



21 September University For Medical & Applied Sciences

**Faculty of Medical Technology
Department of Biomedical
Engineering Technology**



AI Tools for Academic Research and Plagiarism

Presenter

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Saturday, 11 May

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Importance of AI tools in academic research

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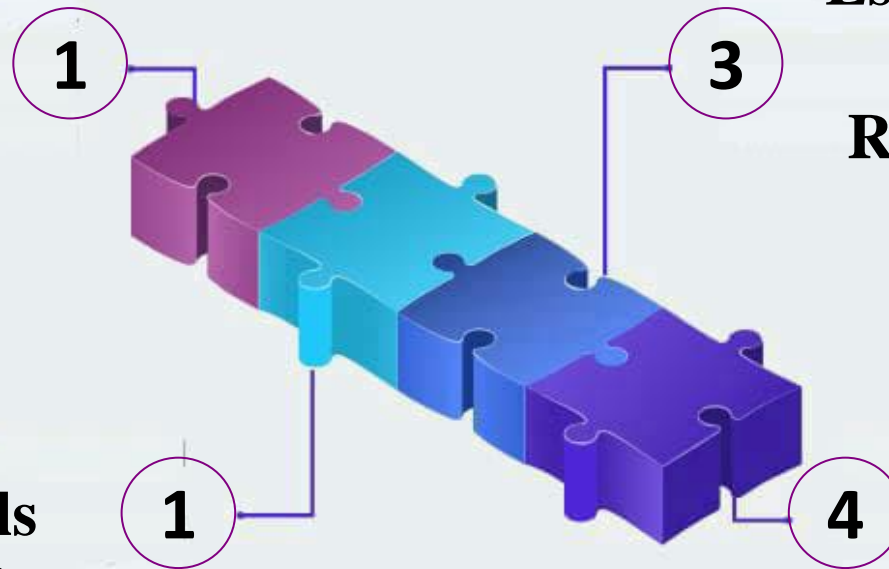
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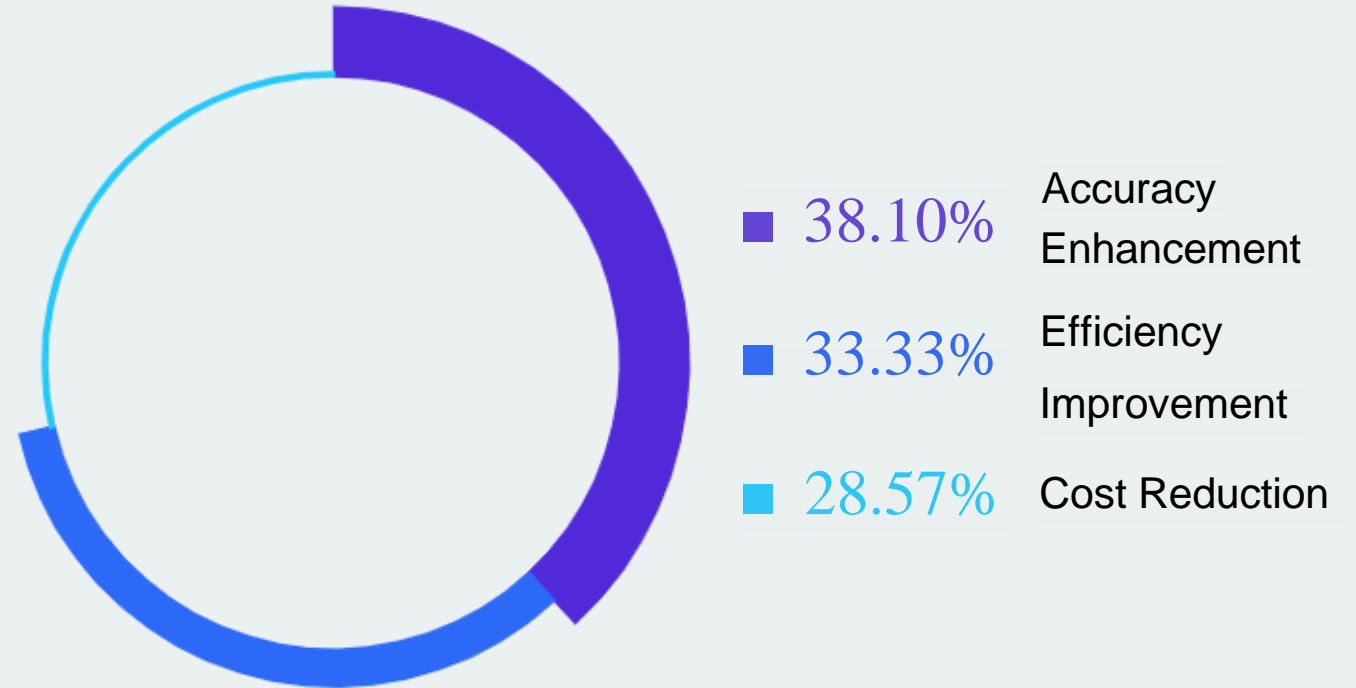


Importance of AI tools in academic research

AI Tools ROI Analysis

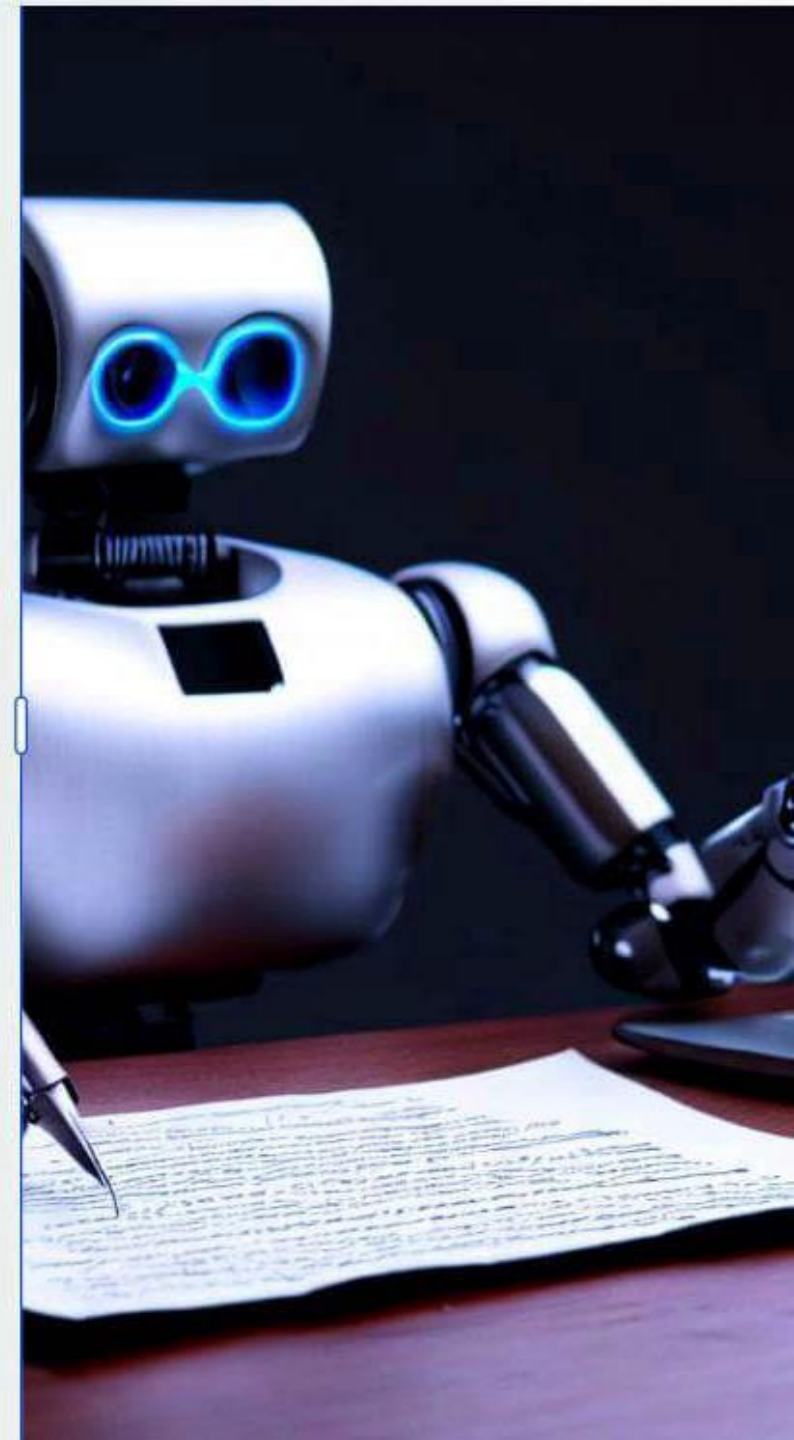
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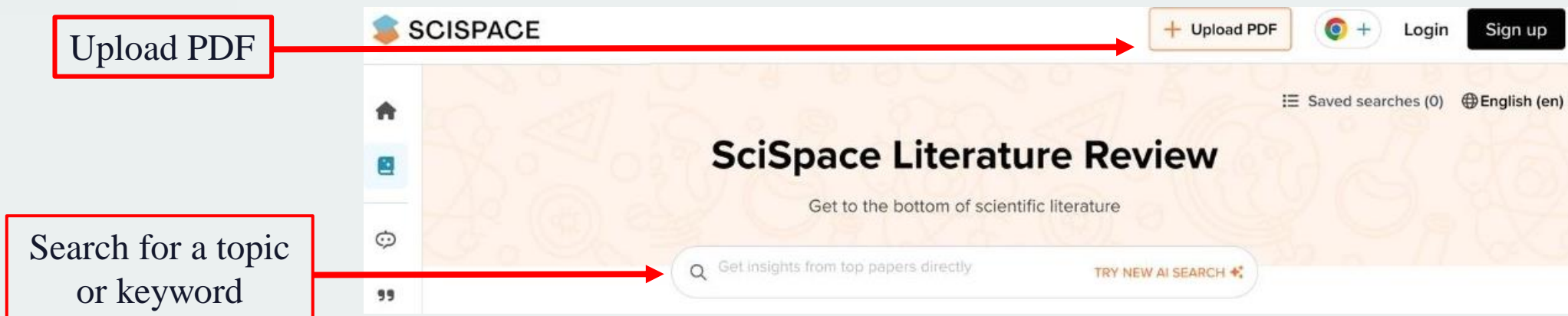
Data Source: ROI analysis comparing AI tools and traditional research methods

The Best AI Tools Used in Academic Research



SciSpace AI Research Assistant For Literature Review and Meta-analysis

- SciSpace simplify researchers' workflows like literature reviews and understanding confused and complex academic texts. Also, assists you in finding relevant papers even without perfect keyword match or research questions.
- SciSpace highlights the main conclusions, summarize takeaways, TL; DR, methodologies, and more in an easy-to-read table format.




How to use SciSpace AI to Research For Literature Review

1. Type in your query in the search bar.

The screenshot displays the SciSpace AI interface. At the top left is the SciSpace logo. The search bar contains the query "How does climate change impact biodiversity?". To the right of the search bar are icons for Google, a plus sign, a user profile, "Log in", and "Sign up". A dropdown menu is open below the search bar, showing "Recent searches" with two entries: "How does climate change impact biodiversity?" and "what is the impact of climate change?". Below this, it says "Try asking or searching for:" followed by five suggestions: "What is the significance of higher-dimensional algebra?", "Why are aging Covid patients more susceptible to severe complications?", "How does social media influence self-evaluation among young adults?", "What are the latest theories about dark matter and dark energy?", and "How does climate change impact biodiversity?". A tip at the bottom of the dropdown reads: "Tip: If you're asking a question, add a question mark (?) at the end to get better results". Below the dropdown, there is an "Upload a PDF" button and a section titled "or Select a sample" with three document thumbnails: "Attention is All you Need" (Machine-learning), "How Good is Your Tokenizer? On the Monolingual Performance of Multilingual Language Models" (Machine-learning), and "Global cancer statistics" (Population). On the left side of the interface, there is a vertical navigation menu with icons for home, a plus sign, chat, quote, list, AI, and a Chrome icon.



