



Scopus AI:負責任的 AI  
提供可信賴的內容



# Scopus AI 介紹

# 今天研究面臨許多挑戰



## 職業生涯初期的研究人員與學者

複雜的研究環境

有限的搜尋工具

學科孤島

資訊超載

搜尋效率低

有限的合作

生產力和共同合作未達到最佳狀態/錯失機會=  
學術和社會影響力降低

Scopus AI 的開發是為了回應 60% Scopus 使用者所提出的需求：更有效地學習新主題

# Scopus AI 一覽



自然語言查詢  
(可輸入中文)

Copilot 翻譯英文、拆  
解語意、提供關鍵字

參考文獻概述

擴展參考文獻概述

Explore topics and discover relevant references from 2000 (last 4 weeks)

Meta 摘要的關鍵字

Meta English meta ->

- ① Choosing paper to answer your query
- ② Reframing natural language queries
  - either entire side effects
  - Reframing keyword search
- ③ Reframing keyword search
  - ["mRNA OR "messenger RNA" OR "mRNA based" OR "messenger modified mRNA" OR mRNA] AND [adverse effects OR "side effects" OR "adverse events" OR "toxicity concerns"]

④ Choosing synonyms

Summary

Based on the query about the side effects of mRNA vaccines, the available abstracts provide relevant information to address this topic.

**mRNA Vaccine Side Effects**

- ① **Systemic Side Effects:** Side effects of mRNA vaccines, such as the Pfizer/BioNTech and Moderna vaccines, are typically minor and transient, including pain at the injection site, fatigue, headache, and chills (1, 2, 3, 4).
- ② **Uncommon but Serious Side Effects:** Uncommon but serious side effects have been reported, including myocarditis-like illness, acute disseminated brain failure, and Guillain-Barré drug reactions (2, 4, 5).
- ③ **Sex and Age Impact:** Studies have shown that females and younger adults may experience a higher frequency of side effects, such as general fatigue, headache, joint pain, chills, and aching pain, compared to males and elderly adults (2, 3).
- ④ **Rarest Reaction Side Effects:** After receiving a booster mRNA (COVID-19) vaccine, prolonged hives-like reactions have side effects was found among females and younger adults, with joint pain being a culprit symptom related to the prolonged duration of side effects (3).
- ⑤ **Adverse Reactions:** Some adverse reactions, such as myocarditis-like illness, encephalitis, transient central blindness, long-term blindness, and allergic reactions, have been found in clinical trials and applications of mRNA vaccines (2).
- ⑥ **Genetic Background and Susceptibility:** Genetic-wide association studies have identified genetic loci associated with adverse events of COVID-19 mRNA vaccination, providing insights into the genetic susceptibility to these adverse events (3).

In conclusion, while mRNA vaccines generally have minor and transient side effects, there are reports of uncommon but serious adverse reactions, and certain demographic factors may impact the frequency and duration of side effects. Additionally, genetic background plays a role in the susceptibility to adverse events.

Expanded summary

Based on the provided abstracts, the adverse side effects of mRNA vaccines, when compared to traditional vaccines, long-term safety concerns, and their impact on public health and vaccination campaigns are addressed.

**Known Side Effects of mRNA Vaccines**

- ① **Systemic adverse events related to mRNA COVID-19 vaccines:** Local complications were the most commonly reported adverse events, with systemic adverse reactions being more common after the second dose of vaccines (1).
- ② **Another study reported that the most commonly reported side effects after the first dose of the mRNA-based COVID-19 vaccine were sore arm at the injection site and fatigue, with females being significantly associated with experiencing fatigue, discomfort, chills, and fever less (2).**
- ③ **A comparative safety study found that mRNA COVID-19 vaccines demonstrated a significantly higher**

References

- ① **MicroRNAs following COVID-19 mRNA vaccination**  
Parker M., Makarewicz P., Jankovic M., et al., *Frontiers in Immunology* (2024) | [View full text](#)
- ② **Side Effects/Reactions among Healthcare Workers after the Administration of Recombinant mRNA COVID-19 Vaccines**  
Boswell M., et al., *Journal of Infection Prevention and Control* (2024) | [View full text](#)
- ③ **Impact of Sex and Age on mRNA COVID-19 Vaccine-Related Side Effects**  
Wang W., Wang X., Wu H., et al., *Frontiers in Immunology* (2024) | [View full text](#)

Show all 10 references.

