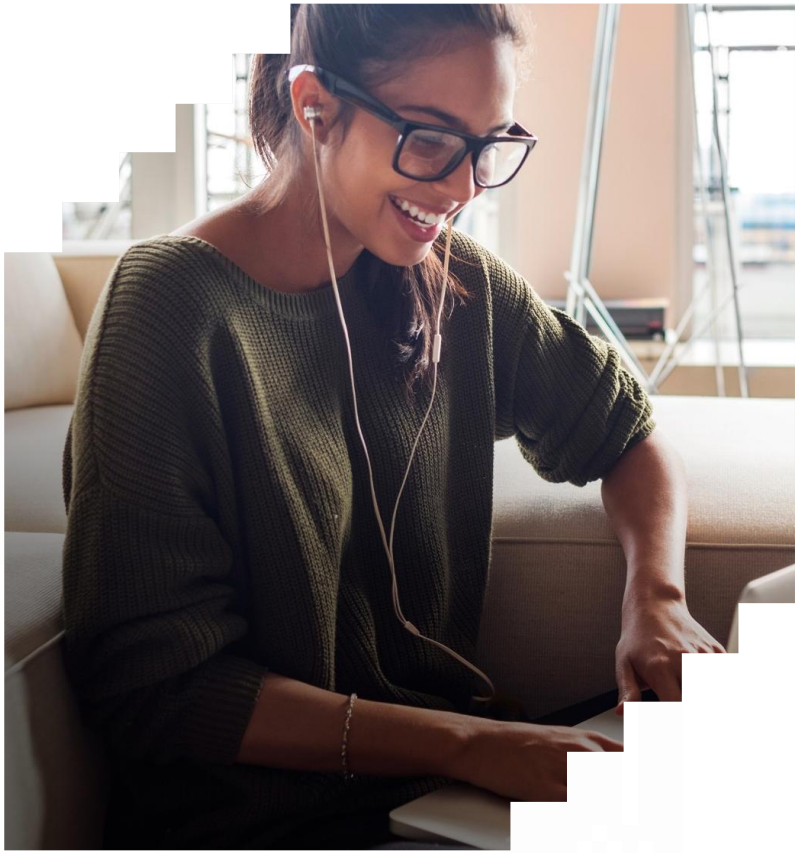


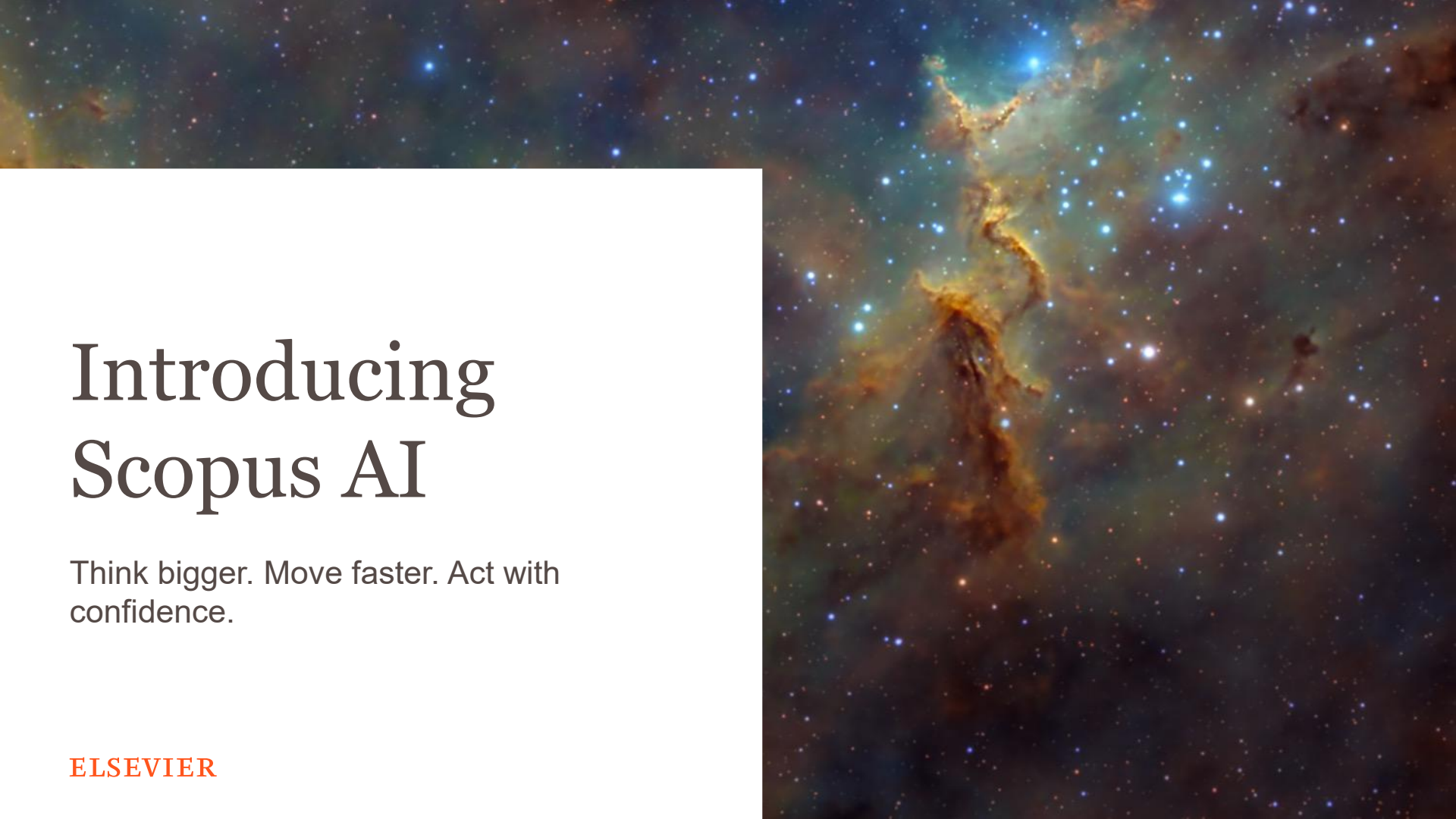
Scopus AI

Think bigger. Move faster. Act with confidence.

January 2026

Alison Ferrett
Customer Success Manager

ELSEVIER



Introducing Scopus AI

Think bigger. Move faster. Act with confidence.

ELSEVIER

There are many challenges in research today

60% of Scopus users told us they wanted a way to learn about new topics more effectively

Early career researchers and academics

Complex research landscape	Limited search tools	Disciplinary silos
Information overload	Inefficient search	Limited collaboration

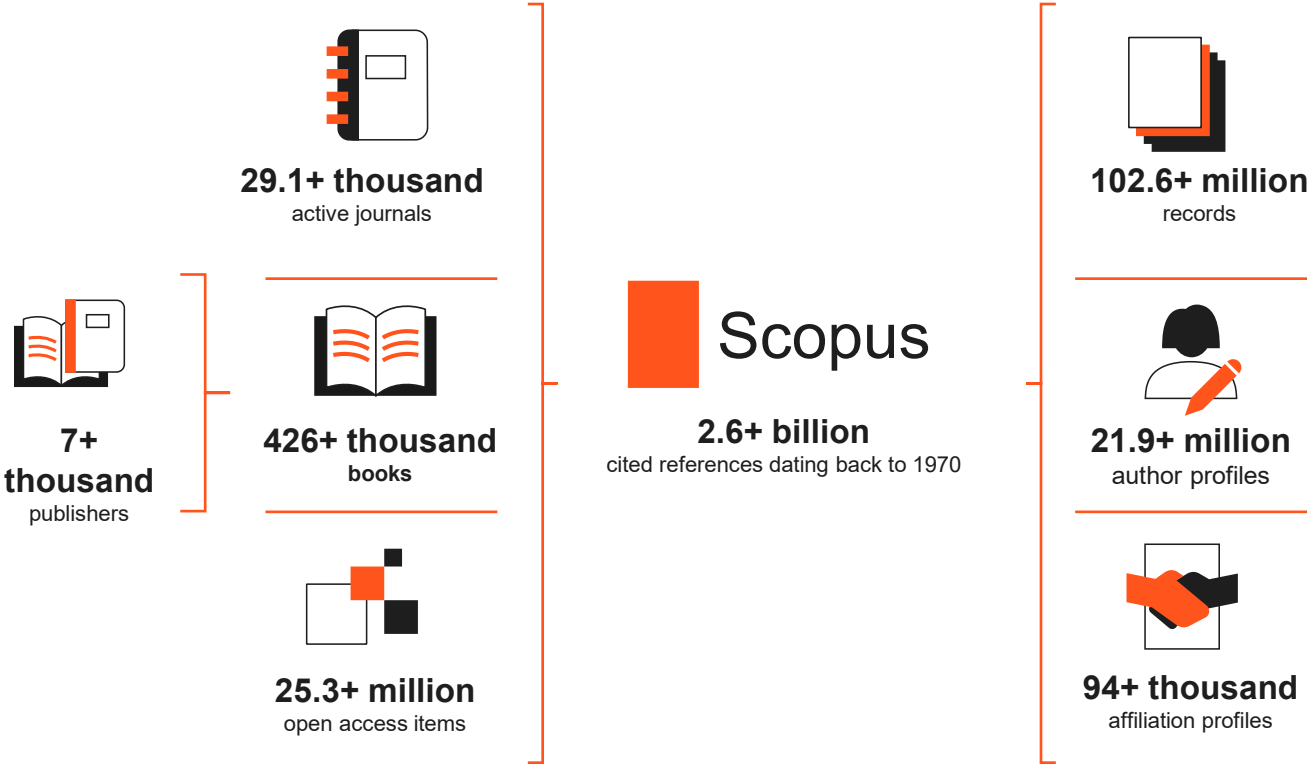
Suboptimal productivity and collaboration / missed opportunities
=
Lower academic and societal impact

Scopus AI - *better information*, not just more information

Scopus AI is an intuitive and intelligent research solution that draws exclusively on the curated content in Scopus.

It combines that trusted content with sophisticated AI technologies to **help researchers think bigger, move faster and act with confidence.**

Scopus AI is *purpose built* to work with the trusted content in Scopus



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Numbers shown are rounded and current as July 2025. Scopus is updated daily

What is included in a Scopus AI response?

