Scopus Al

The Scopus AI tool searches the Scopus database from 2013 until now. Scopus AI minimizes hallucinations by using Scopus content identified by the vector search. The answers are generated with references to the journals and documents used.

Natural language queries

Questions can be asked in a natural, dialogue-oriented way.

Summary with Scopus references

Scopus AI provides a summary with scientific references for each search.

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 The Intergovernmental Panel on Climate Change (IPCC) predicts that climate change will decrease worldwide coffee yields and reduce suitable land for coffee production by 2050. 3 The changing climate imposes greater pressure on coffee production systems, which has direct consequences on the livelihoods of coffee producers . 4 To mitigate the effects of climate change on coffee production, adaptive measures such as altitudinal shifts, resilient cultivars, and altering agrochemical inputs are being explored . 2 However, more research is needed to better understand the risks and threats posed by climate change and to develop timely adaptation and mitigation strategies . $\underline{\mathbf{4}}$







References

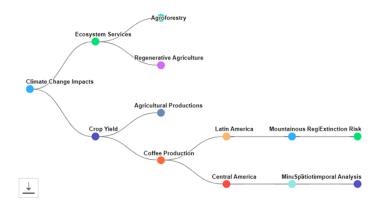
- 1 Coffee and chocolate in danger Current Biology ≥ 2014
- 2 Opportunities for enhancing the climate resilience of coffee production through improved crop, soil and water management Bracken P., Burgess P.J., Girkin N.T. Agroecology and Sustainable Food Systems ≥ 2023
- 3 A Systematic Review on the Impacts of Climate Change on Coffee Agrosystems Bilen C., El Chami D., Mereu V., (...), Spano D.
- 4 Impact of climate change on coffee production Guerrero-Carrera J., Jaramillo-Villanueva J.L., Mora-Rivera J., Tropical and Subtropical Agroecosystems ≥ 2020

Show all references

Additional Features:

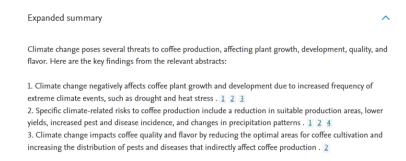
Concept Map (visual representation of entities)

Scopus AI provides a more complete picture of a topic and shows the relation to other research areas.



Expanded Summary (more comprehensive overview)

Scopus AI offers the possibility to receive a more comprehensive and in-depth response.



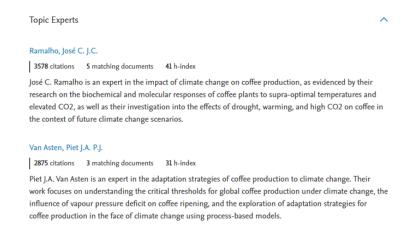
Foundational papers

Scopus AI lists the most influential scientific papers on a specific topic

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 7 2012	
Towards a climate change adaptation strategy for coffee communities and ecosystems in the Sierra Madre de Chiapas, Mexico	152 citations
G., Schroth, Gotz, P.R., Läderach, Peter Roman, J., Dempewolf, Jan, (), J., Ramírez-Villegas, Julián	
Mitigation and Adaptation Strategies for Global Change 7 2009	

Topic Experts (academic expert search)

Scopus AI identifies the leading researchers on a topic and summarizes their work and contributions.



Deeper query explanation

Scopus AI offers additional queries to discover further unknown aspects of a topic.

→ 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?