2. Review the summarized insight for a quick and informative overview of what the top papers say about your query.

How does climate change impact biodiversity?PDF+Log inSign up

Insight from top 5 papers




Saved searches (0) English (en)


Climate change has significant impacts on biodiversity. It can lead to species extinctions, changes in species distribution, and reductions in population sizes [1] [2] [3]. Climate change affects the abundance and diversity of arthropods, including insect pests, which can result in increased crop losses and food insecurity [4]. Changes in climate also affect the effectiveness of pest management strategies, such as host plant resistance and natural enemies [5]. Climate change can cause ecosystem degradation and biodiversity decline, leading to the collapse of different biodiversity components. Human activities have contributed to climate change, resulting in a decline in Earth's biodiversity. Climate change has synergistic effects with other factors impacting biodiversity, such as habitat loss, invasive species, and nutrient enrichment. Overall, climate change poses a major threat to global biodiversity and requires urgent action to mitigate its impacts.

Was this helpful?   [Ask a Question](#)

PDF Open Access Year Publication Type

[Add/Remove data](#) Sort by: Relevance

| Papers (10) | Insights | Results | Methods Used |
|--|---|--|--------------|
| <p> Open access • Journal Article • DOI</p> <p>★ Climate Change Impacts on Biodiversity—The Setting of a Lingering Global Crisis</p> <p>Fitria Rinawati +2 more 07 Mar 2013 - Diversity</p> <p>44  Ask a follow up</p> | <p>Climate change affects biodiversity by potentially leading to species extinctions, ecosystem shifts, and the loss of ecosystem services. Urgent actions are needed to address the impacts of climate change on biodiversity.</p> | <ul style="list-style-type: none">- Climate change threatens global biodiversity- Urgent actions needed to address climate change impacts on biodiversity | N/A |
| <p>Journal Article • DOI</p> <p>★ Global Warming and Climate Change: Impact on Biodiversity</p> <p>Sangita P. Ingole +1 more 01 Jun 2012 - International journal of scientific research</p> <p>1  Ask a follow up</p> | <p>Climate change is a major threat to global biodiversity, affecting the distributions of tropical insects and leading to mass extinctions.</p> | <ul style="list-style-type: none">- Global warming and climate change will impact biodiversity.- Changes in insect pests and crop losses. | N/A |

 **Copilot** en
Ask me anything related to the papers in the search results

3. Ask follow-up questions to Copilot on summarized insights to gain a deeper understanding and clarify any doubts you may have.

The screenshot displays the SCISPACE website interface. At the top, there is a search bar with the query "How does climate change impact biodiversity?". Below the search bar, a section titled "Insight from top 5 papers" provides a summary of the search results. A red box highlights the "Ask a Question" button in the interaction area. To the right, a Copilot chat window is open, showing a user question: "What is meaning of arthropods?". The chat window also displays a list of bullet points providing information about arthropods.

SCISPACE

How does climate change impact biodiversity?

Log in Sign up

Insight from top 5 papers

Climate change has significant impacts on biodiversity. It can lead to species extinctions, changes in species distribution, and reductions in population abundance and diversity of arthropods, including insect pests, which can result in increased crop losses and food insecurity [4]. Changes in climate strategies, such as host plant resistance and natural enemies [5]. Climate change can cause ecosystem degradation and biodiversity decline, leading to components. Human activities have contributed to climate change, resulting in a decline in Earth's biodiversity. Climate change has synergistic effects such as habitat loss, invasive species, and nutrient enrichment. Overall, climate change poses a major threat to global biodiversity and requires urgent action.

Was this helpful? Ask a Question

PDF Open Access Year Publication Type

| Papers (10) | Insights | Results |
|--|---|--|
| <p>Open access • Journal Article • DOI</p> <p>★ Climate Change Impacts on Biodiversity—The Setting of a Lingering Global Crisis</p> <p>Fitria Rinawati +2 more</p> <p>07 Mar 2013 • Diversity</p> <p>44 PDF Ask a follow up</p> | <p>Climate change affects biodiversity by potentially leading to species extinctions, ecosystem shifts, and the loss of ecosystem services. Urgent actions are needed to address the impacts of climate change on biodiversity.</p> | <p>- Climate change threatens global biodiversity</p> <p>- Urgent actions needed to address climate change impacts on biodiversity</p> |
| <p>Journal Article • DOI</p> <p>★ Global Warming and Climate Change: Impact on Biodiversity</p> <p>Sangita P. Ingole +1 more</p> <p>01 Jun 2012 • International journal of scientific research</p> <p>1 PDF Ask a follow up</p> | <p>Climate change is a major threat to global biodiversity, affecting the distributions of tropical insects and leading to mass extinctions.</p> | <p>- Global warming and climate change threaten biodiversity.</p> <p>- Changes in insect pests and crop losses</p> |

Copilot English (en)

What is meaning of arthropods? 4:30 pm

- Arthropods are a diverse group of invertebrate animals that include insects, spiders, crustaceans, and other related organisms.
- They are characterized by having jointed limbs, a segmented body, and an exoskeleton made of chitin.
- Arthropods play important roles in ecosystems as pollinators, decomposers, and prey for other animals.
- They are also known to be affected by climate change, with global warming and changes in temperature impacting their distribution and abundance.
- Understanding the impacts of climate change on arthropods is important for predicting changes in biodiversity and ecosystem functioning.

Write your question...

4. Use search filters like publication type, year of publication, and PDF availability to narrow down the results table and find the most relevant papers for your research.

PDF Open Access Year ^ Publication Type v Clear filters

Add/Remove data Sort by: Relevance v

| Papers (4) | Abstracts | Results | Methods Used |
|--|---|---|--|
| <p><input type="radio"/> Last 3 Years</p> <p><input checked="" type="radio"/> Last 5 Years</p> <p>From: Start year v</p> <p>To: End year v</p> <p>Cancel Apply</p> | <p>Climate change affects biodiversity by potentially leading to species extinctions, ecosystem shifts, and the loss of ecosystem services. Urgent actions are needed to address the impacts of climate change on biodiversity.</p> | <ul style="list-style-type: none">- Climate change threatens global biodiversity- Urgent actions needed to address climate change impacts on biodiversity | N/A |
| <p><input type="radio"/> Last 3 Years</p> <p><input checked="" type="radio"/> Last 5 Years</p> <p>From: Start year v</p> <p>To: End year v</p> <p>Cancel Apply</p> | <p>Climate change impacts biodiversity by altering natural vegetation structure and function, reducing primary productivity, increasing environmental stress, disrupting ecosystem services, and causing loss of species and habitat.</p> | <ul style="list-style-type: none">- Climate change affects biodiversity and terrestrial ecosystems- Rising sea levels and altered climate regimes impact wildlife and ecosystem dynamics | <ul style="list-style-type: none">- Robust climate-oriented monitoring and sensing technology- Predictions about spatial and temporal changes |

5. Use sort options to organize your search results table by relevance, date, or citation count and prioritize your reading list.

The screenshot shows the SCISPACE search results page for the query "How does climate change impact biodiversity?". The page features a search bar, navigation icons, and filter options. A table of results is displayed with columns for Papers, Insights, and Results. A sort dropdown menu is open, showing options: Relevance, Citation Count, Newest First, Oldest First, A - Z, and Z - A. A Copilot chat window is visible at the bottom right.

SCISPACE Search: How does climate change impact biodiversity?

PDF Open Access Year Publication Type Clear filters Add/Remove data Sort by: Relevance

| Papers (4) | Insights | Results |
|---|---|--|
| <p>Open access • Journal Article • DOI</p> <p>★ Climate Change Impacts on Biodiversity—The Setting of a Lingering Global Crisis</p> <p>Fitria Rinawati +2 more</p> <p>07 Mar 2013 - Diversity</p> <p>44 PDF Ask a follow up</p> | <p>Climate change affects biodiversity by potentially leading to species extinctions, ecosystem shifts, and the loss of ecosystem services. Urgent actions are needed to address the impacts of climate change on biodiversity.</p> | <ul style="list-style-type: none">- Climate change threatens global biodiversity- Urgent actions needed to address climate change impacts on biodiversity |
| <p>Open access • Journal Article • DOI</p> <p>★ The effects of climate change on global wildlife and terrestrial ecosystems</p> <p>Thilina Surasinghe</p> <p>30 Dec 2010 - TAPROBANICA: The Journal of Asian Biodiversity</p> <p>4 PDF Ask a follow up</p> | <p>Climate change impacts biodiversity by altering natural vegetation structure and function, reducing primary productivity, increasing environmental stress, disrupting ecosystem services, and causing loss of species and habitat.</p> | <ul style="list-style-type: none">- Climate change affects biodiversity and terrestrial ecosystems- Rising sea levels and altered climate regimes impact wildlife and ecosystem dynamics- Robust climate-oriented monitoring and sensing technology- Predictions about spatial and temporal changes in climate change |
| <p>Open access • Journal Article</p> <p>★ Impacts of climate change on marine biodiversity</p> <p>Neelmani +5 more</p> <p>01 Mar 2019 - Journal of entomology and zoology studies</p> <p>2 PDF Ask a follow up</p> | <p>Climate change impacts biodiversity by altering ocean temperature, salinity, sea level, and pH. It disrupts primary productivity, recruitment processes, and breeding grounds, leading to threats to marine biodiversity and humans.</p> | <ul style="list-style-type: none">- Climate change impacts marine biodiversity and primary productivity.- Ocean acidification affects corals and molluscs.N/A |

Copilot en Ask me anything related to the papers in the search results.

6. Add new or remove existing fields to customize the search results table to your specific needs.

Filters: PDF Open Access Year Publication Type Clear filters

| Papers (4) | Insights | Results | Fields Used |
|---|---|--|--|
| <p>Open access • Journal Article • DOI</p> <p>★ Climate Change Impacts on Biodiversity— The Setting of a Lingering Global Crisis</p> <p>Fitria Rinawati +2 more</p> <p>07 Mar 2013 - Diversity</p> <p>44 PDF Ask a follow up</p> | <p>Climate change affects biodiversity by potentially leading to species extinctions, ecosystem shifts, and the loss of ecosystem services. Urgent actions are needed to address the impacts of climate change on biodiversity.</p> | <p>- Climate change threatens global biodiversity - Urgent actions needed to address the impacts on biodiversity</p> | <p>Add or remove information for all papers</p> <ul style="list-style-type: none"><input checked="" type="checkbox"/> Insights<input type="checkbox"/> TL;DR<input checked="" type="checkbox"/> Conclusions<input type="checkbox"/> Summarized Abstract<input checked="" type="checkbox"/> Results<input type="checkbox"/> Summarized Introduction<input checked="" type="checkbox"/> Methods Used<input type="checkbox"/> Literature Survey<input checked="" type="checkbox"/> Limitations<input checked="" type="checkbox"/> Contributions<input checked="" type="checkbox"/> Practical Implications <p>Cancel Apply</p> |
| <p>Open access • Journal Article • DOI</p> <p>★ The effects of climate change on global wildlife and terrestrial ecosystems</p> <p>Thilina Surasinghe</p> <p>30 Dec 2010 - TAPROBANICA: The Journal of Asian Biodiversity</p> <p>4 PDF Ask a follow up</p> | <p>Climate change impacts biodiversity by altering natural vegetation structure and function, reducing primary productivity, increasing environmental stress, disrupting ecosystem services, and causing loss of species and habitat.</p> | <p>- Climate change affects biodiversity in terrestrial ecosystems - Rising sea levels and altered climate patterns affect wildlife and ecosystem dynamics</p> | |