Summary

A high-level, fully referenced Summary that includes guidance on the tool's confidence in the response

Expanded summary

An extended summary that uses RAG Fusion to explore queries from multiple perspectives

Go deeper questions

A series of prompts designed to help you continue exploring and learning

Concept map

A clickable visual that uses keywords to provide a bird's-eye view of the topic space

Foundational documents

A list of influential articles that inspired the articles cited in the summaries

Topic experts

The top researchers in your chosen field (based on their volume of related publications)

NEW

Deep Research report

A multi-page analysis with insights and ideas to help you move forward – ideal for complex or open questions

NEW

Conversational Follow-Up

A free text field that enables you to enter follow-up questions and keep digging deeper

NEW

Conversational history

An automated list of all your previous queries so you can resume an existing search at any time

Launched Oct '24

Emerging themes

A topic overview that helps you identify the research themes in your field of interest – including potential areas of opportunity

Scopus AI's features and functionalities

How they work together to deliver on the promise of AI

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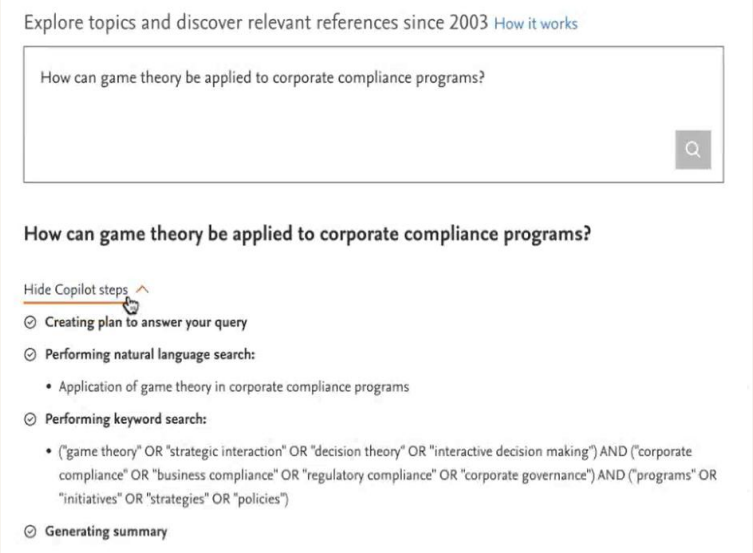
Simplify research with natural language queries

Copilot is fully transparent – you can follow each step it takes in real time

Natural language search is supported by our powerful **Copilot search tool**

Combines ***both*** **vector and keyword** search and builds complex Boolean queries for you

Breaks down and **optimizes queries** to improve the specificity of your results



Your search your way

Type in your query in the **language of your choice.**

Looking for more granularity? You can now instruct Scopus AI to **filter your search** by:

- Country
- Time range
- Document type
- Citation count

Add search paramaters when you type in your query; e.g.

“Limit to review papers from European institutions”

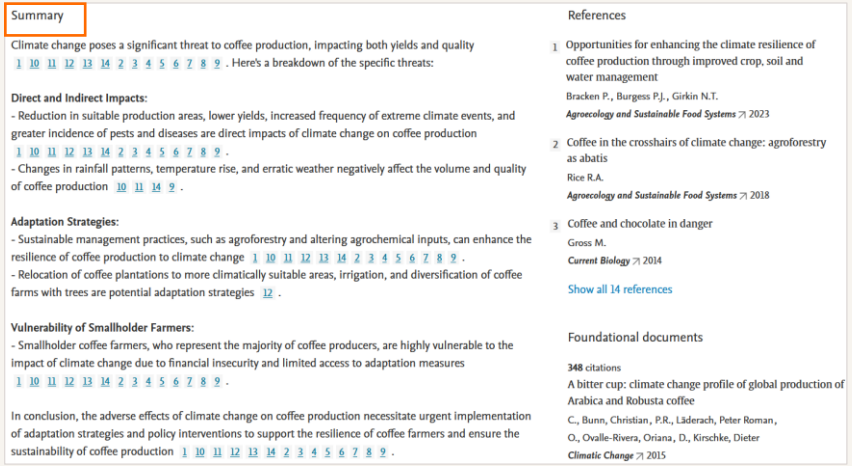
“Focus on studies from 2020-2024 with 50+ citations”

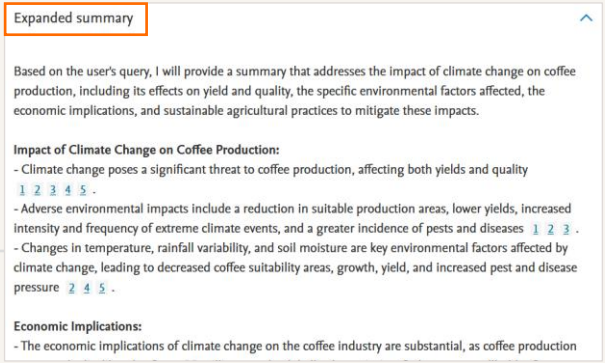
“Include only conference papers”

Choose from two Summaries with *Scopus references*

The **easy-to-digest Summary** provides a concise response to your initial query

The **Expanded summary** uses our proprietary technology to offer more depth and perspectives



