

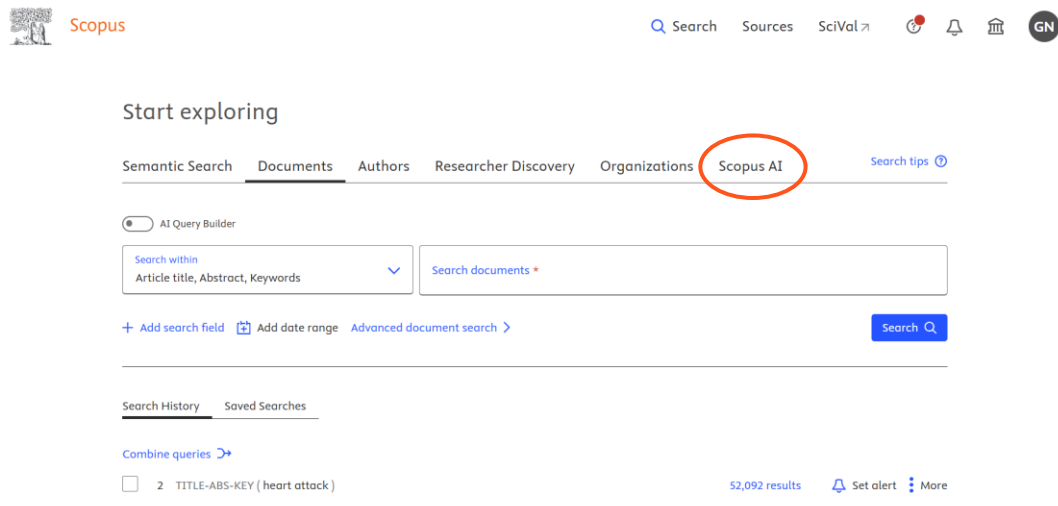
National Scopus with AI trial

ELSEVIER



Key dates

- From September 14th to October 11th
- Access is provided to all institutions that currently have access to Scopus through CVTI
- Available within the Scopus platform



What is Scopus with AI?

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The *challenge* today

Research workflows are changing, and inefficiency has a real cost.

Research pain points

Information overload

Increasing volume and complexity of research makes manual synthesis unsustainable.

Disciplinary silos

Limited collaboration tools mean missed opportunities across fields.

Inefficient search

Delays in early-stage research decisions slow innovation.

Complex landscape

Early career researchers struggle with productivity and depth.

The result

60% of Scopus users wanted a better way to learn about new topics effectively

Information
overload

Inefficient
search

Missed
opportunities

Even with the best data → insights take too long

Source: Internal user experience study of Scopus customers.

Why general-purpose AI tools may not meet research needs

Not all AI is built for research.

22%

**trust the AI tools used
for research**

Lack of transparency
means researchers
can't rely on results for
critical decisions.

IP Risk

**data privacy
concerns**

Queries to open AI tools
may expose sensitive
research and
institutional IP.

Shallow

**domain-specific depth
missing**

Open-source AI lacks
the academic rigor and
peer-reviewed depth
researchers need.

No source

**unverifiable
references**

Without cited sources,
AI outputs can't be
trusted for publishing or
grant applications.