Foundational documents

① **WHO vaccine efficacy and safety of the mRNA COVID-19 vaccine**  
WHO, *Weekly Epidemiol Rec* (2022) | [View full text](#)

② **WHO vaccine efficacy and safety of the mRNA COVID-19 vaccine**  
WHO, *Weekly Epidemiol Rec* (2022) | [View full text](#)

③ **WHO vaccine efficacy and safety of the mRNA COVID-19 vaccine**  
WHO, *Weekly Epidemiol Rec* (2022) | [View full text](#)

參考文獻

基礎論文

- 介面擷取時間: 2024 年8月
- 介面與功能可能有所變更

# Scopus AI 一覽

擴展參考文獻概述

概念地圖

主題專家

深入問題

► The feasibility of mRNA vaccines were investigated to overcome the adverse events, emphasizing their crucial role in controlling the COVID-19 pandemic and decreasing its morbidity ( ).

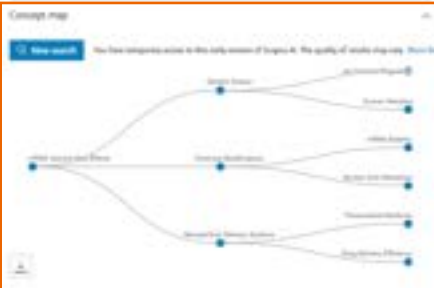
► The study on the short-term side effects of mRNA based COVID-19 vaccines aimed to gather information on the pandemic population's experience with the vaccine's side effects, with the hope that the findings will aid in lowering resistance to vaccination ( ).

In conclusion, the known side effects of mRNA vaccines include cardiac complications, systemic adverse reactions, and local site effects of the injection site. When compared to traditional vaccines, mRNA vaccines exhibit a different safety profile, with specific adverse reactions being more noticeable. Long-term safety concerns were not identified in real-world settings, and the benefits of mRNA vaccines were found to outweigh the adverse events. The impact of mRNA vaccine side effects on public health and vaccination campaigns is being studied to understand their influence on vaccine acceptance and resistance.

If you have any further questions to need additional information, feel free to ask.

Show all 1 references

Do you find this expanded summary more helpful than the original summary? Yes No



Do you find the Concept Map helpful? Yes No

Topic experts

Wang, Yajie, et al.

1441 citations 21 working documents 2015 index

Yajie Wang is an expert in vaccine safety monitoring, particularly in the context of mRNA COVID-19 vaccines. Their recent publications focus on the safety of simultaneous administration of mRNA COVID-19 and influenza vaccines, safety monitoring of mRNA COVID-19 vaccine during pregnant women, and safety of co-administration of mRNA COVID-19 and seasonal trivalent influenza vaccines. Their expertise lies in analyzing adverse event reporting data and evaluating the safety of mRNA vaccines in different population groups.