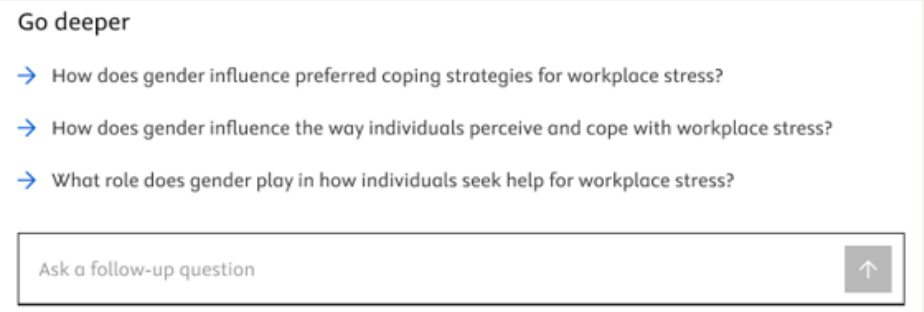


* Interface and functionality subject to change

Continue *digging and exploring*

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

And we've introduced **Conversational follow-up** so it's easy to ask your own questions—great for checking on a detail, refining thinking or refocusing your query.



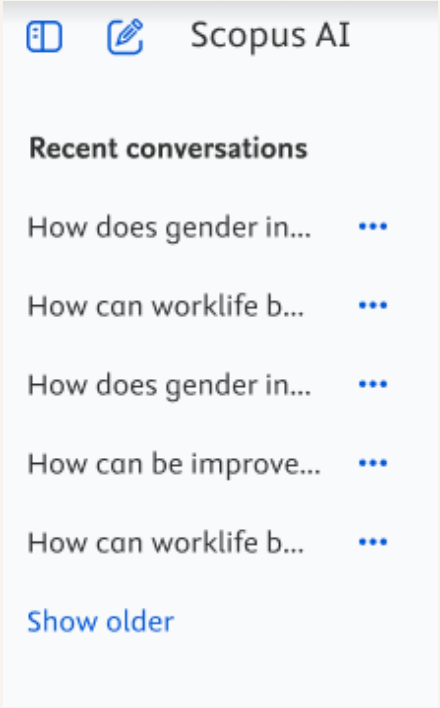
* Interface and functionality subject to change

Never lose track with Conversational history

Automatically saves past conversations to an encrypted and secure server so you can revisit key insights at any time

Enables you to **resume a query** at the point you left it

Provides a useful **overview of your previous topic explorations**



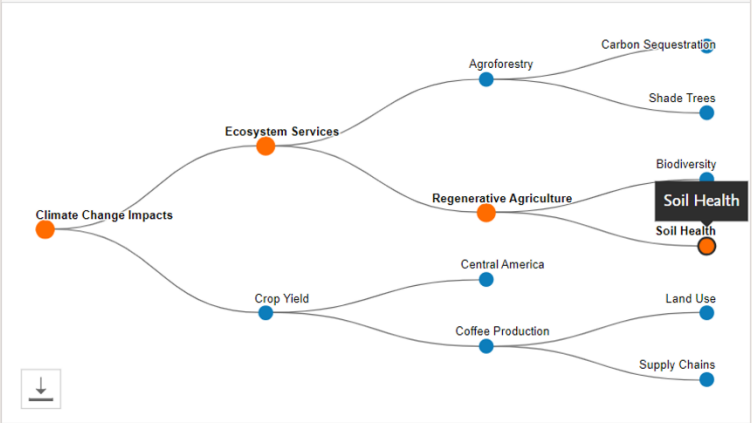
Don’t want to save your searches? No problem – just select our **Temporary conversation mode**

See the *bigger picture* with the Concept map

A helpful visual perspective of the **connections in your field**

Gain a **bird's-eye view** of the topic space and its relationship to other research areas

Click on a node to discover **how it relates** to your chosen topic



Climate Change Impacts → Ecosystem Services → Regenerative Agriculture → Soil Health

The impact of climate change on soil health and its implications for regenerative agriculture and ecosystem services are well-documented in the literature.

Climate Change and Soil Health:
- Climate change affects soil health through factors such as weather variability, land use practices, and anthropogenic activities [1].
- It can lead to soil desertification, erosion, and degradation, impacting soil biological, chemical, and physical functions [2].
- The review emphasizes the intertwined relationship between climate change and soil health, highlighting the need for multidisciplinary approaches to improve crop production and achieve sustainable development goals [1].