Untrusted AI = high-risk for research decisions

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

Scopus with 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.**

107M+

scholarly records

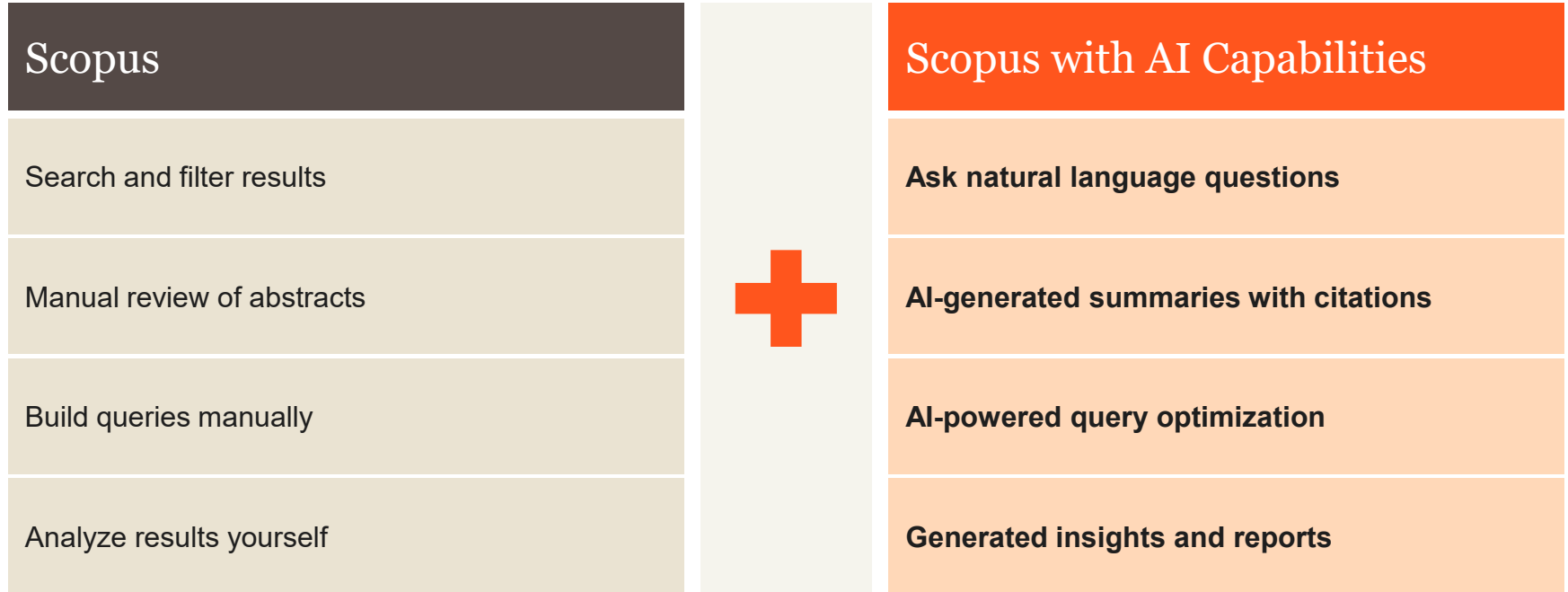
29K+

peer-reviewed
journals

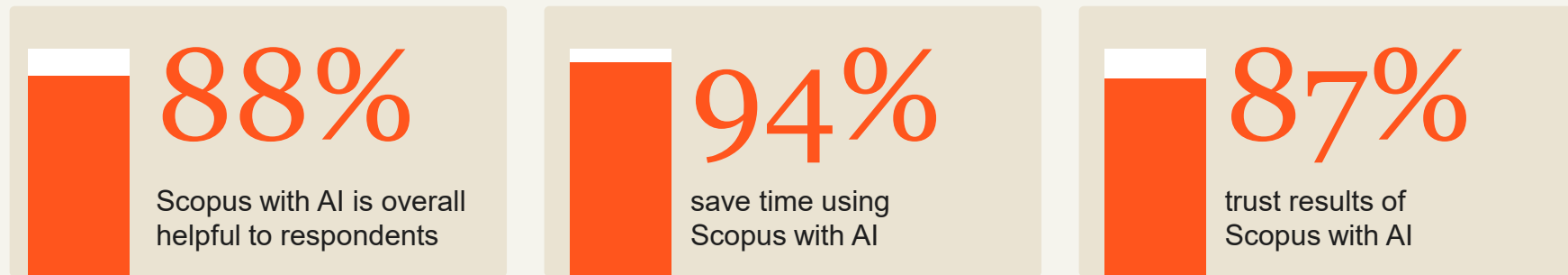
7K+

global publishers

How AI capabilities *enhance* your Scopus workflows



Scopus with AI users report



Respondents found:

- Speed of finding relevant, peer-reviewed references without reading articles one by one; the reliability of Scopus-indexed sources; summary quality and citation transparency.
- Knowing results come from Scopus's indexed database of reputable journals was the most common reason users trusted the output.

Source: 2026 Customer survey of Scopus with AI users; 520 responses.

How does it work?

ELSEVIER

What is included in a Scopus with AI response?



