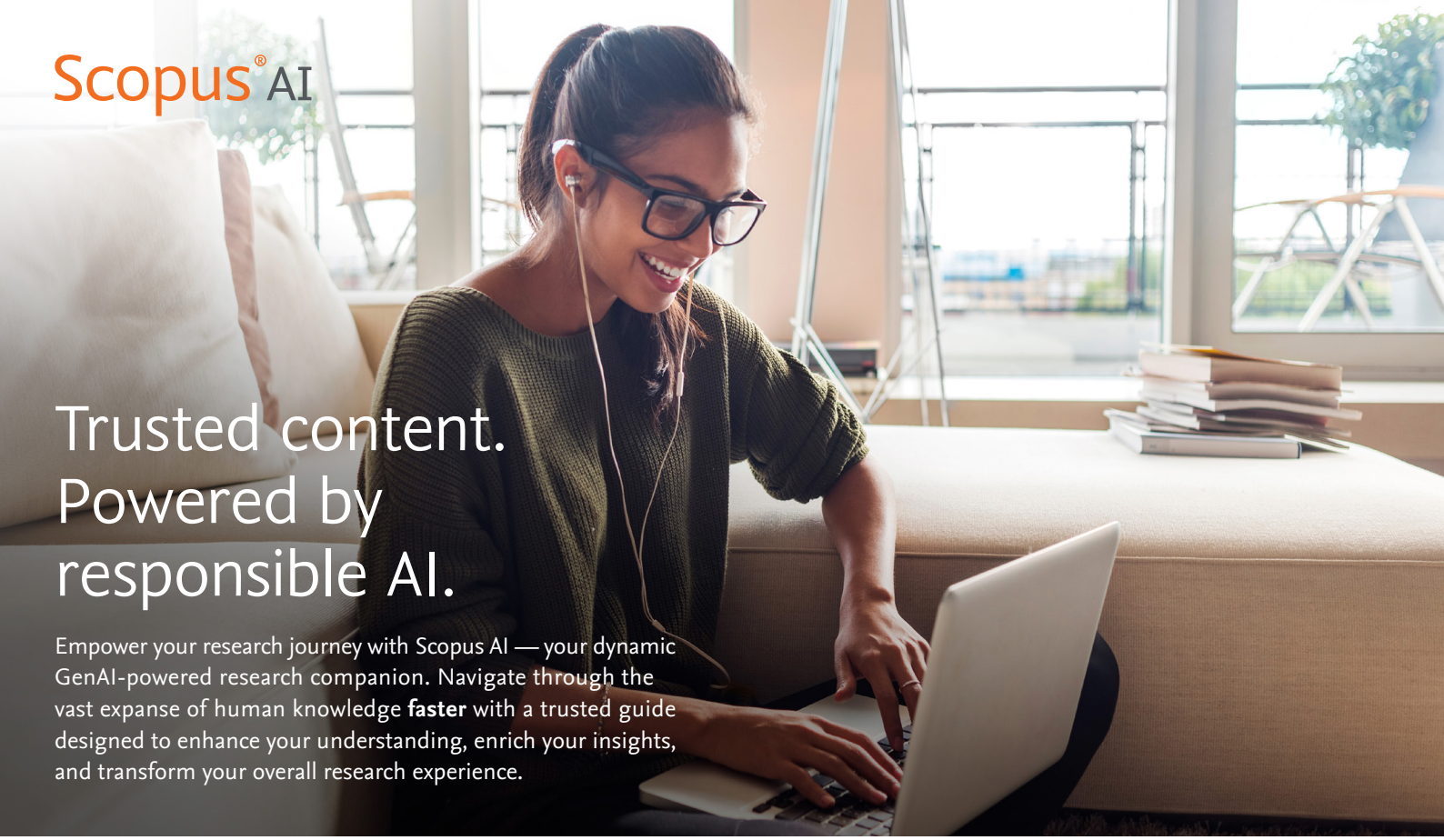
Scopus® AI



Trusted content. Powered by responsible AI.

Empower your research journey with Scopus AI — your dynamic GenAI-powered research companion. Navigate through the vast expanse of human knowledge **faster** with a trusted guide designed to enhance your understanding, enrich your insights, and transform your overall research experience.

How Scopus AI works

1. Enter your natural-language query to begin. An easy-to-follow Summary of the results will be generated, along with Scopus references to provide additional transparency and trust. Dig deeper with Expanded summaries.
2. View a graphical representation of the keywords to reveal hidden connections and insights.
3. Rapidly pinpoint the most influential papers on your topic.
4. Find leading experts in the field, with explanations of their expertise relevant to your query.
5. Go deeper into related queries to discover new perspectives.