7. Scroll horizontally and vertically to compare and contrast the findings from different papers to discover patterns, contradictions, gaps, or new perspectives.

| <input checked="" type="checkbox"/> PDF <input type="checkbox"/> Open Access Year ▾ Publication Type ▾ Clear filters Add/Remove data Sort by: Relevance ▾ ⋮ | | | |
|--|---|--|--|
| Papers (4) | Insights | Conclusions | Results |
| <p> Open access • Journal Article • DOI 🔗</p> <p>★ Climate Change Impacts on Biodiversity— The Setting of a Lingerin Global Crisis</p> <p>Fitria Rinawati +2 more</p> <p>07 Mar 2013 - Diversity</p> <p>🗨️ 44 PDF Ask a follow up</p> | <p>Climate change affects biodiversity by potentially leading to species extinctions, ecosystem shifts, and the loss of ecosystem services. Urgent actions are needed to address the impacts of climate change on biodiversity.</p> | <ul style="list-style-type: none"> - Climate change threatens global biodiversity and ecosystems - Urgent action is needed to address climate change impacts on biodiversity | <ul style="list-style-type: none"> - Climate change threatens impacts on biodiversity - Urgent actions needed to |
| <p> Open access • Journal Article • DOI 🔗</p> <p>★ The effects of climate change on global wildlife and terrestrial ecosystems</p> <p>Thilina Surasinghe</p> <p>30 Dec 2010 - TAPROBANICA: The Journal of Asian Biodiversity</p> <p>🗨️ 4 PDF Ask a follow up</p> | <p>Climate change impacts biodiversity by altering natural vegetation structure and function, reducing primary productivity, increasing environmental stress, disrupting ecosystem services, and causing loss of species and habitat.</p> | <ul style="list-style-type: none"> - Climate change affects biodiversity and terrestrial ecosystems - Conservation and management are critical to address climate change | <ul style="list-style-type: none"> - Climate change affects bi ecosystems - Rising sea levels and alter wildlife and ecosystem dyn |
| <p> Open access • Journal Article</p> <p>★ Impacts of climate change on marine biodiversity</p> <p>Neelmani +5 more</p> <p>01 Mar 2019 - Journal of entomology and zoology studies</p> | <p>Climate change impacts biodiversity by altering ocean temperature, salinity, sea level, and pH. It disrupts primary productivity, recruitment processes, and breeding grounds, leading to threats to marine biodiversity and humans.</p> | <ul style="list-style-type: none"> - Climate change poses a serious threat to marine biodiversity. - Steps should be taken to minimize human-induced climate change. | <ul style="list-style-type: none"> - Climate change impacts m productivity. - Ocean acidification affects |

8. If you find insights from a paper interesting, use Copilot to delve deeper into it, or simply click on the title to access the full text or metadata.

The image shows a screenshot of the SCISPACE search interface. The search query is "How does climate change impact biodiversity?". The results table has columns for "Papers (4)", "Methods Used", and "Limitations". The second row is highlighted, showing a paper titled "The effects of climate change on global wildlife and terrestrial ecosystems" by Thilina Surasinghe. The "Methods Used" column for this paper lists: "- Robust climate-oriented models with GIS and remote sensing technology" and "- Predictions about spatial and temporal effects of climate change". A red box highlights this text. On the right, a Copilot chat window is open, showing a user query: "Tell me more about the robust climate-oriented model suggested in the study." and a response: "The effects of climate change on global wildlife and terrestrial ecosystems. The paper suggests that robust climate-oriented models are needed to make effective predictions about the spatial and temporal effects of climate change. These models should use GIS and remote sensing technology to integrate data on climate, land use, and biodiversity. The models should also be able to account for the complex interactions between different components of..."

| Papers (4) | Methods Used | Limitations |
|---|---|------------------------------------|
| <p>Open access • Journal Article • DOI</p> <p>★ Climate Change Impacts on Biodiversity—The Setting of a Lingering Global Crisis</p> <p>Fitria Rinawati +2 more</p> <p>07 Mar 2013 - Diversity</p> <p>44 PDF Ask a follow up</p> | <p>Global biodiversity</p> <p>press climate change</p> <p>N/A</p> | <p>Insufficient</p> <p>Lack of</p> |
| <p>Open access • Journal Article • DOI</p> <p>★ The effects of climate change on global wildlife and terrestrial ecosystems</p> <p>Thilina Surasinghe</p> <p>30 Dec 2010 - TAPROBANICA: The Journal of Asian Biodiversity</p> <p>4 PDF Ask a follow up</p> | <p>diversity and terrestrial</p> <p>climate regimes impact</p> <p>- Robust climate-oriented models with GIS and remote sensing technology</p> <p>- Predictions about spatial and temporal effects of climate change</p> | <p>- Sea level</p> <p>- Rapid</p> |
| <p>Open access • Journal Article</p> <p>★ Impacts of climate change on marine biodiversity</p> <p>Neelmani +5 more</p> <p>01 Mar 2019 - Journal of entomology and zoology studies</p> <p>2 PDF Ask a follow up</p> | <p>terrestrial biodiversity and primary</p> <p>invertebrates and molluscs.</p> <p>N/A</p> | <p>N/A</p> |
| <p>Journal Article • DOI</p> | <p>change will impact</p> <p>N/A</p> | <p>N/A</p> |

9. Star the papers you liked to generate more recommendations tailored to your preferences or to save them to your library for future reference.

SCISPACE How does climate change impact biodiversity? My Library

| Papers (4) | Methods Used | Limitations |
|--|--|--|
| <p>Open access • Journal Article • DOI</p> <p>★ Climate Change Impacts on Biodiversity—The Setting</p> <p>Fitria Rinawati 07 Mar 2013</p> <p>44 PDF</p> | <p>Local biodiversity press climate change</p> | <p>N/A</p> <p>Insufficient integration into broader policies Lack of connections between sectors</p> |
| <p>Open access</p> <p>★ The effects of climate change on wildlife and biodiversity</p> <p>Philina Surasi 30 Dec 2010 Biodiversity</p> <p>4 PDF</p> | <p>and terrestrial regimes impact</p> | <p>- Robust climate-oriented models with GIS and remote sensing technology - Predictions about spatial and temporal effects of climate change</p> <p>- Sea level rise and coastal erosion - Rapid rate of climate change</p> |
| <p>Open access • Journal Article</p> <p>★ Impacts of climate change on marine biodiversity</p> <p>Neelmani + more 01 Mar 2019 Journal of entomology and zoology studies</p> <p>2 PDF</p> | <p>marine biodiversity and primary als and molluscs.</p> | <p>N/A</p> |

Collections
Select where to save or remove from

To read

Currently reading

To read

PLOS blog

Live Sciences Blog Research

[+ New collection](#)

X | 1 paper selected Show more like starred Remove unstarred (3)

10. Click on the minus button to remove papers that are not relevant to your research, helping to refine your search results and recommendations.

| Papers (10) | Insights | Conclusions | Results |
|--|---|--|--|
| <p>Open access • Journal Article • DOI</p> <p>★ Climate Change Impacts on Biodiversity— The Setting of a Lingering Global Crisis</p> <p>Fitria Pinawati +2 more</p> <p>2013 - Diversity</p> <p>44 PDF Ask a follow up</p> | <p>Climate change affects biodiversity by potentially leading to species extinctions, ecosystem shifts, and the loss of ecosystem services. Urgent actions are needed to address the impacts of climate change on biodiversity.</p> | <ul style="list-style-type: none"> - Climate change threatens global biodiversity and ecosystems - Urgent action is needed to address climate change impacts on biodiversity | <ul style="list-style-type: none"> - Climate change threatens glo - Urgent actions needed to add impacts on biodiversity |
| <p>Journal Article • DOI</p> <p>★ Global Warming and Climate Change: Impact on Biodiversity</p> <p>Sangita P. Ingole +1 more</p> <p>01 Jun 2012 - International journal of scientific research</p> <p>1 PDF Ask a follow up</p> | <p>Climate change is a major threat to global biodiversity, affecting the distributions of tropical insects and leading to mass extinctions.</p> | <ul style="list-style-type: none"> - Sensitivity of agricultural systems to climatic variations - Need for thorough studies on impacts of climate change | <ul style="list-style-type: none"> - Global warming and climate c biodiversity. - Changes in insect pests and c |

Remove this paper

11. Click the three-dot menu to export the search results table to a CSV file for further analysis, collaboration, or to keep a record of your literature review process.

The screenshot shows the SCISPACE search results page for the query "How does climate change impact biodiversity?". The page features a search bar, navigation icons, and a table of results. The table has three main columns: "Papers (10)", "Insights", and "Conclusions". A red arrow points to the "Export (.csv)" option in a dropdown menu that appears when the three-dot menu is clicked in the "Conclusions" column.

SCISPACE | Search: How does climate change impact biodiversity? | My Library

Filters: PDF Open Access | Year: [v] | Publication Type: [v] | Add/Remove data | Sort by: Relevance [v] | [⋮]

| Papers (10) | Insights | Conclusions | [⋮] |
|--|---|--|---|
| <p>Open access • Journal Article • DOI</p> <p>★ Climate Change Impacts on Biodiversity— The Setting of a Lingering Global Crisis</p> <p>Fitria Rinawati +2 more 07 Mar 2013 - Diversity</p> <p>44 PDF [🔖] Ask a follow up</p> | <p>Climate change affects biodiversity by potentially leading to species extinctions, ecosystem shifts, and the loss of ecosystem services. Urgent actions are needed to address the impacts of climate change on biodiversity.</p> | <p>- Climate change threatens global biodiversity and ecosystems - Urgent action is needed to address climate change impacts on biodiversity</p> | <p>Export (.csv)</p> <p>Removed Papers</p> |
| <p>Journal Article • DOI</p> <p>★ Global Warming and Climate Change: Impact on Biodiversity</p> <p>Sangita P. Ingole +1 more 01 Jun 2012 - International journal of scientific research</p> <p>1 PDF [🔖] Ask a follow up</p> | <p>Climate change is a major threat to global biodiversity, affecting the distributions of tropical insects and leading to mass extinctions.</p> | <p>- Sensitivity of agricultural systems to climatic variations - Need for thorough studies on impacts of climate change</p> | <p>- Global warming and climate c biodiversity. - Changes in insect pests and c</p> |

13. Utilize the translate feature by clicking on the globe icon to conduct your literature review in your preferred language.