Summary

A high-level, fully referenced response to your query



Expanded summary

An extended version of the response to your query



Go deeper questions

A series of suggested queries to help you continue exploring



Concept map

A visual map that provides a bird's-eye view of the topic space



Foundational documents

A list of influential articles in your chosen field



Topic experts

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



Deep Research report

A more detailed analysis for complex or open questions



Conversational Follow-Up

A free text field that enables you to enter follow-up questions



Conversational history

A list of all your previous conversations to resume search



Emerging themes

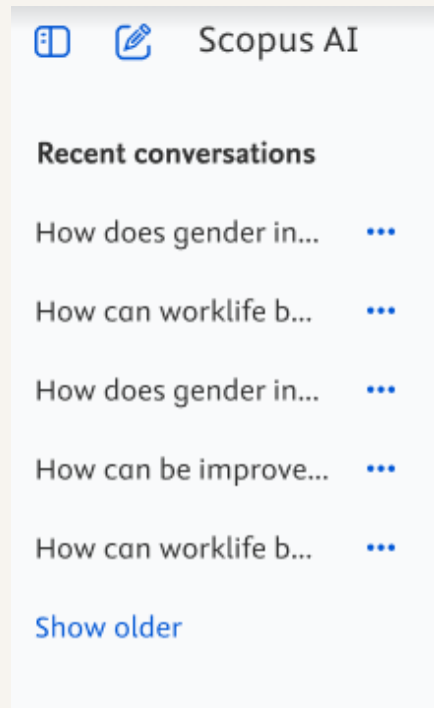
An overview that helps you find potential areas of opportunity

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.

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



Your search, your way

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

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

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

- Country
- Time range
- Document type
- Citation count

(e.g. “Focus on studies from 2020-2024 with 50+ citations”)

Explore topics and discover relevant references since 2003 [How it works](#)

How can game theory be applied to corporate compliance programs?



How can game theory be applied to corporate compliance programs?

Hide Copilot steps ^

☑ Creating plan to answer your query

☑ Performing natural language search:

- Application of game theory in corporate compliance programs

☑ Performing keyword search:

- ("game theory" OR "strategic interaction" OR "decision theory" OR "interactive decision making") AND ("corporate compliance" OR "business compliance" OR "regulatory compliance" OR "corporate governance") AND ("programs" OR "initiatives" OR "strategies" OR "policies")

☑ Generating summary

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

Summary

Climate change poses a significant threat to coffee production, impacting both yields and quality [1](#) [10](#) [11](#) [12](#) [13](#) [14](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) . Here's a breakdown of the specific threats:

Direct and Indirect Impacts:

- Reduction in suitable production areas, lower yields, increased frequency of extreme climate events, and greater incidence of pests and diseases are direct impacts of climate change on coffee production [1](#) [10](#) [11](#) [12](#) [13](#) [14](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) .
- Changes in rainfall patterns, temperature rise, and erratic weather negatively affect the volume and quality of coffee production [10](#) [11](#) [14](#) [9](#) .

Adaptation Strategies:

- Sustainable management practices, such as agroforestry and altering agrochemical inputs, can enhance the resilience of coffee production to climate change [1](#) [10](#) [11](#) [12](#) [13](#) [14](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) .
- Relocation of coffee plantations to more climatically suitable areas, irrigation, and diversification of coffee farms with trees are potential adaptation strategies [12](#) .

Vulnerability of Smallholder Farmers:

- Smallholder coffee farmers, who represent the majority of coffee producers, are highly vulnerable to the impact of climate change due to financial insecurity and limited access to adaptation measures [1](#) [10](#) [11](#) [12](#) [13](#) [14](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) .

In conclusion, the adverse effects of climate change on coffee production necessitate urgent implementation of adaptation strategies and policy interventions to support the resilience of coffee farmers and ensure the sustainability of coffee production [1](#) [10](#) [11](#) [12](#) [13](#) [14](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) .

References

- 1 Opportunities for enhancing the climate resilience of coffee production through improved crop, soil and water management
Bracken P., Burgess P.J., Girkin N.T.
Agroecology and Sustainable Food Systems 2023
- 2 Coffee in the crosshairs of climate change: agroforestry as abatis
Rice R.A.
Agroecology and Sustainable Food Systems 2018
- 3 Coffee and chocolate in danger
Gross M.
Current Biology 2014

[Show all 14 references](#)

Foundational documents

348 citations
A bitter cup: climate change profile of global production of Arabica and Robusta coffee
C., Burn, Christian, P.R., Läderach, Peter Roman, O., Ovalle-Rivera, Oriana, D., Kirschke, Dieter
Climatic Change 2015

Expanded summary

Based on the user's query, I will provide a summary that addresses the impact of climate change on coffee production, including its effects on yield and quality, the specific environmental factors affected, the economic implications, and sustainable agricultural practices to mitigate these impacts.

Impact of Climate Change on Coffee Production:

- Climate change poses a significant threat to coffee production, affecting both yields and quality [1](#) [2](#) [3](#) [4](#) [5](#) .
- Adverse environmental impacts include a reduction in suitable production areas, lower yields, increased intensity and frequency of extreme climate events, and a greater incidence of pests and diseases [1](#) [2](#) [3](#) .
- Changes in temperature, rainfall variability, and soil moisture are key environmental factors affected by climate change, leading to decreased coffee suitability areas, growth, yield, and increased pest and disease pressure [2](#) [4](#) [5](#) .

