

## Scopus AI： 助力图书馆解锁无限潜力

了解如何使用新学术AI工具服务师生，  
提升图书馆角色影响力

### Scopus AI 是什么？

Scopus AI 是一款由生成式AI驱动的智能搜索工具。它与学术界密切合作，从Scopus中的元数据和摘要中获得见解，覆盖了7,000多家值得信赖的科学领域出版商，超过27,800种学术期刊的可信内容，累计超过18亿的引用文献，和超过1,960万的学者档案。

### Scopus AI 如何工作？

在 Scopus AI 中输入一个自然语言问题后，它会检索 Scopus，找到 2013 年以来发表的最相关摘要，从而创建一个简单易懂、逻辑清晰、以及（重要的是）带有参考文献的主题总结作为回复。问题推荐、拓展答案、知识概念图、高引文献、领域专家等功能指引进一步探索和深入学习。

### 为什么选择 Scopus AI？

Scopus AI 旨在提供精炼、可靠的研究主题总结，从而帮助研究人员更高效地进行科学研究，查找关联信息，并促进不同学科间的有效合作。

### 利用Scopus AI，图书馆可以：

- **帮助学生为未来的职业生涯做好准备**——通过使用 Scopus AI，帮助学生熟悉生成式 AI 工具的正确使用方法，并教会他们如何使用可靠的资料来源，以便在自己的项目中安全引用。
- **帮助学生完善论文或项目课题，避免信息过载**——向学生展示如何在几秒钟内获得研究课题的知识脉络，从而减少搜索和阅读的时间。即使他们对课题只有一个粗略的想法，Scopus AI 也会推荐相关问题，引导探索可能的研究方向。
- **打破学科孤岛**——向研究人员展示如何快速探索新的或不熟悉的领域。Scopus AI 为跨学科知识间的交流提供了便捷的途径：知识概念图将结果可视化，让用户了解不同学科和领域研究课题之间的关系。
- **解决参考文献查询问题**——利用 Scopus AI 为用户提供所选主题的总结，提升了撰写文献综述的效率。由于向量搜索考虑的论文范围很广，Scopus AI 提供的回复可能会包含一些启发——这是探索新途径的绝佳机会。
- **提升自身角色的价值和影响力**——研究图书馆协会(ARL)认为，生成式 AI 的兴起为图书馆提供了一个“发挥领导力”的机会。



## 以透明、可靠的数据为基石

Scopus AI 在数据透明度与覆盖面方面领先于同行。这项定制化技术完全采用 Scopus 内容，其均经过**独立的内容遴选与咨询委员会**(由代表主要科学学科的全球知名科学家和图书馆员组成)严格审核和筛选。此外，Scopus AI 还会显示所使用的文档摘要的明确参考文献，并降低编造或错误答案(即“幻觉”)的风险，从而确保结果的透明性和可信度。

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

#### Summary

Climate change poses a significant threat to coffee production, impacting both yield and quality. Here's a breakdown of the specific threats:

- **Adverse Environmental Impacts:** Climate change leads to a reduction in suitable areas for coffee production, lower yields, increased frequency of extreme climate events, and a greater incidence of pests and diseases.
- **Vulnerability of Coffee Producers:** Smallholder farmers, who represent the majority of coffee producers, are particularly vulnerable to the impacts of climate change.
- **Challenges in Latin America:** Coffee producers in Latin America face rising temperatures, altered rain patterns, and increased problems with pests and diseases, threatening production and the suitability of current coffee lands for future harvests.
- **Need for Adaptation Strategies:** Sustainable management practices, such as agroforestry and the use of resilient cultivars, are urgently needed to enhance the resilience of coffee production to climate change.