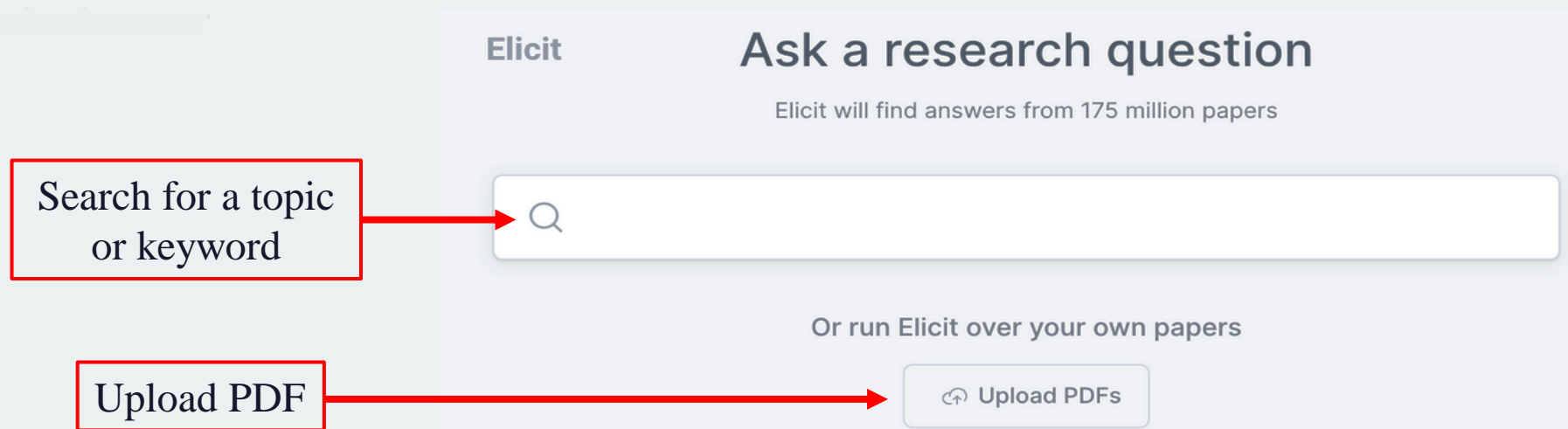
The screenshot shows the SCISPACE website interface. At the top, there is a search bar with the query "How does climate change impact biodiversity?". To the right of the search bar are icons for Google, a plus sign, and "My Library". Below the search bar, there is a "Saved searches" button and a language dropdown menu currently set to "Japanese (ja)". A red arrow points to this dropdown menu, which is open, showing a list of languages: English (en), Chinese (zh), Japanese (ja) (selected), Afrikaans (af), Albanian (sq), Amharic (am), Arabic (ar), and Armenian (hy). Below the search results, there is a table with columns for "Papers (10)", "Insights", and "Conclusions". The first row shows a paper titled "Climate Change Impacts on Biodiversity—The Setting of a Lingering Global Crisis" by Fitria Rinawati et al. The second row shows a paper titled "Global Warming and Climate Change: Impact on Biodiversity" by Sangita P. Ingole et al. At the bottom right, there is a "Copilot" button and a language dropdown set to "ja".

Elicit - AI Research Assistant For Literature Review

AI research assistant Elicit streamlines the process of finding, summarizing, and understanding research articles. You can extract key information, abstract summary, and paper-specific insights from multiple papers on a single screen.

All you have to do is upload a PDF or search for a topic or a keyword (regardless of the perfect keyword match).

This AI tool aims to make the literature review more efficient, accurate, and insightful.



Elicit vs. SciSpace: AI Assistants for effortless literature review

| Features | Elicit AI | SciSpace |
|----------------------------------|--|--|
| Custom Columns | Add additional information about all papers — Intervention, outcomes, etc. | Add custom columns to extract information such as conclusion, methodologies, etc. |
| Language support | Primarily English-focused | Supports interaction in 75+ languages |
| Paper analysis and summarization | Provides insights from <u>top 4 papers</u> with concise summaries | Provides high-level insights from <u>top five papers</u> , with detailed summaries and insights |
| Literature repository | Searches papers <u>across multiple databases</u> | Access to <u>270+ million research papers</u> , spanning old to recent publications |
| Customization | Advanced search filters including keywords, publishing date, and study type. | Refines results based publication type, year, and section-specific information extraction |
| AI-research assistant support | Allows interaction with research papers for <u>deeper insights</u> . | Integrated with <u>Copilot AI assistant</u> to chat with your paper by asking following up questions |
| Export and save options | Supports BIB and CSV file export. | Exports results as CSV and saves search settings for future sessions. |
| Ease of access | Sign-up to use | Use without signing-up |

Scite – AI Assistant

A tool that helps you find and use research-backed information.

- ❑ Scite is an AI-powered research tool that helps users **find research-backed answers to questions, collaborate on essays or research papers, and gather supporting and contrasting evidence.**
- ❑ This tool allows users to search through millions of research articles to find reliable information and to draft essays or grants.

<https://scite.ai/>

Ask, Discover, Trust

scite Assistant gives you answers with insight and control into its thought process.

Does sleeping less lead to weight gain →

⚙️ Settings ⊕ Sources

How does the structure of a protein affect its function? →

What are the cognitive and neural mechanisms underlying decision-making and risk-taking behavior? →

How many rats live in NYC? →

What is carbon dioxide? →

- 📄 Papers
Specify papers for Assistant to use
- 🔗 Custom Dashboards
Use references from selected lists of papers
- 📄 Analyze Documents
Upload and use uploaded documents with Assistant

Scite – AI Assistant

Table of contents to know where you are

Your prompt

View and edit search strategy and reference selection process

Assistant Settings

Specify Reference Requirement Let Assistant decide Always use references Never use references

Specify Evidence Source Both Abstracts only Citation Statements only

Reference Year Range From To

Reference Topics Select... | Publication Types Select... | Citation Style IEEE

Response Length Medium | # Publications to consult 25 | Reference Ranking All

Journals Select...

Dashboards Select...

Analyzed Documents Select...

Publications Select...

How does the structure of a protein affect its function?

What is a tertiary protein?

Export reference: used across all responses

Assistant's response

Reference list used to support the claims in this response, with relevant snippets from full-text / abstracts for your review.

How does the structure of a protein affect its function?

What is a tertiary protein?

Ask a question... (type '/' for menu)

Your follow-ups

References

Search Strategy

...The importance of a protein's structure to its function is beyond doubt..." >>

Editorial: Structure-function metrology of proteins
Alex R. Jones¹, Isabel Moraes², Milena Quaglia³ 2023 *Front. Mol. Biosci.*
[View full text](#) [Add to dashboard](#) [Cite](#) [Open Access Article](#)

...Here, we describe how different factors such as the type of cross-linker, protein concentration, or cross-linker concentration can affect protein structure and function..." >>

Section: ■ Results and Discussion

Impact of Chemical Cross-Linking on Protein Structure and Function
Daniel Rozbeský¹, Michal Rosůlek², Zdeněk Kukačka³ et al. 2018 *Anal. Chem.*
44 | 2 | 36 | 0
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...They reported that the majority of disease-causing substitutions affect protein stability, whereas a relatively small proportion directly disrupt molecular function..." >>

Section: Introduction

The Loss and Gain of Functional Amino Acid Residues Is a Common Mechanism Causing Human Inherited Disease
Jose Lugo-Martinez¹, Vikas Pejaver², Kimberleigh A. Pagel³ et al. 2016 *PLoS Comput Biol*
13 | 0 | 7 | 0
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...Our approach could be applied to many in vitro or in vivo protein assays, providing a general means for understanding how protein function relates to sequence..." >>

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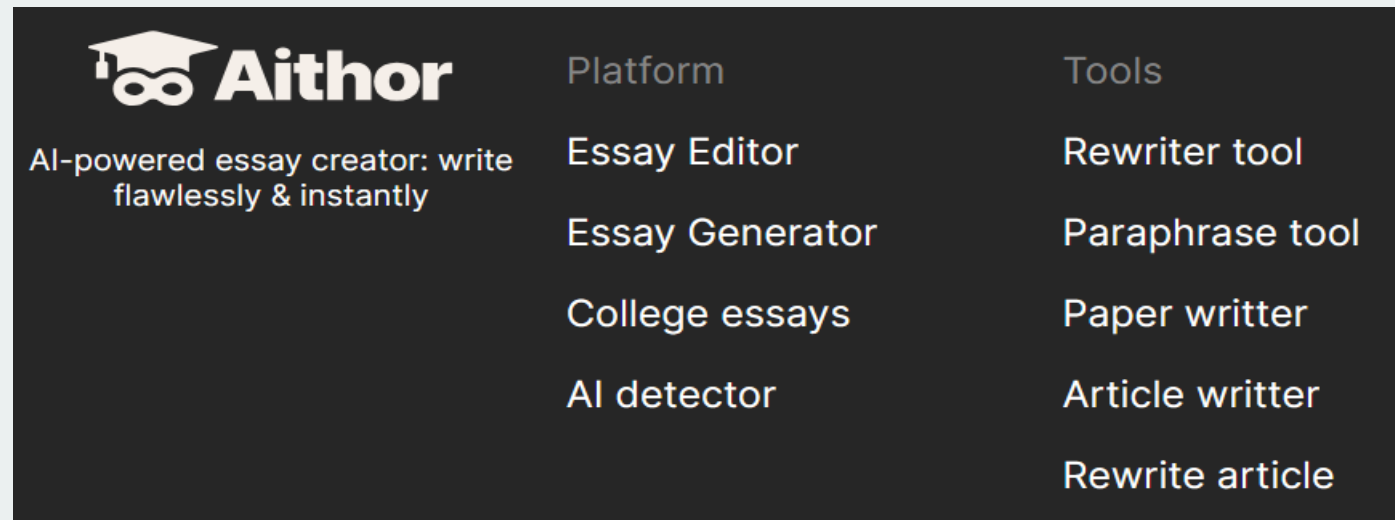
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Aithor - AI Tool: The Best Tool for Content Creation

- ❑ If your primary goal is to generate, refine, and customize content across various contexts—be it for academic, marketing, or creative writing—**Aithor** is likely the better choice. It's more efficient to produce high-quality written material.

<https://aithor.com/>



Aithor
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| | Rewrite article |

01 What do you want us to write about?

01 — 02 — 03 — 04 — 05 — 06

Does sleeping less lead to weight gain

Your topic can be short, long, or even ambiguous. Leave the details to us; we'll craft a title that encapsulates the essence of your concept.

Next →

02

How long should it be?

Medium (~3-5 pages)



Approx. 10800 - 18000 symbols / 1800 - 3000 words

← Back

Next →

04

Need references in your work? Which style?

No, Thanks

MLA

APA

IEEE

Chicago

Harvard

Vancouver

K. Garza, C. Goble, J. Brooke, and C. Jay, "Framing the community data system interface," Proceedings of the 2015 British HCI Conference. ACM, Jul. 13, 2015.

← Back

Next →

03

How should it sound? Pick your tone of voice

Formal

Informative

Objective

Analytical

Persuasive

Narrative

Descriptive

Casual

So, check it out – we've got Aithor, this super advanced AI content tool that totally makes sure your brand message is on point everywhere.

← Back

Next →

Review & edit your table of contents

Regenerate



+ Add point

+ Add section



The Impact of Sleep Deprivation on Weight Gain

- 1. Introduction
- 2. Effects of Sleep Deprivation on Weight Gain
 - 2.1. Disrupted Hormonal Balance
 - 2.2. Increased Appetite
 - 2.3. Impaired Metabolism
- 3. Sleep Duration and Weight Gain: Research Findings
 - 3.1. Studies on Sleep Deprivation and Weight Gain
 - 3.2. Correlation between Sleep Duration and Body Mass Index (BMI)

← Back

Next →

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Verify

AI tokens 0/200

76 words / 607 symbols

The Impact of Sleep Deprivation on Weight Gain

1. Introduction

2. Effects of Sleep Deprivation on Weight Gain

2.1. Disrupted Hormonal Balance

2.2. Increased Appetite

2.3. Impaired Metabolism

3. Sleep Duration and Weight Gain: Research Findings

3.1. Studies on Sleep Deprivation and Weight Gain

3.2. Correlation between Sleep Duration and Body Mass Index (BMI)

4. Strategies to Improve Sleep and Prevent Weight Gain

4.1. Establishing a Consistent Sleep Schedule

4.2. Creating a Sleep-Friendly Environment

4.3. Practicing Relaxation Techniques before Bedtime

4.4. Limiting Caffeine and Electronic Device Usage before Sleep

06

AI Actions

B I

Paraphrase

Expand

Shorten

07

Aithor

AI Actions

B

I

U

S

↶

↷

+ Add point

+ Add section

🗑️

En

1. Introduction

Overall, sleep restriction seems to increase ghrelin levels and decrease leptin concentrations, leading to an increase in appetite. Besides these hormones, sleep restriction may also affect other mechanisms that regulate appetite, such as increases in endocannabinoid levels (which can also be related to reward signaling) and a decrease in the amygdala-CNS response to food stimuli. On the other hand, sleep restriction also leads to metabolic dysregulation; glucose and insulin response are affected. As a result, decreases in energy expenditure, together with increases in appetite, may lead to a positive energy balance and weight gain.