* Interface and functionality subject to change

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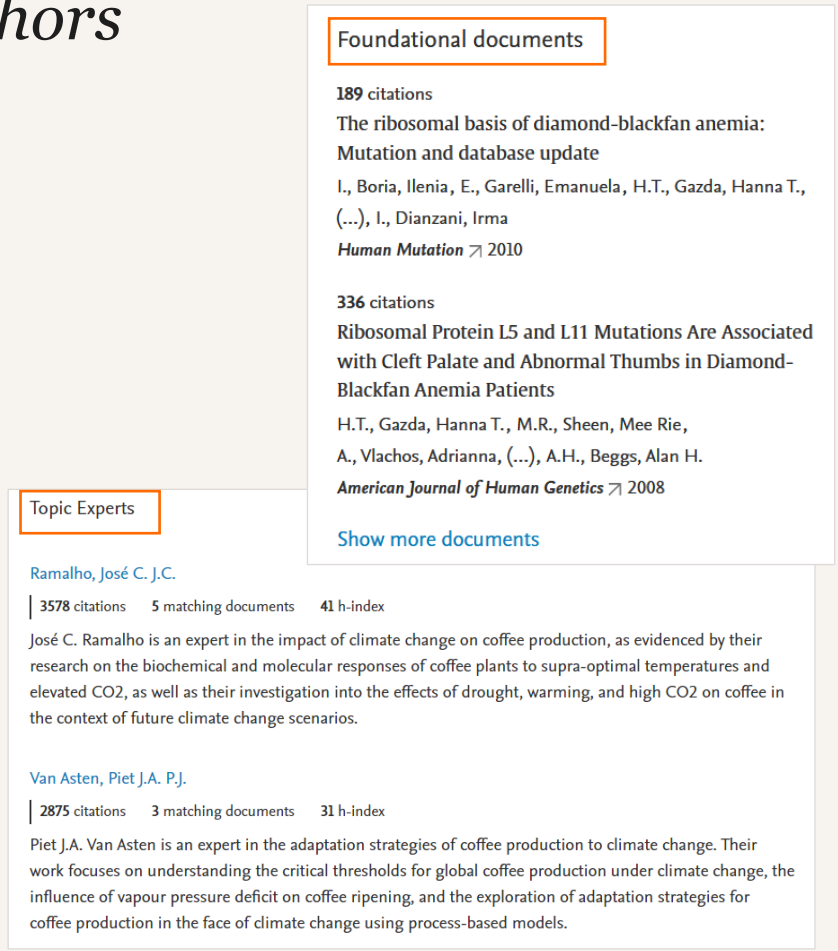
Discover *seminal works and authors*

Foundational documents shows you the papers most commonly cited by the abstracts used to write your summaries.

And Scopus AI draws on the rich Author Profiles in Scopus to highlight **Topic experts**—the most active authors in your chosen field.



* Interface and functionality subject to change

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Deep Research is an agentic AI tool that aims to *simulate aspects of human thinking*.

Deep Research independently breaks down queries and mines the peer-reviewed content in Scopus for the answers, **interpreting responses and adapting its approach, as required**

Findings – along with the insights drawn from them – are presented in a **nuanced, referenced report**

See our **Deep Research user guide**

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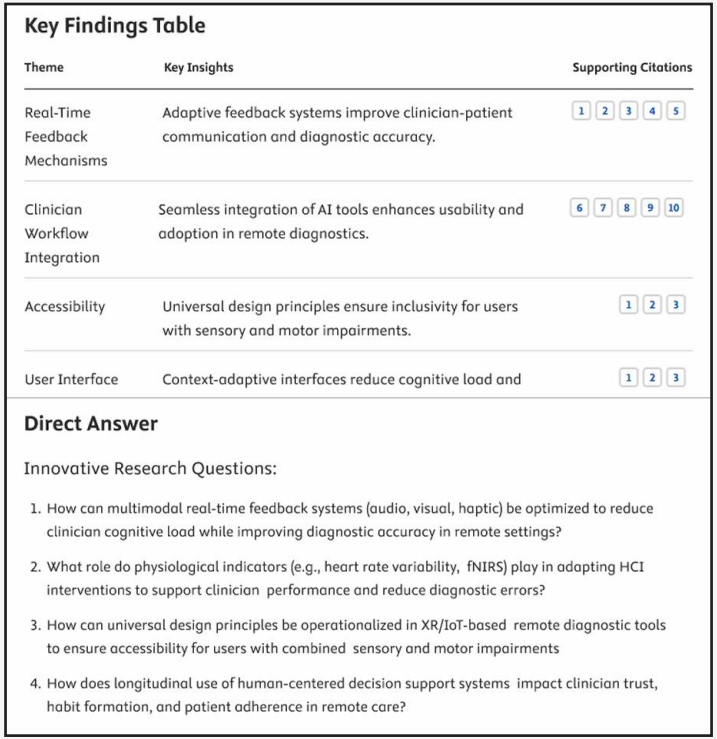
The anatomy of a Deep Research report