Economic Implications:

- The economic implications of climate change on the coffee industry are substantial, as coffee production

Continue *digging and exploring*

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

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

Go deeper

- How does gender influence preferred coping strategies for workplace stress?
- How does gender influence the way individuals perceive and cope with workplace stress?
- What role does gender play in how individuals seek help for workplace stress?

Ask a follow-up question



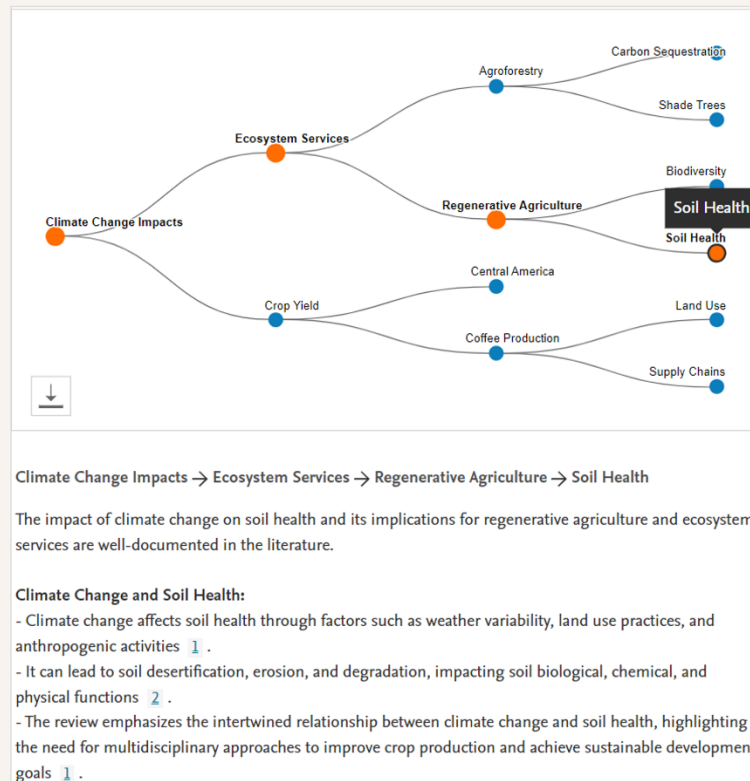
* Interface and functionality subject to change

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.



* Interface and functionality subject to change

Discover *seminal works and authors*

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

Drawing from the rich Author Profiles in Scopus, Scopus with AI highlights **Topic experts** - the most active authors in your chosen field.

* Interface and functionality subject to change

ELSEVIER

Foundational documents

189 citations

The ribosomal basis of diamond-blackfan anemia:
Mutation and database update

I., Boria, Ilenia, E., Garelli, Emanuela, H.T., Gazda, Hanna T.,
(...), I., Dianzani, Irma

Human Mutation ↗ 2010

336 citations

Ribosomal Protein L5 and L11 Mutations Are Associated
with Cleft Palate and Abnormal Thumbs in Diamond-
Blackfan Anemia Patients

H.T., Gazda, Hanna T., M.R., Sheen, Mee Rie,
A., Vlachos, Adrianna, (...), A.H., Beggs, Alan H.

American Journal of Human Genetics ↗ 2008

[Show more documents](#)

Topic Experts

[Ramalho, José C. J.C.](#)

3578 citations | 5 matching documents | 41 h-index

José C. Ramalho is an expert in the impact of climate change on coffee production, as evidenced by their research on the biochemical and molecular responses of coffee plants to supra-optimal temperatures and elevated CO₂, as well as their investigation into the effects of drought, warming, and high CO₂ on coffee in the context of future climate change scenarios.

[Van Asten, Piet J.A. P.J.](#)

2875 citations | 3 matching documents | 31 h-index

Piet J.A. Van Asten is an expert in the adaptation strategies of coffee production to climate change. Their work focuses on understanding the critical thresholds for global coffee production under climate change, the influence of vapour pressure deficit on coffee ripening, and the exploration of adaptation strategies for coffee production in the face of climate change using process-based models.

Identify the whitespace that can push your field forward

Emerging themes identifies established, rising and novel themes based on your query, enabling you to explore the “white space” you can target for publications, collaborations, funding opportunities.