08

AI Actions | B I U S | ↶ ↷ | + Add point + Add section | 🗑️

- Customize
- Paraphrase
- Find references
- Personalize
- Expand
- Shorten

seems to increase ghrelin levels and decrease leptin concentrations, leading to...
 Besides these hormones, sleep restriction may also affect other mechanisms...
 such as increases in endocannabinoid levels (which can also be related to...
 increase in the amygdala-CNS response to food stimuli. On the other hand,...
 to metabolic dysregulation; glucose and insulin response are affected. As a...
 expenditure, together with increases in appetite, may lead to a positive...
 t gain.

our review may be, a systematic literature review in PubMed was performed...
 view of the research in this field. Our search was conducted from 31.01. to...
 l were 'sleep', 'restriction', 'obesity', 'weight', and 'meta*'. After an initial...
 e established the following eligibility criteria: only articles about humans have...
 was no time limitation. Related meta-analyses were included, and no language

restrictions were imposed.

Pick your reference(s)



- MLA
- APA
- IEEE
- Chicago
- Harvard
- Vancouver

- “ LT van Egmond, EMS Meth, J Engström... - ..., 2023 - Wiley Online Library. Effects of acute sleep loss on leptin, ghrelin, and adiponectin in adults with healthy weight and obesity: a laboratory study. wiley.com
Cited by 20
- “ PN Radcliffe, CC Whitney, HS Fagnant, MA Wilson... - Physiology & ..., 2021 - Elsevier. Severe sleep restriction suppresses appetite independent of effects on appetite regulating hormones in healthy young men without obesity. [\[HTML\]](#)
Cited by 13
- “ J Lin, Y Jiang, G Wang, M Meng, Q Zhu, H Mei... - Obesity ..., 2020 - Wiley Online Library. Associations of short sleep duration with appetite-regulating hormones and adipokines: A systematic review and meta-analysis. researchgate.net
Cited by 88

+ More citations

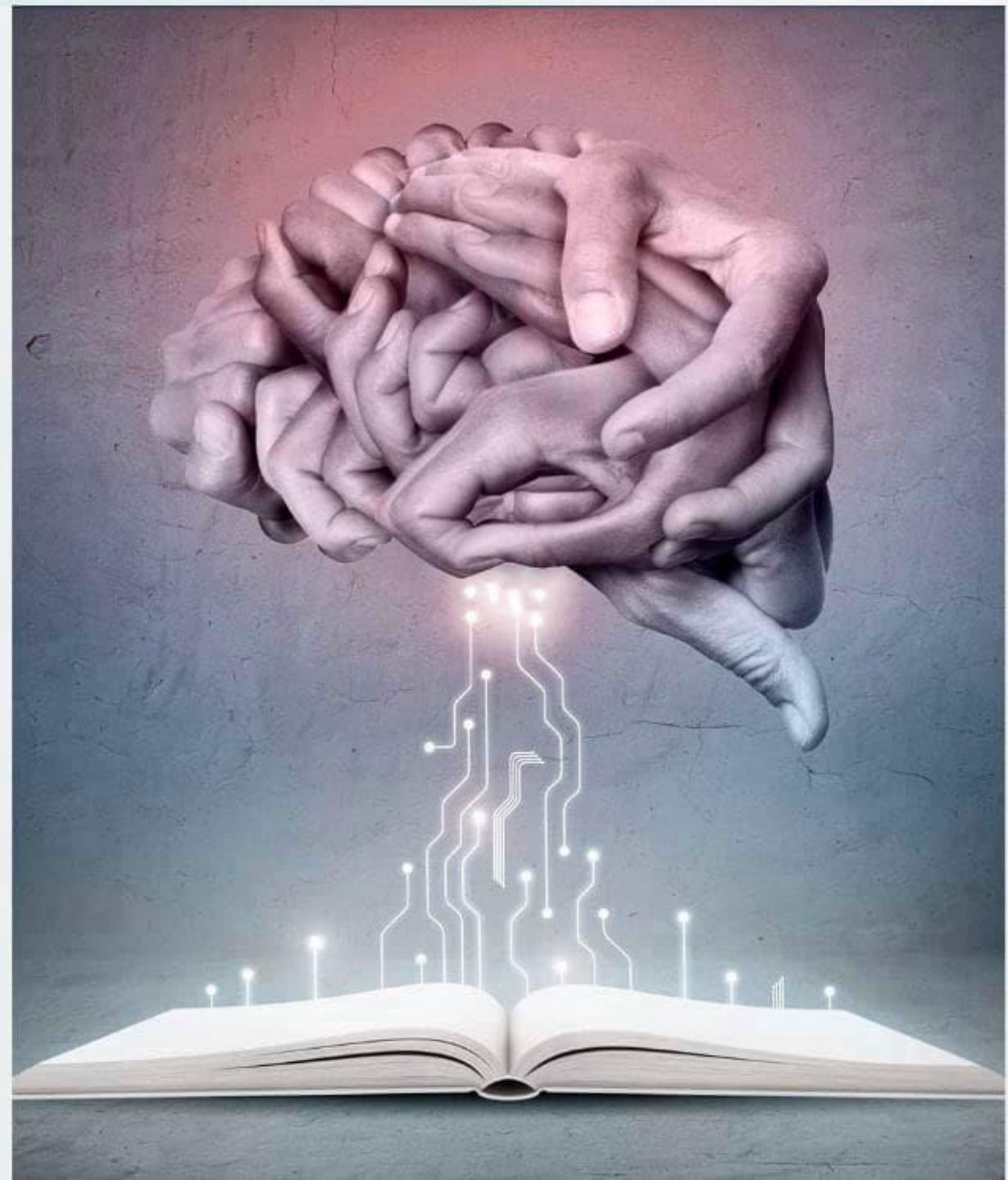
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Aithor - AI Tool

Feature & Aspect

| Feature/Aspect | Aithor |
|--------------------------|---|
| Core Purpose | AI-driven content generation for various writing needs. |
| Primary Functionality | Content creation, refinement, and customization. |
| Key Features | <ul style="list-style-type: none">– Content generation and refinement– Disguise tool to make AI text appear human-written– Multilingual support– Academic citing assistance– Style and tone adjustments |
| Target Audience | Writers, marketers, students, researchers. |
| Integration Capabilities | Limited to content generation tools. |
| User Interface | Designed for individual users across various sectors. |
| Use Cases | <ul style="list-style-type: none">– Academic writing and research– Marketing and creative content creation– Professional reports and documentation |
| Technological Focus | Content generation powered by advanced AI algorithms. |

Trust in AI Tools for Academic Research (Case Study)



Trust in AI: Evaluating **Scite, Elicit, Consensus, and Scopus AI** for Generating Literature Reviews

“Does sleeping less lead to weight gain?”

Scite vs. Elicit vs. Consensus vs. Scopus AI – A Breakdown of Works Included

| AI tool | Doc type | Title (highlighted are duplicates across different tools) | Pub year | GS Citations | OA | OA color (article level) | Publisher |
|---------|-------------|--|----------|--------------|--------|--------------------------|-------------------------|
| Scite | Article | The relationship between body mass index and sleep in women with risk factors for gestational diabetes mellitus | 2023 | 0 | OA | gold | Wiley |
| Scite | Article | Insufficient sleep and obesity: cause or consequence | 2022 | 12 | OA | gold | Wiley |
| Scite | Review | The role of insufficient sleep and circadian misalignment in obesity | 2022 | 121 | OA | bronze | Springer Nature |
| Scite | Review | Connecting insufficient sleep and insomnia with metabolic dysfunction | 2022 | 12 | OA | green | Wiley |
| Scite | Article | Insufficient Sleep Duration and Overweight/Obesity among Adolescents in a Chinese Population | 2018 | 29 | OA | gold | MDPI |
| Scite | Article | Sleep duration and risk of obesity among a sample of Victorian school children | 2018 | 36 | OA | gold | Springer Nature |
| Scite | Case report | Case Report: Sleep Deprivation Presenting as Acute Psychosis * | 2018 | 1 | OA | gold | Mansa STM |
| Scite | Article | Partial Sleep Deprivation Reduces the Efficacy of Orexin-A to Stimulate Physical Activity and Energy Expenditure | 2017 | 20 | OA | bronze | Wiley |
| Scite | Review | Disturbances of sleep and circadian rhythms: novel risk factors for obesity | 2016 | 201 | OA | green | Wolters Kluwer |
| Scite | Article | Lack of sleep as a contributor to obesity in adolescents: impacts on eating and activity behaviors | 2016 | 275 | OA | gold | Springer Nature |
| Scite | Article | Acute partial sleep deprivation due to environmental noise increases weight gain by reducing energy expenditure in rodents | 2016 | 25 | OA | bronze | Wiley |
| Elicit | Article | Does sleep affect weight gain? Assessing subjective sleep and polysomnography measures in a population-based cohort study (CoLaus/HypnoLaus) | 2019 | 16 | OA | bronze | Oxford University Press |
| Elicit | Review | Experimental sleep restriction effect on adult body weight: a meta-analysis | 2019 | 12 | Non-OA | closed | Springer Nature |
| Elicit | Note | How sleep loss leads to weight gain ** | 2018 | n.a. | Non-OA | closed | AAAS |
| Elicit | Review | The epidemiology of sleep and obesity | 2017 | 333 | OA | green | Elsevier |
| Elicit | Review | Is sleep deprivation a contributor to obesity in children? | 2015 | 72 | Non-OA | closed | Springer Nature |
| Elicit | Article | Sleep debt and obesity | 2014 | 285 | OA | bronze | Taylor & Francis |

Scite vs. Elicit vs. Consensus vs. Scopus AI – A Breakdown of Works Included

| AI tool | Doc type | Title (highlighted are duplicates across different tools) | Pub year | GS Citations | OA | OA color (article level) | Publisher |
|-----------|--------------|--|----------|--------------|--------|--------------------------|-------------------------|
| Consensus | Editorial | Sleeping it off? The value of sleep in children treated for obesity | 2022 | 0 | OA | bronze | Wiley |
| Consensus | Review | Obesity and sleep disturbances: The "chicken or the egg" question | 2021 | 32 | Non-OA | closed | Elsevier |
| Consensus | Article | Is increased sleep duration effective for weight loss? | 2020 | 0 | Non-OA | closed | Wolters Kluwer |
| Consensus | Article | Does sleep affect weight gain? Assessing subjective sleep and polysomnography measures in a population-based cohort study (CoLaus/HypnoLaus) | 2019 | 16 | OA | bronze | Oxford University Press |
| Consensus | Note | How sleep loss leads to weight gain ** | 2018 | n.a. | Non-OA | closed | AAAS |
| Consensus | Article | The effects of partial sleep deprivation on energy balance: a systematic review and meta-analysis | 2017 | 214 | Non-OA | closed | Springer Nature |
| Consensus | Review | Sleep–obesity relation: underlying mechanisms and consequences for treatment | 2017 | 241 | Non-OA | closed | Wiley |
| Consensus | Review | Is sleep deprivation a contributor to obesity in children? | 2015 | 72 | Non-OA | closed | Springer Nature |
| Consensus | Article | What Role Does Sleep Play in Weight Gain in the First Semester of University? | 2015 | 52 | OA | green | Taylor & Francis |
| Consensus | Review | Does stress influence sleep patterns, food intake, weight gain, abdominal obesity and weight loss interventions and vice versa? | | 265 | Non-OA | closed | Wiley |
| Scopus AI | Review | Sleep Deprivation: Effects on Weight Loss and Weight Loss Maintenance | 2022 | 36 | OA | gold | MDPI |
| Scopus AI | Article | Sleep Disorders and Obesity in Childhood: A New Component in Solving Obesity | 2019 | 5 | Non-OA | closed | Springer Nature |
| Scopus AI | Review | Experimental sleep restriction effect on adult body weight: a meta-analysis | 2019 | 12 | Non-OA | closed | Springer Nature |
| Scopus AI | Book chapter | Insufficient sleep and obesity | 2019 | 3 | Non-OA | closed | Elsevier |
| Scopus AI | Article | Sleep debt and obesity | 2014 | 285 | OA | bronze | Taylor & Francis |
| Scopus AI | Article | A large prospective investigation of sleep duration, weight change, and obesity in the NIH-AARP diet and health study cohort | 2013 | 176 | OA | bronze | Oxford University Press |