[View profile](#)

Show all 1 references

New search You have completed your search in the only section of Scopus AI. The quality of your inquiry. [View feedback](#)

Do you find this expanded summary more helpful than the original summary? Yes No

Do you find the Concept Map helpful? Yes No

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# Scopus AI 回應包括哪些內容？



## 總結概述/擴充概述

完整的參考總結概述包括 AI 對回覆信心的指引，延伸的參考概述可從多角度探討每個查詢



## Copilot

優化對高度特定或複雜查詢的回應，並包含智慧型語言層，可接受非英語語言的查詢



## 概念地圖

一個可下載的視覺圖，使用關鍵詞提供對主題空間的整體概覽



## 基礎論文

基礎論文列出與查詢關鍵字詞相關之高倍引文章。



## 主題專家

從 Scopus 1,960 萬筆作者檔案中篩選出的該領域頂尖研究人員名單



## 深入問題

一系列的提示，旨在幫助您繼續探索和學習

# 自然語言查詢

您的搜尋，您的方式 **Your Search, Your Way**

以自然、會話的方式就您選擇的主題發問。

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

氣候變遷對咖啡生產造成什麼威脅?



# 提供 Scopus 參考文獻的總結概述與擴充概述

## 了解您選擇的主題:

- 易於理解的概述針對您最初查尋提供簡明的回應。
- 擴充概述提供更深入、更廣泛的觀點。

**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. 5. However, more research is needed to better understand the risks and threats posed by climate change and to develop timely adaptation and mitigation strategies. 6.

**References**

1. Coffee and chocolate in danger  
Gunn M.  
*Genet Biolog* 7: 2014
2. Opportunities for enhancing the climate resilience of coffee production through improved crop, soil and water management  
Stralen F., Burgos F.J., Gorko H.T.  
*Agriculture and Sustainable Food Systems* 7: 2021
3. A Systematic Review on the Impacts of Climate Change on Coffee Agroecosystems  
Billo C., El Chami D., Mena V., L., Spang B.  
*Plant* 7: 2021
4. Impact of climate change on coffee production  
Garcera-Carrizosa J., Jaramillo-Villanueva J.L., Mesa-Rivera J., L., Chales-Estrella M.  
*Tropical and Subtropical Agroecosystems* 7: 2020

[View 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
2. Specific climate-related risks to coffee production include a reduction in suitable production areas, lower yields, increased pest and disease incidence, and changes in precipitation patterns. 1 2 4
3. Climate change impacts coffee quality and flavor by reducing the optimal areas for coffee cultivation and increasing the distribution of pests and diseases that indirectly affect coffee production. 2
4. Adaptation strategies to mitigate the effects of climate change on coffee production include altitudinal shifts, cultivation of new resilient cultivars, altering agrochemical inputs, and implementing agroforestry practices. 1 2
5. Financial, environmental, and technical constraints limit the availability of these adaptation strategies, particularly for smallholder coffee producers. 1
6. It is crucial to address these barriers through policy and market mechanisms, as well as stakeholder engagement, to meet the growing demand for coffee and support the livelihoods of coffee farmers. 1



# 提供對回應內容的信心及透明度 – 無法回答問題時

## 反思層 Reflection layer

提示工程 (Prompt Engineering) 會引導大型語言模型在摘要中標示回覆與您的查詢有多相關。

當 Scopus AI 無法回答問題時，它會直接告訴您搜尋不到相關文章。

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

上月球的第一個動物是



上月球的第一個動物是

[Show Copilot steps](#) ▼

Summary

I'm sorry, but none of the provided abstracts directly address the query about the first animal to go to the moon. Therefore, I am unable to provide a response based on the given abstracts.

# 提供對回應內容的信心及透明度 — 相對低時

## 反思層 Reflection layer

提示工程 (Prompt Engineering) 會引導大型語言模型在摘要中標示回覆與您的查詢有多相關。

在本範例中，Scopus AI 無法全然針對問題回覆答案，但會列出推測性的回答。

且在最後一段還會強調雖然無法提供與問題相關直接相關摘要，但提出一些看法。

Explore topics and discover relevant references since 2003 How it works

全世界哪個咖啡豆最好

全世界哪個咖啡豆最好

Show Citation steps >>

Summary

Based on the available abstracts, it is difficult to determine a single "best" coffee bean globally. However, we can provide some insights based on the information available:

- **Arabica and Robusta Beans:** The two most known species of coffee beans are *Coffea arabica* (arabica) and *Coffea canephora* (robusta) [1][2]. Arabica accounts for 75–80% of the world's production, while Robusta accounts for about 20% [3].
- **Quality Factors:** The quality of the final roasted coffee product is influenced by the amount and composition of flavor precursors in green coffee beans [4]. Factors such as polysaccharides, lipids, proteins, caffeine, trigonelline, chlorogenic acids, free sugars, free amino acids, minerals, and others play a role in determining the quality of the coffee [5].
- **Production and Consumption:** Coffee is grown in almost all countries along the Equator, with Brazil, Vietnam, and Indonesia being the largest producers [6][7]. The total world coffee consumption is estimated to be over 6 million tons/year, with Europe being the largest market [8].
- **Health Benefits and Functional Properties:** Coffee has received attention due to its high content of bioactive compounds with antioxidant and other beneficial biological properties, making it a potential candidate as a functional food [9][10].
- **Environmental Impact and Waste Management:** Despite the continued increase in coffee bean consumption, a significant amount of coffee waste is generated, leading to environmental concerns [11]. Research is being conducted on methods such as hydrothermal carbonization for effective recycling of coffee wastes [12].

Unfortunately, none of the abstracts directly identify a single "best" coffee bean globally. However, based on the information available, Arabica and Robusta beans are the most commercially important, and the quality of the final product is influenced by various factors present in the green coffee beans. Additionally, coffee consumption, health benefits, and waste management are important aspects of the global coffee industry.

# 提供對回應內容的信心及透明度 - 中等時

## 反思層 Reflection layer

提示工程 (Prompt Engineering) 會引導大型語言模型在摘要中標示回覆與您的查詢有多相關。

當 Scopus AI 對回答的信心中等時，會給出推測性的回答，並明確表明，例如在 Scopus 上關於這個主題的資訊很有限。這種情況下，會提供一些細節。而最後一段結論會給一些看法。

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

What would you like to learn more about?  
quantification in explosion simulation testing

### quantification in explosion simulation testing

Summary

Based on the provided abstracts, there is limited direct information on quantification in explosion simulation testing. However, some relevant insights can be inferred:

**Insights:**

- **Simulation Techniques:** Computational fluid dynamics (CFD) models are widely used for explosion simulation, offering detailed insights into explosion parameters and processes [1](#) [2](#) [3](#).
- **Challenges and Solutions:** CFD simulations have limitations such as high computational costs and potential inaccuracies, but these can be addressed through techniques like model simplification and appropriate grid design [1](#).
- **Experimental Validation:** Experimental testing remains crucial for validating blast protection technologies, with specialized blast simulators enabling safe and controlled laboratory testing [4](#) [5](#).
- **New Simulation Methods:** New methods based on FLACS software have been developed for more stable and three-dimensional explosion overpressure calculations, addressing the limitations of traditional assessment techniques [6](#).

While the abstracts provide valuable insights into explosion simulation and testing, there is limited direct information on quantification in explosion simulation testing. However, the use of CFD models and specialized blast simulators for experimental validation are key aspects to consider when exploring quantification in explosion simulation testing.

# 提供對回應內容的信心及透明度 - 高度確定時

## 反思層 Reflection layer

提示工程 (Prompt Engineering) 會引導大型語言模型在摘要中標示回覆與您的查詢有多相關。

Scopus AI 對回答的問題有高度確定性，會直接回應，並可能指出一些細節差別，例如：指出某個領域存在明顯的偏見，或有些需要再證實。

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

COVID-19 疫苗哪個效果最好?

COVID-19 疫苗哪個效果最好?