- **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; may be a new theme or underserved by the current literature.

Emerging themes 

Sleep Biomarkers and Cognitive Decline Consistent Theme

The relationship between sleep biomarkers and cognitive decline has been a consistent area of research. Studies have focused on identifying reliable sleep parameters that predict cognitive decline and Alzheimer's disease. This theme is significant as it can lead to early detection and intervention strategies for neurodegenerative diseases.

[Show references](#)

Potential Hypotheses:

- Specific sleep biomarkers can predict the onset of Alzheimer's disease years before clinical symptoms appear
- Interventions targeting sleep quality can delay the progression of cognitive decline in at-risk populations

Disparities in Sleep and Cognitive Decline Rising Theme

Recent research has highlighted the disparities in sleep quality and cognitive decline among different racial and ethnic groups. This rising theme is critical for addressing health inequities and developing tailored interventions to improve sleep and cognitive health in diverse populations.

[Show references](#)

Potential Hypotheses:

- Racial and ethnic disparities in sleep quality contribute significantly to differences in cognitive decline rates
- Culturally tailored sleep interventions can reduce cognitive decline disparities among minority populations

Sleep Deprivation and Neuroelectrophysiological Changes Novel Theme

Recent studies have explored the neuroelectrophysiological changes associated with sleep deprivation, revealing its impact on cognitive flexibility and conflict monitoring processes. This novel theme is crucial for developing a deeper understanding of the neural mechanisms affected by sleep deprivation.

[Show references](#)

Potential Hypotheses:

- Sleep deprivation-induced neuroelectrophysiological changes are reversible with targeted cognitive therapies
- Chronic sleep deprivation leads to permanent alterations in neuroelectrophysiological patterns associated with cognitive functions

Looking for more and deeper insights? Try Deep Research

Just click on the Deep Research option in your Scopus with AI response.

Powered by a **reasoning engine**, it offers many of the same benefits as Copilot - but it can adapt to new information as it searches, changing course to seek the best response to your query.

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



See our [Deep Research user guide](#)

The anatomy of a Deep Research report

Overview of
key findings
with references

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?		

Direct answer
to query

Study scope

Assumptions
& limitations

Suggested
further
research

Study Scope

- **Time Periods:** 2010–2025
- **Disciplines:** Human–Computer Interaction (HCI), telemedicine, accessibility design, AI integration, and implementation science.
- **Methodologies:** Mixed-methods evaluations, usability testing, heuristic analysis, physiological monitoring, and longitudinal studies.

Assumptions & Limitations

- **Assumptions:** Universal design principles are adaptable across XR/IoT technologies; mixed-methods frameworks are scalable for diverse healthcare contexts.
- **Limitations:** Lack of standardized metrics for accessibility in XR/IoT tools; limited longitudinal data on adaptive UI personalization impacts.

Suggested Further Research

1. Develop standardized metrics for evaluating accessibility in XR/IoT diagnostic tools.
2. Investigate interoperability frameworks for real-time HCI performance data across heterogeneous IoT medical devices.
3. Explore longitudinal impacts of adaptive UI personalization on clinician trust and diagnostic outcomes.

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](#)

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

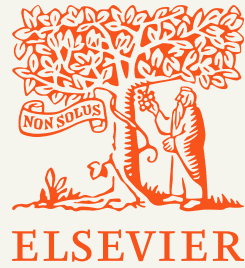
This report identifies innovative research questions and user study methodologies to advance HCI in remote medical diagnostics. Key areas include real-time feedback, accessibility, and workflow integration.

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](#)



Advancing human progress together

APPENDIX

Security and responsible AI

Protect your IP and sensitive research with privacy-by-design architecture

1

Private AI Model

No data shared with third-party LLMs

2

Secure User Sessions

Session isolation and encryption

3

Privacy-by-Design

Architecture built for data protection

4

Responsible AI Principles

Governed by Elsevier's ethics framework

5

IP Protection

Microsoft partnership: no query storage

Responsible AI in action

1 Vector Search

Prioritizes content quality using semantic meaning

120M+ vectorised abstracts

2 RefChecker

Verifies every claim against source documents

98% entailment rate

3 Transparent Copilot

Shows exactly how queries are processed

Dual search technology

4 Confidence System

Three-tier reflection layer shows response confidence

89% user trust rate

5 Bias & Hallucination Mitigation

Rigorously tested with industry frameworks

96% ethics pass rate

6 Privacy Protection

No queries stored or used for LLM training

Contractual safeguards