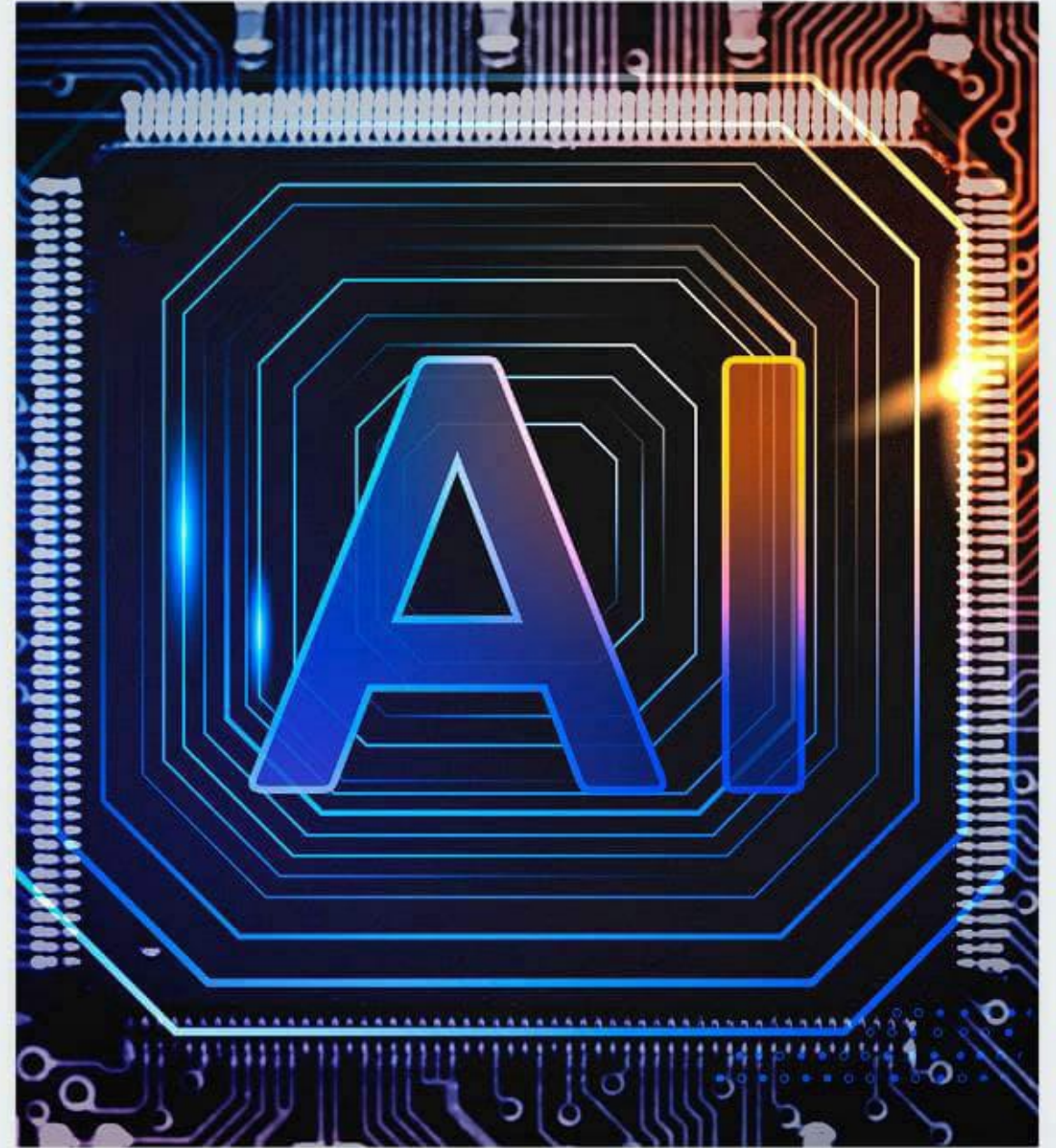
Comparing Four Tools in More Details

| | Scite (Assistant) | Elicit | Consensus (Copilot) | Scopus AI |
|--|--|---|--|--|
| Access & Fees | HKUST access (subscribed by library) | https://elicit.com (5000 free credits, life time) | https://consensus.app/ (20 credits per month for advanced AI features) | Currently on trial (till end of Mar 2024) |
| Role in assisting literature review | AI chatbot that can generate literature review with real citations in context | AI research assistant that can generate literature matrix and a review with real citations | AI academic search engine that can generate literature review with real citations | AI feature add-on in Scopus that can generate literature review with real citations from Scopus |
| Data sources for training the models | <ul style="list-style-type: none"> Abstracts from Semantic Scholar (200M papers) Full-text from OA articles Citation statements from non-OA articles (under publisher agreements) CrossRef | <ul style="list-style-type: none"> Abstracts from Semantic Scholar (200M papers) Full-text from OA articles | <ul style="list-style-type: none"> Abstracts from Semantic Scholar (200M papers) | <ul style="list-style-type: none"> Abstracts from Scopus (94M works) |
| Unique features | <ul style="list-style-type: none"> Provide context to citations: supporting or contrasting or mentioning Evidence from non-OA articles Extract original text from papers for source verification | <ul style="list-style-type: none"> Literature matrix, with self-defined info columns (e.g. sample size, population, study design) | <ul style="list-style-type: none"> "Search first, AI second" Label articles with study type, journal reputation, etc. Extract original text from papers to answer the question "Consensus Meter" for Yes/No questions to show distribution of supporting and contrasting evidence "Study Snapshot" to extract sample size, population, etc. | <ul style="list-style-type: none"> Topic experts (most productive authors in the field) Concept map Foundational papers (most cited relevant papers) |
| No. of references included in the summary | ~10 | 4 (8 for Plus users) Literature matrix can include more articles | 10 | 5-8 |
| Search filters | <ul style="list-style-type: none"> Publication year Journal No. of papers to consult | <ul style="list-style-type: none"> Publication year Study type Contain keywords in abstract - Has PDF (OA) | <ul style="list-style-type: none"> Publication year Study type OA Journal SJR Quartile Domain | Not available |
| Export references | Export to CSV, RIS, BibTeX | (Plus users only) Export to CSV, RIS, BibTeX | Export as CSV Cite as APA, etc. BibTeX | Export to CSV, RIS, BibTeX, Plain text |
| Save chat history | Auto save | Auto save | Need to save search and retrieve | Not available |

Comparison Summary

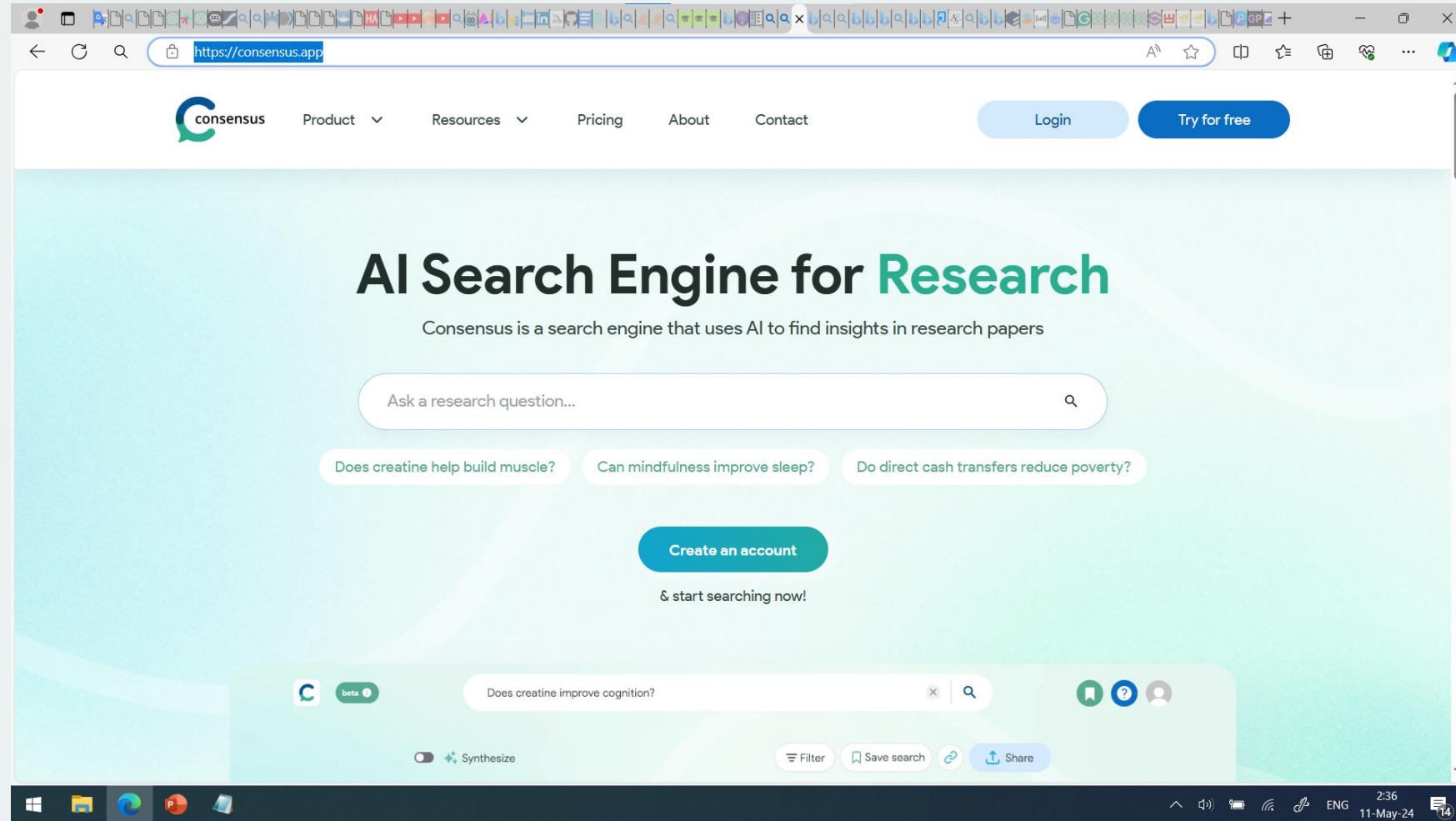
- ❑ AI tools like Scite, Elicit, Consensus, and Scopus AI can generate summaries and references quickly, but the accuracy and completeness of outputs vary.
- ❑ Generating accurate citations doesn't ensure their alignment with the arguments in the summary.
- ❑ These tools should be used as a starting point for research and not as a replacement for a thorough literature review. The information they generate should always be verified.