[Show Copilot steps](#)

Summary

Based on the abstracts provided, the effectiveness of COVID-19 vaccines can be evaluated based on the available evidence. Here's a summary of the key points:

- **Vaccine Types and Efficacy:** Multiple vaccine types, including mRNA, non-replicative adenovirus vectors, inactivated whole virus, and protein subunits, have shown safety and efficacy during clinical trials or real-world studies [1](#) [2](#) [3](#) [4](#) [5](#).
- **Effectiveness Against Variants:** The Pfizer/BioNTech vaccine has been identified as the most effective against infections with certain variants, such as B.1.1.7 and B.1.351 [6](#). However, more efforts are required to test the effectiveness of COVID-19 vaccines against newly emerging variants [7](#).
- **Vaccine Distribution and Global Access:** Despite substantial unequal COVID-19 vaccine distribution, global efforts aim to achieve equitable vaccine rollouts worldwide, with the goal of vaccinating 40% of the population of every country by the end of 2022 [8](#).
- **Real-World Effectiveness:** Studies have shown high vaccine effectiveness against severe COVID-19 outcomes, with evidence supporting the need for booster vaccines to maintain high effectiveness against severe COVID-19 outcomes [9](#) [10](#).
- **Vaccine Safety:** Rare cardiovascular and neurological complications have been reported in association with COVID-19 vaccines, emphasizing the need for continued monitoring of vaccine safety [11](#).

If you have any further questions or need more specific details, feel free to ask!

# Copilot - 優化對高度特定或複雜查詢並可用中文查詢

Copilot，旨在優化對高度特定或複雜查詢的回應。Copilot 同時使用關鍵字和向量搜尋工具，運用更多不同類型的搜尋技術，以更好地處理專門查詢，並提供更明確的回應。

## Copilot 的運作方式：

- Copilot 會檢視您的查詢內容，並決定是否執行向量搜尋和/或關鍵字搜尋。
- 然後，它會確保複雜的查詢被分解為其組成部分，並針對它選擇使用的搜尋管道進行最佳化；例如，對於關鍵字搜尋，它會加入布林運算元
- 在此過程中，它會考慮比之前的搜尋更多的摘要

## 支援非英語查詢

- 自動糾正拼字錯誤，提供最清晰的回覆
- 處理較長的文字查詢，包括摘要全文
- 擴大 Scopus AI 提供的搜尋結果數量 - 從摘要中的 10 個和擴充摘要中的 20 個增加到新的上限 30 個



根據 Elsevier 的 Responsible AI 原則，Copilot 提供了獨特的透明層，可明確解釋工具如何分解並最佳化您的查詢。這是目前市場上 GenAI 解決方案中獨一無二的功能，也是邁向精進這項令人振奮的新工具的另一步。

# 參考文獻和基礎論文

## What threat does climate change pose to coffee production?

Show Export options

### Summary

Climate change poses a significant threat to coffee production, impacting both yields and quality. Here's a breakdown of the key threats and potential solutions based on the provided abstracts:

- Adverse Environmental Impacts:** Climate change is predicted to reduce the bio-climatic suitable areas, growth, and yield of coffee, while also inducing the occurrence of pests and diseases [1].
- Adaptation Strategies:** Farmers have implemented various adaptation strategies, including selecting appropriate shade tree species, soil fertility maintenance, and pests and diseases management, to minimize the detrimental effects of climate change [2].
- Financial and Technical Constraints:** Despite potential environmental solutions, financial, environmental, and technical constraints limit the availability of these approaches to farmers, particularly smallholder producers [3].
- Need for Support:** There is an urgent need for greater technical, financial, and policy support to help smallholder coffee farmers implement adaptation practices and become more resilient to climate change [3].
- Impact on Global Supply:** Model projections suggest that coffee cultivation areas will need to move to higher elevations as suitability moves upslope to compensate for increased temperatures, potentially leading to a shortage of coffee supply [3].

If there is no direct answer in the abstracts, but a response can be inferred from information provided then briefly explain your reasoning when writing your summary.