Referenced overview of key findings

Direct answer to query



Key Findings Table

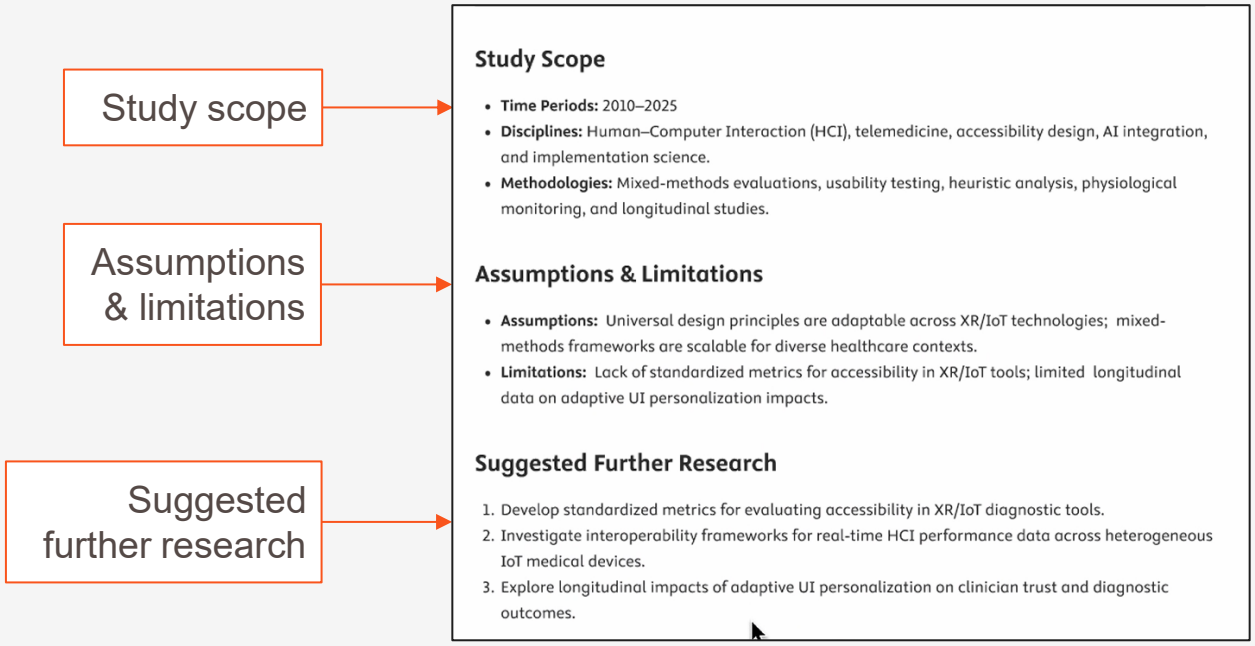
Theme	Key Insights	Supporting Citations
Real-Time Feedback Mechanisms	Adaptive feedback systems improve clinician-patient communication and diagnostic accuracy.	1 2 3 4 5
Clinician Workflow Integration	Seamless integration of AI tools enhances usability and adoption in remote diagnostics.	6 7 8 9 10
Accessibility	Universal design principles ensure inclusivity for users with sensory and motor impairments.	1 2 3
User Interface	Context-adaptive interfaces reduce cognitive load and	1 2 3

Direct Answer

Innovative Research Questions:

1. How can multimodal real-time feedback systems (audio, visual, haptic) be optimized to reduce clinician cognitive load while improving diagnostic accuracy in remote settings?
2. What role do physiological indicators (e.g., heart rate variability, fNIRS) play in adapting HCI interventions to support clinician performance and reduce diagnostic errors?
3. How can universal design principles be operationalized in XR/IoT-based remote diagnostic tools to ensure accessibility for users with combined sensory and motor impairments
4. How does longitudinal use of human-centered decision support systems impact clinician trust, habit formation, and patient adherence in remote care?

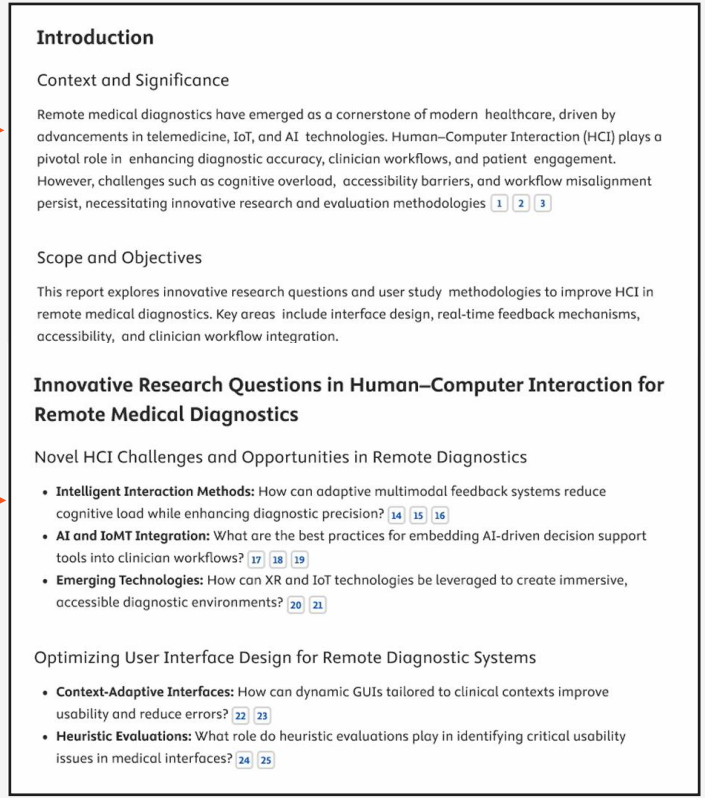
The anatomy of a Deep Research report



The anatomy of a Deep Research report

Main body

Synthesis paragraph



Introduction

Context and Significance

Remote medical diagnostics have emerged as a cornerstone of modern healthcare, driven by advancements in telemedicine, IoT, and AI technologies. Human–Computer Interaction (HCI) plays a pivotal role in enhancing diagnostic accuracy, clinician workflows, and patient engagement. However, challenges such as cognitive overload, accessibility barriers, and workflow misalignment persist, necessitating innovative research and evaluation methodologies [1] [2] [3]

Scope and Objectives

This report explores innovative research questions and user study methodologies to improve HCI in remote medical diagnostics. Key areas include interface design, real-time feedback mechanisms, accessibility, and clinician workflow integration.