1

What would you like to learn more about?
What threat does climate change pose to coffee production?

What threat does climate change pose to coffee production?

Summary

Climate change poses a significant threat to coffee production, particularly in Central America . 1 The impact of climate change on coffee production includes reduced yields, lower quality, and increased vulnerability to pests and diseases . 2 Read More

Show all references

Expanded summary

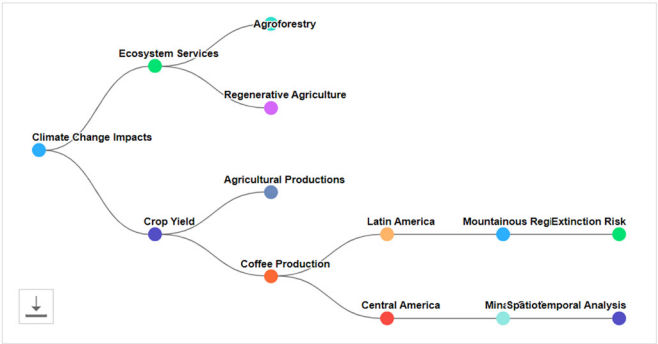
Climate change poses several threats to coffee production, affecting plant growth, development, quality, and flavor. Here are the key findings from the relevant abstracts:

1. Climate change negatively affects coffee plant growth and development due to increased frequency of extreme climate events, such as drought and heat stress . 1 2 3

Is this expanded summary more helpful than the original one? Yes No

Show all references

2



3

Foundational papers

The Impact of Climate Change on Indigenous Arabica Coffee (Coffea arabica): Predicting Future Trends and Identifying Priorities

269 citations

A.P., Davis, Aaron P., T.W., Gole, Tadesse Woldemariam, S., Baena, Susana, J.F., Moat, Justin F.

PLoS ONE 2012

Show more foundational papers

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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.

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- How does rising global temperatures affect the growth and yield of coffee plants?
- What are the specific climate-related factors that contribute to the spread of coffee diseases and pests?
- How does changing rainfall patterns impact the quality and flavor profile of coffee beans?

What is Scopus AI?

Scopus AI is an intuitive and intelligent search tool powered by generative AI (GenAI) that delivers insights with unprecedented speed and clarity.

Integrated into the Scopus website, Scopus AI helps early-career academics and researchers working across different disciplines to navigate and understand academic content. It facilitates exploration by assisting users in comprehending unfamiliar academic fields.

Research summarization you can trust

Scopus AI searches the abstracts of documents in Scopus for terms that match your query. It then synthesizes the key points in those abstracts into an easy-to-follow Summary, in seconds.

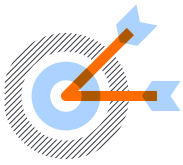
Unlike other AI tools, our advanced prompt engineering limits the risk of hallucinations — or false AI-generated information — by tapping into the trustworthy and verified knowledge from the world's largest database of curated scientific literature. This ensures you get the most reliable answers possible.

How does Scopus AI ensure data privacy?

As we embed generative AI into Scopus, we will do so in line with our Responsible AI Principles and Privacy Principles in collaboration with our communities to ensure our solutions help them achieve their goals.

Our LLM usage is private. Meaning there is no data exchange or use of our data totrain the large language model. This is an important feature of our implementation, which gives privacy and peace of mind to data publishers and authors.

Why Scopus AI?



High level of accuracy: The strict guidelines governing Scopus AI **minimize hallucinations** (incorrect or fabricated answers). For example, Scopus AI can only draw on Scopus content. And if it can't find information to formulate a response, it will tell you.

Transparent results: Scopus AI **shows its workings**, with clear references to the journals and documents it uses to generate a response. This gives you a transparent, trustworthy and verifiable source of information.

Prioritizes privacy: Scopus AI has been designed to **avoid unnecessary data retention**. We only store user data in compliant ways aimed at improving the product, such as through analytics or personalization. We also don't share it.

Trusted content: The journals that Scopus AI draws on are **peer reviewed and have been rigorously vetted** and selected for inclusion in Scopus by independent experts.

Community partnership: Scopus AI has been **developed and tested in close collaboration with academics** so it's shaped by its users and for its users.

Comprehensive insights: Scopus AI **moves beyond providing just a simple summary response:** unique features, such as the Extended summary, Concept map, Foundational papers and Topic experts enable you to continue exploring and learning.

For more information, visit
elsevier.com/products/scopus/scopus-ai