如果沒有提供直接相關回覆，您可以從提供的資訊中推導出結論

Expanded summary

Concept map

### References

- 1 The impact of climate change on coffee production of small farmers and their adaptation strategies: a review  
Jain T.G., Singh D., Loka B.  
*Climate and Development* (2023)
- 2 The impact of climate change and variability on coffee production: a systematic review  
Phan T., Rondon-Torres K., Muehling S., Cockfield G.  
*Climate Change* (2020)
- 3 Vapour pressure deficit determines critical thresholds for global coffee production under climate change  
Kath J., Crapanzani, Fang Y., (...), Pinner S.  
*Nature Food* (2022)

Show all 6 references

### Foundational documents

- ISB creation  
A bitter cup: climate change profile of global production of Arabica and Robusta coffee  
C., Bunn, Christian, P.R., Lidarash, Peter Roman, O., Ouellet-Berthel, Odiana, D., Kirschke, Dieter  
*Climate Change* (2021)
- ISB creation  
The Impact of Climate Change on Indigenous Arabica Coffee (Coffea arabica): Predicting Future Trends and Identifying Priorities  
A.P., Davis, Aaron P., T.W., Gale, Tadesse Woldemariam, S., Bama, Sorana, J.F., Mook, Justin F.  
*PLoS ONE* (2022)
- Show more documents

## 參考文獻/書目

Scopus AI 會從 Scopus 中搜尋 2003 年之後發表的文章，並透過 AI 辨識出與您搜尋問題最相關的文獻摘要，以生成總結概述。這些摘要的全文在參考文獻區塊中列出。

初始查詢最多提供 10 篇高度相關的參考書目

## 基礎論文

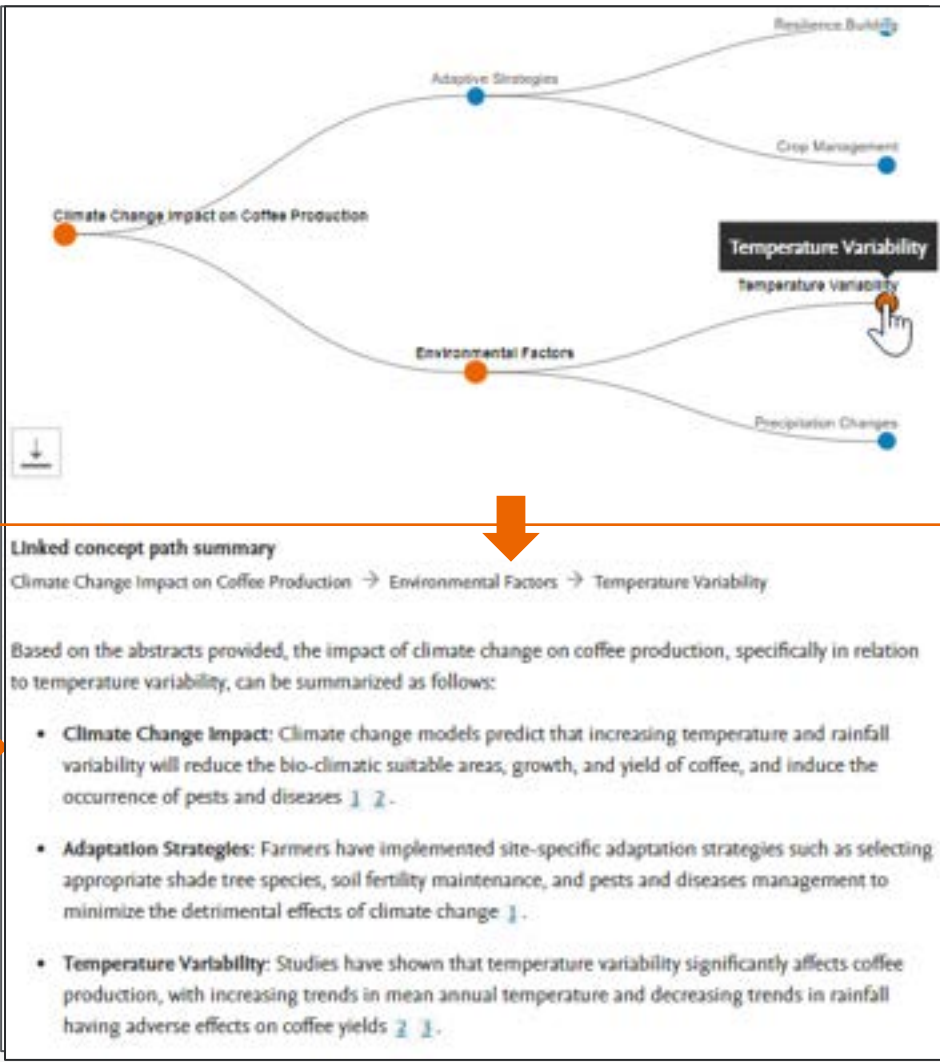
然而，最相關的文章不一定是其領域中最重要或引用次數最高的。而基礎論文呈現高倍引文章。這些基礎論文會依引用次數排序，讓您快速瞭解特定主題的關鍵文獻。