Innovative Research Questions in Human–Computer Interaction for Remote Medical Diagnostics

Novel HCI Challenges and Opportunities in Remote Diagnostics

- **Intelligent Interaction Methods:** How can adaptive multimodal feedback systems reduce cognitive load while enhancing diagnostic precision? [14] [15] [16]
- **AI and IoMT Integration:** What are the best practices for embedding AI-driven decision support tools into clinician workflows? [17] [18] [19]
- **Emerging Technologies:** How can XR and IoT technologies be leveraged to create immersive, accessible diagnostic environments? [20] [21]

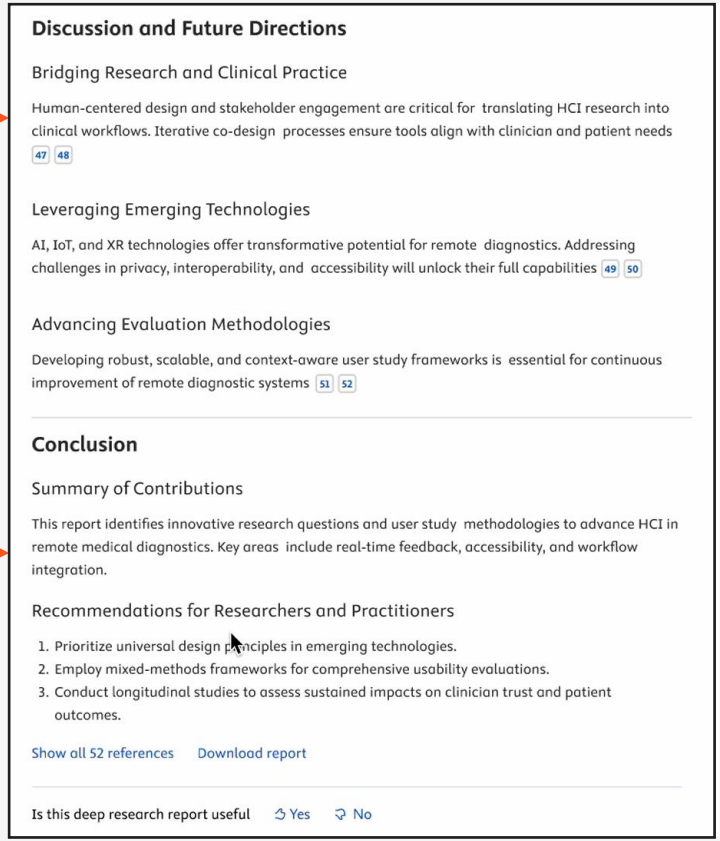
Optimizing User Interface Design for Remote Diagnostic Systems

- **Context-Adaptive Interfaces:** How can dynamic GUIs tailored to clinical contexts improve usability and reduce errors? [22] [23]
- **Heuristic Evaluations:** What role do heuristic evaluations play in identifying critical usability issues in medical interfaces? [24] [25]

The anatomy of a Deep Research report

Discussion and future research directions

Conclusion and recommendations



Discussion and Future Directions

Bridging Research and Clinical Practice

Human-centered design and stakeholder engagement are critical for translating HCI research into clinical workflows. Iterative co-design processes ensure tools align with clinician and patient needs [47] [48]

Leveraging Emerging Technologies

AI, IoT, and XR technologies offer transformative potential for remote diagnostics. Addressing challenges in privacy, interoperability, and accessibility will unlock their full capabilities [49] [50]

Advancing Evaluation Methodologies

Developing robust, scalable, and context-aware user study frameworks is essential for continuous improvement of remote diagnostic systems [51] [52]

Conclusion

Summary of Contributions

This report identifies innovative research questions and user study methodologies to advance HCI in remote medical diagnostics. Key areas include real-time feedback, accessibility, and workflow integration.

Recommendations for Researchers and Practitioners

1. Prioritize universal design principles in emerging technologies.
2. Employ mixed-methods frameworks for comprehensive usability evaluations.
3. Conduct longitudinal studies to assess sustained impacts on clinician trust and patient outcomes.

Show all 52 references Download report

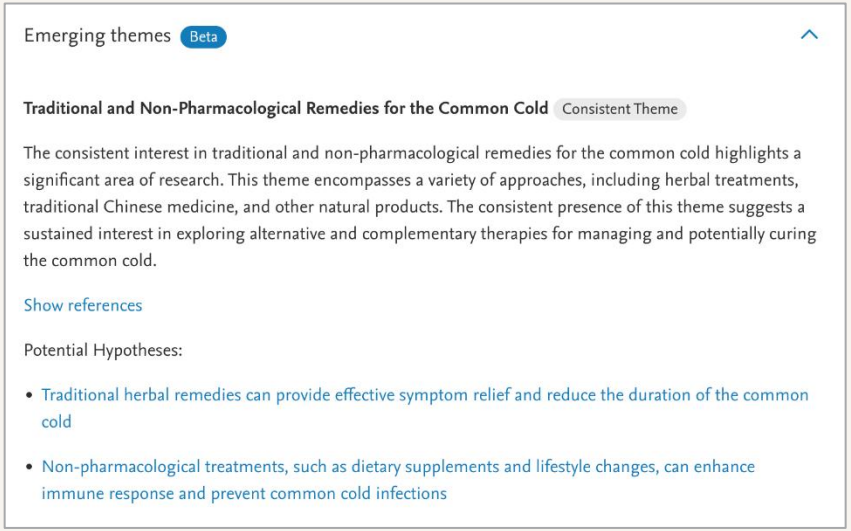
Is this deep research report useful Yes No