More of Interesting AI Tools used in Academic Research



consensus - AI Tool

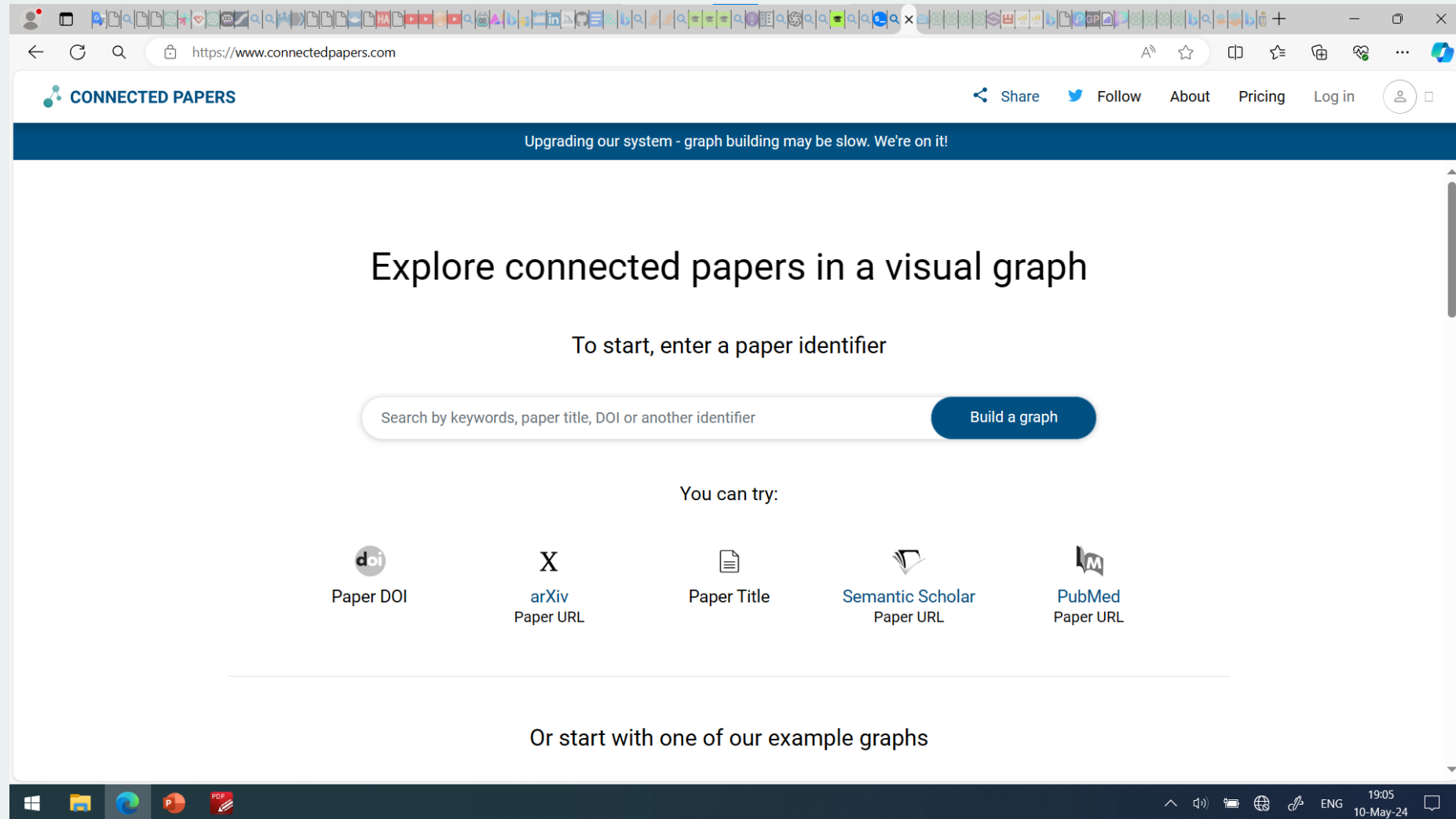
Specialized search engine for academics. Summarizes peer-reviewed articles into easy-to-understand summaries using AI algorithms. Efficient information retrieval during literature review stage, Access to Quality Sources.



<https://consensus.app/>

Connected Papers - AI Tool

A visual tool for discovering and exploring related research papers.



<https://www.connectedpapers.com/>

SciLynk - AI Tool

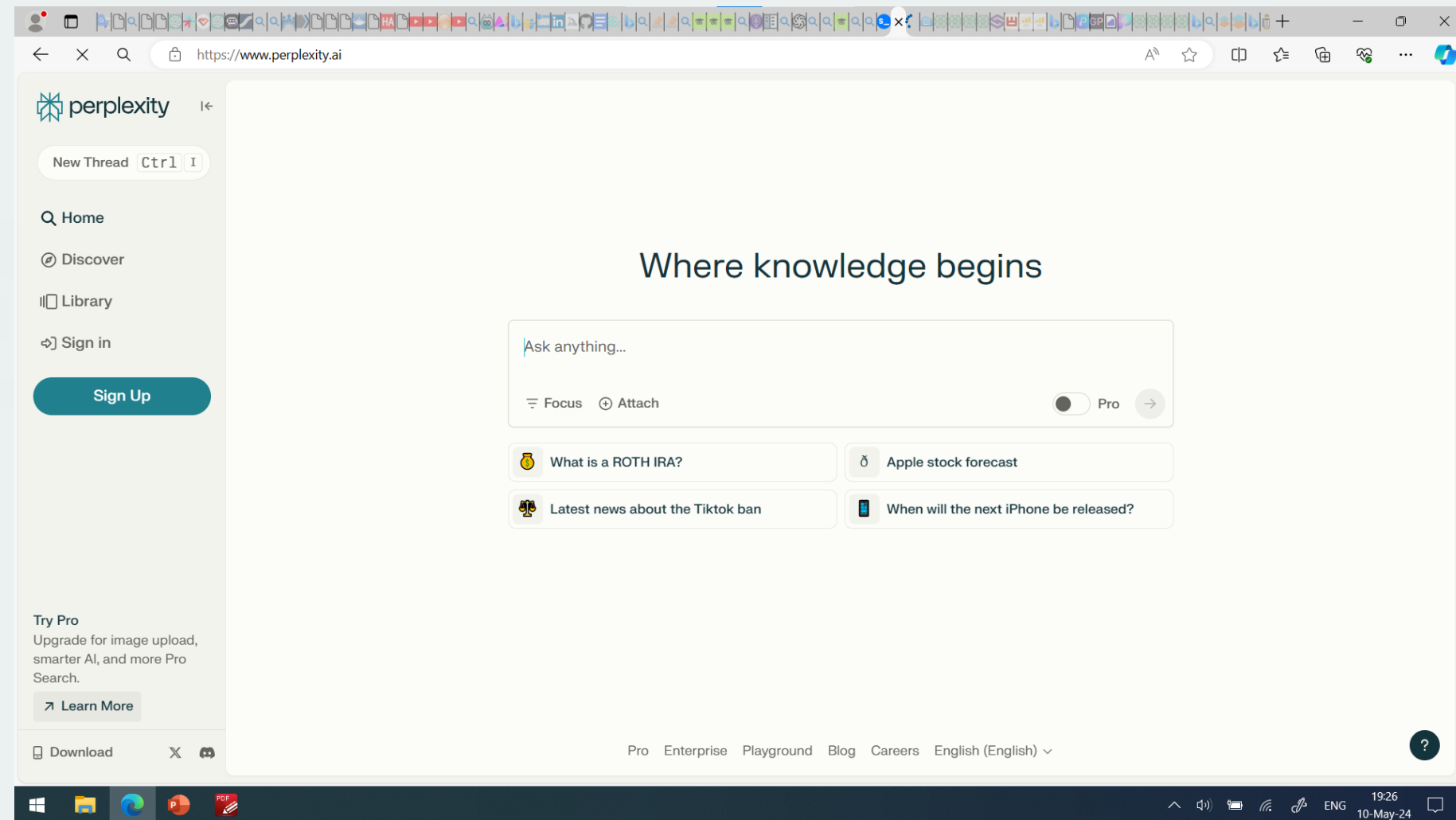
Answers your questions and cites its sources.

The screenshot displays the SciLynk website interface. At the top, there is a navigation bar with links for 'About', 'Blog', 'Changelog', 'Pricing', and 'Fellowship', along with 'Login' and a 'Get Started' button. The main content area features a large heading 'Accelerate Your Research Workflow' and a sub-heading 'Every minute counts. Leave behind archaic methods of finding, organizing, and analyzing research and let SciLynk handle it instead.' Below this, there are 'Get Started' and 'Learn more' buttons. The right sidebar shows a list of search results. The first result is titled 'Microglia innately develop within cerebral organoids' by Paul R. Ormel, Renata Araújo Gomes de Sá, Emma J. van Bodegraven, etc., published in Nature Communications on 10/8/2018. The second result is 'A Human Pluripotent Stem Cell-based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids' by Liulu Yang, Yuling Han, Benjar E. Nilsson-Payant, etc., published in Cell Stem Cell on 6/30/2020. The interface includes a search bar, a home icon, and a user profile icon.

<https://www.scilynk.com/>

perplexity - AI Tool

Allows users to ask questions in natural language. Ai responds with cites and sources.



<https://www.perplexity.ai/>

iris - AI Tool

Smart search with smart filters, reading list analysis, auto-generated summaries, autonomous extraction and systematizing of data.

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RW WAITING LIST GET IN TOUCH

The Researcher Workspace

A comprehensive platform for all your research processing: Smart search and a wide range of smart filters, reading list analysis, auto-generated summaries, autonomous extraction and systematizing of data.

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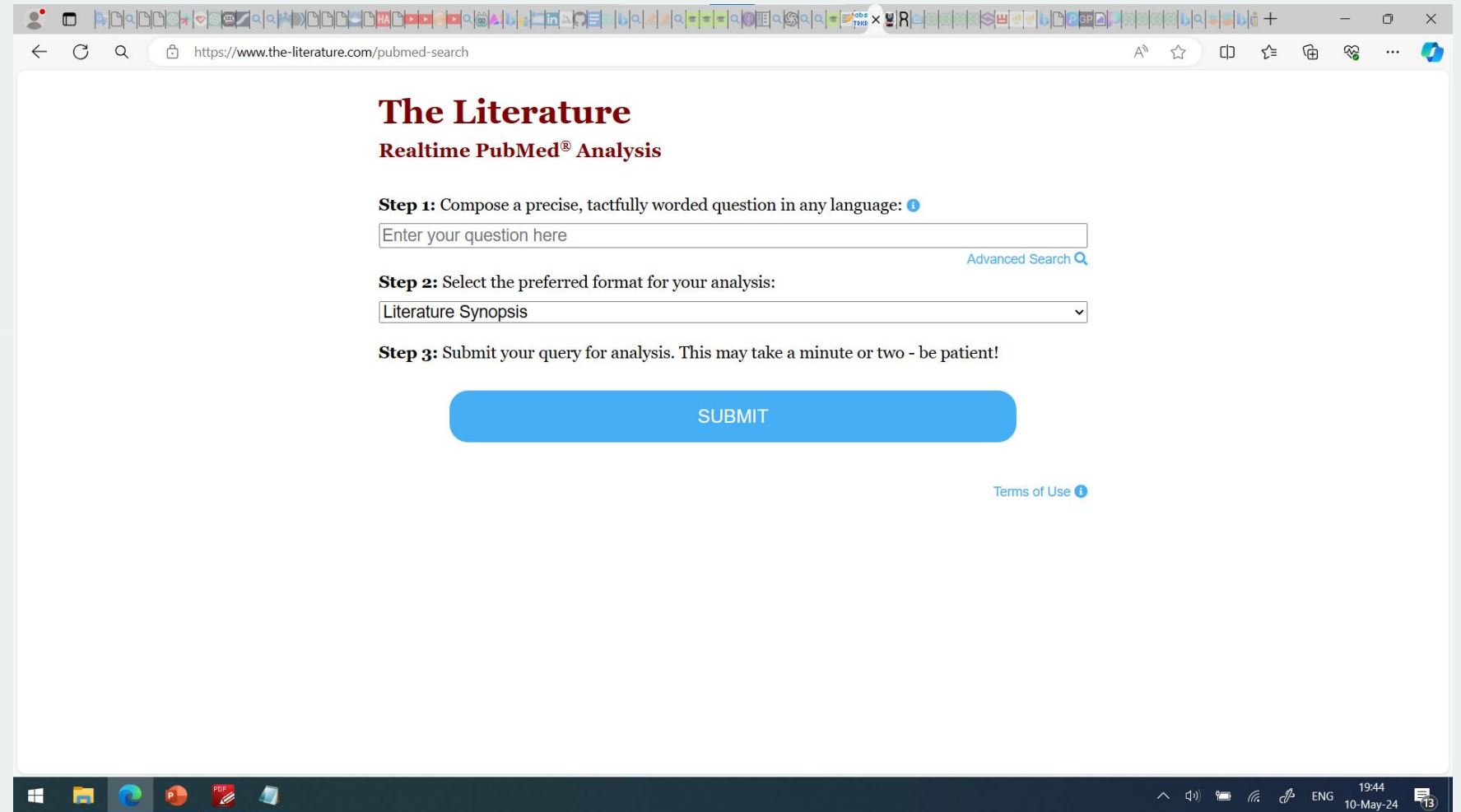
ACCEPT

19:28 10-May-24

<https://iris.ai/>

the-literature - AI Tool

Type your question and select what you'd like to receive: Synopsis, Lit Review, Numerical Statistical Analysis, Comparative Therapy Analysis, Study Curriculum, Board Exam Questions (all mainly re medical field).