# 概念地圖

## 縱觀全局

採用大型語言模型來編織研究領域的結構，使用研究摘要中的關鍵字為每次查詢產生概念地圖，有助全面了解此主題間的關聯，並探索尚未開發的前沿領域。

點擊一個節點時，該關係會以橙色顯示，也會有關係的概述和解釋。如果點擊其他節點，概述和解釋也會隨之更新。



# 主題專家



## 發現誰是專家

主題專家功能使用 Scopus 中超過 1,960 萬的作者檔案來尋找與查詢主題相關的頂尖研究人員。

Topic experts

Kath, Jarrod M. J.M.

580 citations 3 matching documents 17 h-index

Jarrod M. Kath is an expert in the threat of climate change to coffee production due to their research on integrated spatial modeling for identifying potential coffee growing areas, assessing climate risks in agroforestry systems, and determining critical thresholds for global coffee production under climate change.

Preview profile

可開啟 Scopus 的作者檔案

Byrareddy, Vivekananda Mittahalli V.M.

293 citations 4 matching documents 9 h-index

Vivekananda Mittahalli Byrareddy is an expert in the threat of climate change to coffee production based on their work in integrated spatial modeling for identifying potential coffee growing areas, assessing climate risks in agroforestry systems, determining critical thresholds for global coffee production, and predicting coffee yield at the regional scale.

Preview profile



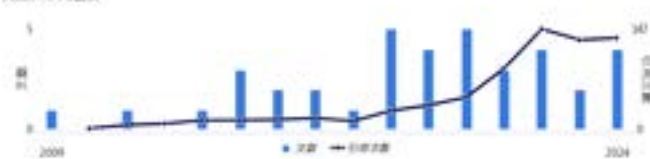
Kath, Jarrod M.

Centre for Applied Climate Sciences, Townsville, Australia 51187180400 <https://orcid.org/0000-0001-7790-8872>

693 38 17  
Cited by 584 文章 文章 文章  
查看所有指標 >

顯示詳細摘要 保存或分享 編輯作者檔案 ... 更多

文獻與引用趨勢



分析作者的最近 10 篇文章

38 文章 作者指標 Cited by 584 文章 4 種語言 91 共同作者 9 主題 8 相關期刊

貢獻度最多的主題 2019-2023

- Coffee Arabica; Climate Change; Irrigation 1 篇文章
- Risk Management; Climate Change; Livestock Insurance 1 篇文章
- Multivariate Analysis (Return Period); Copula 1 篇文章

查看所有主題

\*介面與功能可能有所變更



# 深入問題

Go deeper

- ↳ How does climate change affect the flavor profile of coffee beans?
- ↳ What measures can coffee farmers take to mitigate the impact of climate change on their crops?
- ↳ How does climate change influence the geographic distribution of coffee-growing regions?