Find the *'Goldilocks zone'* with Emerging themes

Instantly grasp the landscape of any research field

Discover **unexpected connections** between topics

Spot rising and novel themes before they become mainstream

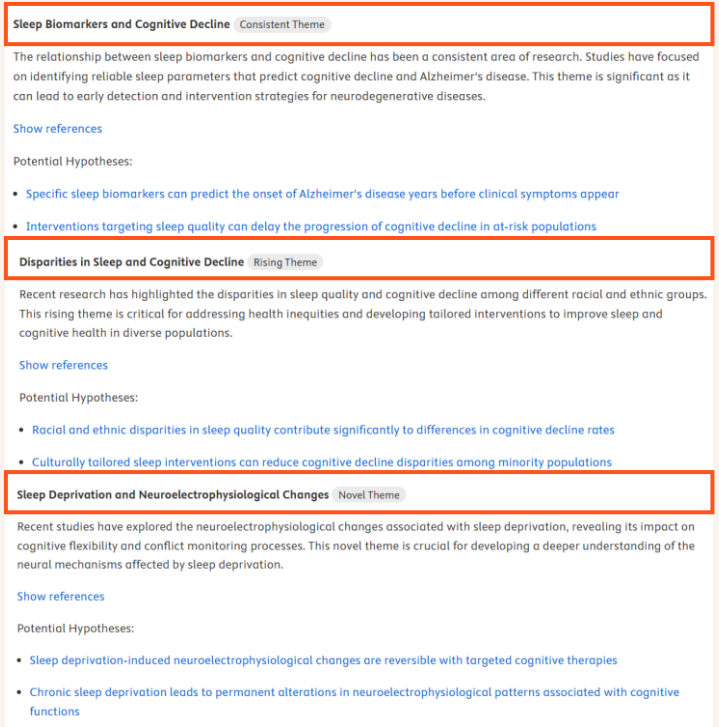


Identify the whitespace that can push your field forward

Consistent theme: Similar level of coverage over the two 12-month periods.

Rising theme: While coverage is similar, the area appears to be growing.

Novel theme: Coverage is relatively low, i.e., this is a new theme, or it is underserved by the current literature.



Scopus AI's responsible AI approach

How we minimize the risks of AI

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Scopus AI *champions responsible AI*

In 2022, we published 5 Responsible AI Principles that complement our existing AI policies and processes.

These principles have shaped every stage of Scopus AI's development and they continue to guide the tool's evolution.

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*.

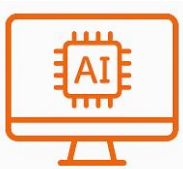
https://www.elsevier.com/about/policies-and-standards/responsible-ai-principles

Scopus AI: Responsible AI in action

1 Vector search

Prioritizes content quality over institution prestige using semantic meaning

120M+ vectorized abstracts



2 RefChecker

Verifies every claim against source documents for accuracy

98% entailment rate

3 Transparent Copilot

Shows exactly how queries are processed with both vector and Boolean search

Dual search technology

Scopus AI

Trusted content
100+ million records

Responsible AI
Built into every layer

4 Confidence system

Three-tier reflection layer shows confidence in responses

89% user trust rate

5 Bias and hallucination mitigation

Rigorously tested using a mix of industry and proprietary evaluation frameworks.

96% ethics pass rate

6 Privacy protection

Microsoft partnership ensures no queries are stored or used for LLM training

Contractual safeguards

How does Scopus AI work?

Our 3-step process

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Scopus AI generates results *within seconds*

Step 1:
You type in your query

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

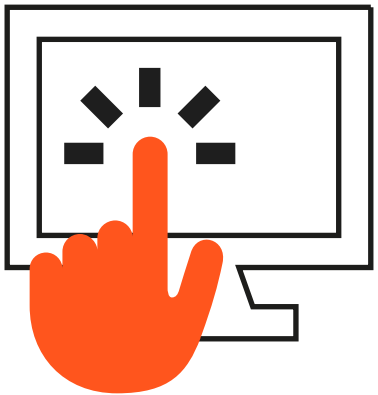
Step 3:
Our large language model (LLM) generates your results

These steps describe how the Summary is generated. Explore these **3 steps** in greater detail on the following slides, along with a detailed workflow diagram.

Step 1: Type in your query

With no search string requirements, you can search based on the information you have to hand.

Scopus AI is equally happy with short or long questions.



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

Depending on the complexity of your query, Copilot uses vector search, keyword search – or both.

For the **vector component**, a small language model converts your word-based query into numbers. It then matches those numerical values to numbers assigned to the abstracts of documents in the Scopus database published since 2003.

For the **keyword component,** Copilot builds a search string using relevant Boolean operators and runs it against the Scopus database.

Step 3: Scopus AI generates your summary

The results of the Copilot search are fed into our large language model (LLM), along with your original query, and our engineered prompt.

The LLM is tasked with taking the information that has been shared with it and synthesizing it to create the summaries.

Prompt engineering provides the LLM with clear rules it must follow while generating the response.

Results are regularly checked for quality and safety using sophisticated frameworks.

Key takeaways

1 Trusted content

Built on Scopus' extensive peer-reviewed database with 98+ million records

2 Responsible AI

Developed following Elsevier's five ethical principles for AI implementation

3 Time savings

70% of users save >30% of their literature review time, freeing hours for higher-value work

4 Strategic insights

Uncover connections across research fields and identify emerging research themes

5 Seamless integration

Works within existing research workflows to enhance productivity

"89% of users trust Scopus AI to provide accurate and reliable results"

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Thank you

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