#### Foundational documents

18 citations  
A letter on climate change profile of global production of Africa and Robusta coffee  
C. Diaz, Christian, F.R., Librecht, Peter Roman, G., Challa-Bauer, Ulrike, B., Kintzle, Gero  
Climate Change (2016)

229 citations  
Towards a climate change adaptation strategy for coffee conservation and expansion in the Sierra Madre de Chiapas, Mexico  
M., Scheff, S.M., F.R., Librecht, Peter Roman, J., Desprez, J., L., J., Roman (Eds.), Latin American and Caribbean Strategy for Global Change (2016)

#### These were documents

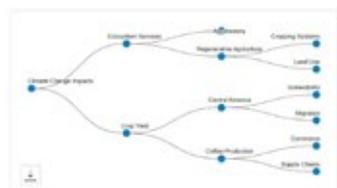
#### Expanded summary

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 making coffee production vulnerable, the economic implications, and potential adaptation strategies.

#### Impact of Climate Change on Coffee Production

- Recent climate change models predict that increasing temperature and rainfall variability will reduce the bio-climate suitable area, growth, and yield of coffee, and reduce the occurrence of pests and diseases.
- Climate change is adversely affecting coffee production, impacting both yields and quality, with potential environmental solutions including altitudinal shifts, new resilient cultivars, altering agrochemical inputs, and agroforestry.
- Coffee production is highly susceptible to changes in climate, with evidence of declines in yield, loss of coffee optimal areas, and increased distribution of pests and diseases.
- The risk of exceeding critical threshold levels for coffee productivity due to climate change, particularly vapor pressure deficit (VPD), may strongly affect global warming models (2°C), indicating a significant impact on coffee production.

#### Concept Map



#### Topic experts

##### Kath, Jerald M. J.M.

18 citations 4 matching documents 276 index

Jerald M. Kath is an expert in the impact of climate change on coffee production. Their research on integrated spatial modeling for identifying potential coffee growing areas, assessing climate risks in agroforestry systems, and improving irrigation management for coffee farms demonstrates their expertise in understanding the threats posed by climate change to coffee production.

#### Preview profile

##### Beyerskand, Vivekananda Mithalalli V.M.

229 citations 9 matching documents 816 index

Vivekananda Mithalalli Beyerskand has demonstrated expertise in assessing the impact of climate change on coffee production. Their research on spatial modeling for identifying potential coffee growing areas, assessing climate risks in agroforestry systems, and improving irrigation management for coffee farms demonstrates their expertise in understanding the threats posed by climate change to coffee production.

#### Go deeper

- How does climate change affect the flavor profile of coffee beans?
- What are the specific weather patterns that pose a threat to coffee plantations due to climate change?
- How does climate change impact the vulnerability of coffee plants to pests and diseases?

Scopus AI 始终展示其工作原理，并明确引用所使用的文档摘要。

## Scopus 数据

Scopus AI 完全采用 Scopus 中经过独立专家委员会审核的综合性多学科内容。Scopus 收录了：

- **9,400** 多万条记录
- **27,800** 多份同行评审期刊
- **330,000** 多种图书
- **7,000** 多家出版社
- **330** 个学科
- **1,960** 多万条作者简介
- **99,600+** 单位简介

网址：<https://www.scopus.com/>

## 用户共建，持续迭代

自 Scopus AI 的设计阶段起，科研界就一直在为其献计献策。全球数以千计的研究人员、图书馆员和学术带头人参与了严格的测试，参与其中的用户正在不断塑造 Scopus AI 的未来。

通过倾听用户反馈并升级，我们已成功开发出 Scopus AI，能够满足学术界需求与特定用例。未来持续迭代中，爱思唯尔诚邀您加入“共建”。

### Scopus AI 如何保护数据隐私？

十多年来，爱思唯尔一直致力于将人工智能和机器学习技术负责任地应用到产品中，结合由独立的内容遴选与咨询委员会严格审查与挑选的同行评议内容、广泛的数据集和复杂的数据分析，帮助研究人员、临床医生、学生和教育工作者实现他们的目标。客户体验、数据隐私、完整性及负责的创新是爱思唯尔产品开发的核心，同时，爱思唯尔也将在这一过程中始终贯彻负责任的人工智能原则 (Responsible AI Principles) 和隐私原则 (Privacy Principles)。



想了解更多爱思唯尔科研情报解决方案及真实案例，请扫描左侧二维码访问。

如果您在远程访问设置中遇到任何问题，您可以通过以下方式联系我们：

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