## How does climate change affect the flavor profile of coffee beans?

Show Copilot steps ▾

### Summary

Based on the query about the impact of climate change on the flavor profile of coffee beans, the following insights can be derived from the relevant abstracts:

- **Environmental Impact on Chemical Composition:** The environment, including climatic conditions, has a significant effect on the chemical composition of coffee beans, with temperature positively correlated with lipids and volatile compounds [1](#).
- **Sensory Quality and Volatile Profile:** Reduced precipitation due to climate change can lead to a decrease in sensory quality and impact volatile compounds in coffee beans, with the presence and magnitude of the sensory quality shift varying by cultivar and sensory attribute [2](#).
- **Interaction of Elevated CO<sub>2</sub> and Temperature:** Elevated CO<sub>2</sub> can mitigate the negative impact of heat on coffee bean quality, contributing to the preservation and modification of bean characteristics under high temperature conditions [3](#).



## 繼續學習和探索

Scopus AI 會以初始的查詢建議進一步的查詢，針對每項查詢產生三個更深入的問題，幫助您深入瞭解、並將知識擴展到更廣泛的視角、甚至有意想不到的新觀點。

### References

- 1 Genetic-environment interactions and climatic variables effect on bean physical characteristics and chemical composition of Coffea arabica  
Sarzynski T., Bertrand B., Rigal C., (...), Etienne H.  
*Journal of the Science of Food and Agriculture* 2023
- 2 Effects of reduced rainfall on coffee quality and volatile composition  
Pappo E., Keene S., Smith H., (...), Flory S.L.  
*Journal of the Science of Food and Agriculture* 2024
- 3 Can elevated air [CO<sub>2</sub>] conditions mitigate the predicted warming impact on the quality of coffee  
...

\*介面與功能可能有所變更

# Scopus 具有多學科和來源中立的特性



# Scopus AI 採取大規模的步驟以減少幻覺

GenAI 工具中使用的大型語言模型 (LLM) 有許多好處，但也有缺點。

這些缺點包括可能產生「幻覺」 - 不準確或錯誤的回應，因而影響對其所提供資訊的信任。

Scopus AI 採取了多層次的方法來減少幻覺。

1. 回覆以 Scopus 內容為基礎
2. 資料來源每日更新
3. 嚴格的「防護欄」引導大型語言模組
4. 先進的 RAG Fusion 技術
5. 嚴格的評估架構
6. 跨部門人員監督
7. 社群反饋

Scopus AI 網頁:包括 Scopus AI 介紹文宣、簡介短片、技術與 Elsevier 負責任 AI 聲明等

[Scopus AI 簡介](#)

[Scopus AI 的與眾不同之處](#)

[常見問題](#)

[最新新聞和見解](#)

[網路研討會](#)

[隨時瞭解最新動態](#)



## 根據最新的可信知識獲取相關回應

來源中立的 Scopus 擁有 27,800+ 同儕審查期刊和 330,000+ 本書——所有這些都由**獨立專家委員會**精心審查和選擇。

Scopus AI 擷取 Scopus 中自 2003 年起出版的文獻的元資料和摘要，從資料庫中的 7,000 多家出版商中找出最相關的內容。知識庫每日更新，確保回應始終以最新資訊為基礎。

### 進一步了解

- [Scopus AI 短片介紹](#) ➤
- [值得信賴的內容，由負責任的 Scopus AI 提供支持](#) ➤
- [快速展示您圖書館的價值？Scopus AI 讓這一切變得更容易](#) ➤
- [RAG Fusion 專利申請—AI 驅動搜尋新境界，提升 Scopus AI 的生成性概述](#) ➤
- [經驗分享：研究人員如何使用 GenAI 比以往更快地獲得所需資訊](#)
- [Scopus AI 倡導 Elsevier Responsible AI 原則\(簡介下載\)](#) ➤
- [Elsevier 負責任的人工智慧原則與進一步了解我們使用的 AI 工具](#)



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Thank you