The screenshot shows a web browser window with the URL <https://www.the-literature.com/pubmed-search>. The page title is "The Literature" and the subtitle is "Realtime PubMed® Analysis". The interface is divided into three steps:

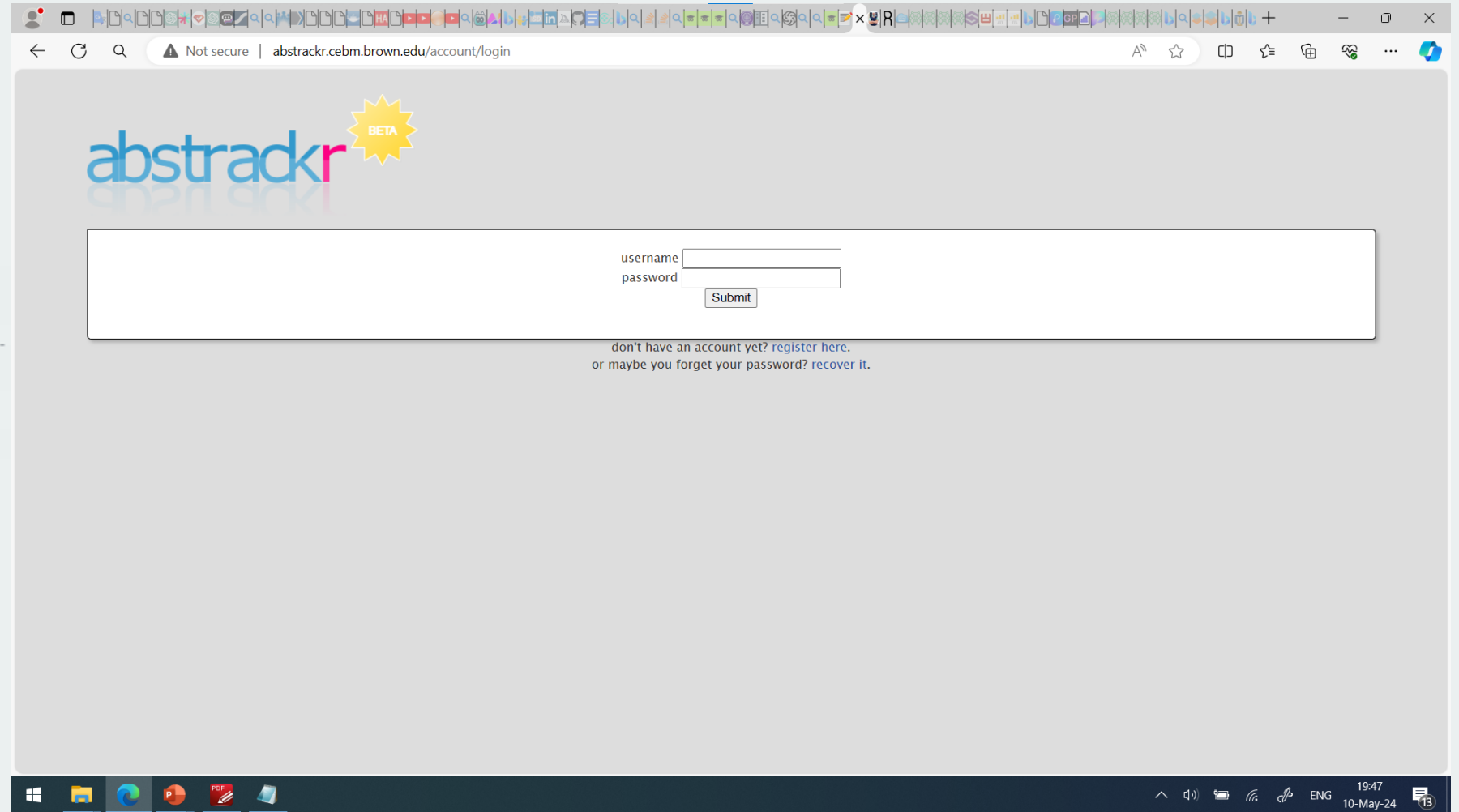
- Step 1:** Compose a precise, tactfully worded question in any language: [?](#)
A text input field contains the placeholder "Enter your question here". To the right of the field is a link for "Advanced Search" with a magnifying glass icon.
- Step 2:** Select the preferred format for your analysis:
A dropdown menu is currently set to "Literature Synopsis".
- Step 3:** Submit your query for analysis. This may take a minute or two - be patient!

A large blue "SUBMIT" button is centered below the form. At the bottom right of the page, there is a link for "Terms of Use" with an information icon.

<https://www.the-literature.com/pubmed-search>

abstrackr - AI Tool

An online tool for semi-automated abstract screening.

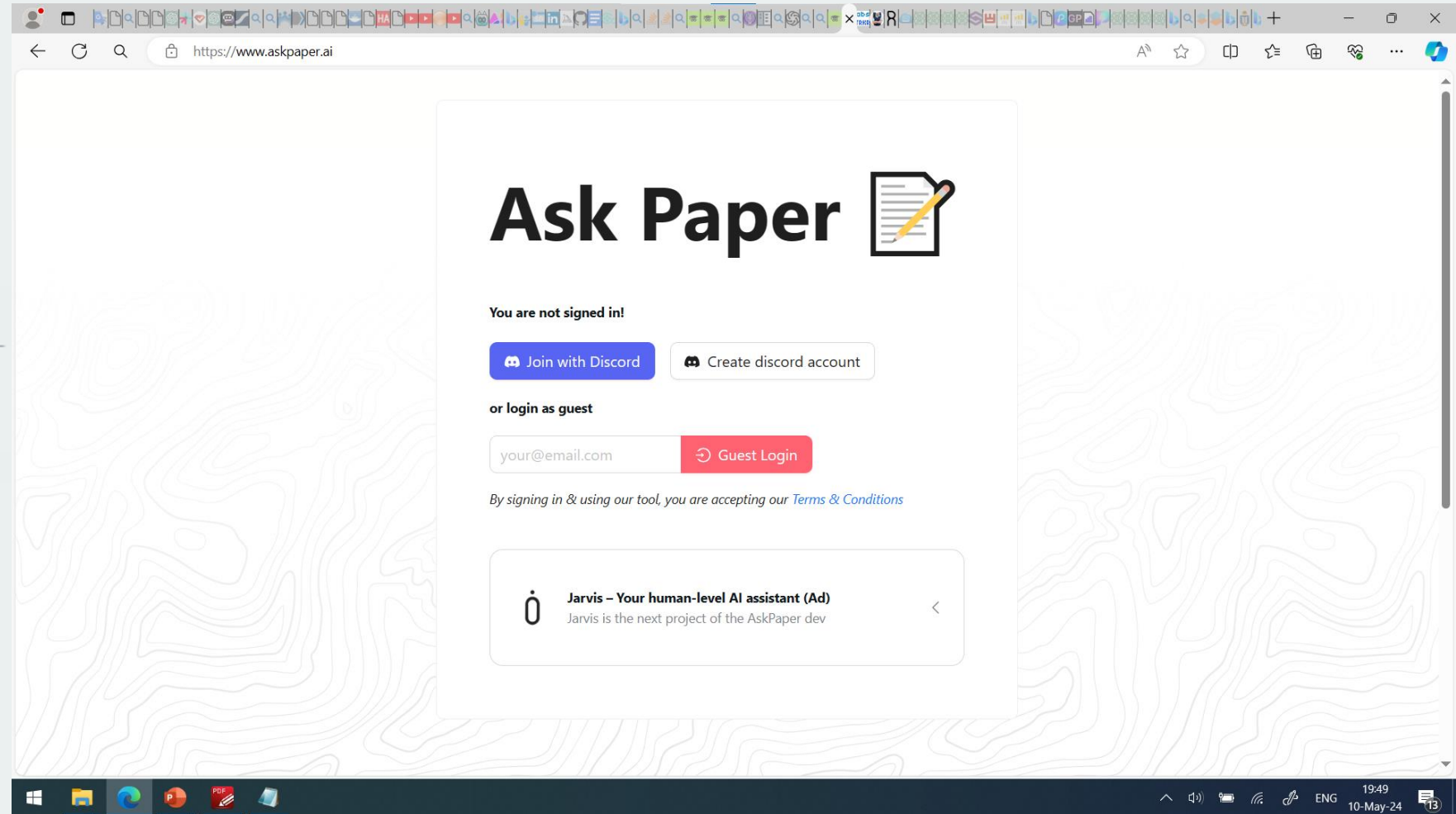


<http://abstrackr.cebm.brown.edu/account/login>

askpaper - AI Tool

By uploading papers either by URL or by uploading a PDF file, you can ask natural language questions about the paper.

Helps physicians and biomedical researchers to search for machine learning datasets in the medical research papers.



<https://www.askpaper.ai/>

searchsmart - AI Tool

Compare 92 academic databases and their search systems to identify the best databases for you.

The screenshot shows the searchsmart.org website interface. At the top, there is a navigation bar with a search bar containing "SCHOLARLY RECORDS DATABASES", and links for "Tutorials", "FAQ", "News", and a blue "Feedback" button. The main heading reads "Search the best databases in academia." Below this, a sub-heading states: "There are dozens of academic databases, each offering unique coverages and features. To identify the ones most suitable for you, please select:". The interface is divided into two main columns of filters. The left column, titled "Record types the databases must cover:", includes sections for "Record types" (with "Scholarly records" and "Clinical trials" buttons), "Coverage" (with "Subjects" and "Keywords" buttons), and "Subject coverage (0/26)" (with an "Arts and Humanities" checkbox). The right column, titled "Searches the databases must support:", includes "Default" (checked), "Systematic keyword searching" (unchecked), and "Backward citation searching" (unchecked). The website is viewed in a browser window with a Windows taskbar at the bottom.

[https://www.searchsmart.org/?~\(\)](https://www.searchsmart.org/?~())

AI-Plagiarism in Academic Research



Implications of AI Plagiarism in Academic Research

AI Plagiarism Can Result in Serious Consequences



Risk of Expulsion

Adverse impact on academic standing

01



Disciplinary Actions

Potential sanctions as per university policies

02



Academic Misconduct

Violation of ethical research practices

03



Preventing AI-Driven Plagiarism in Academic Research

Academic Integrity Policies at San Jose State University and Penn Foster



San Jose State
University Policy

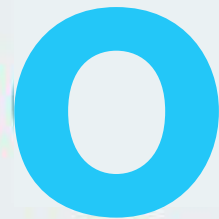
Strict prohibition of AI
usage for paper writing

Go gle CanVa



Penn Foster Policy
Zero-tolerance for AI-
based assignments

Cantfa in vision



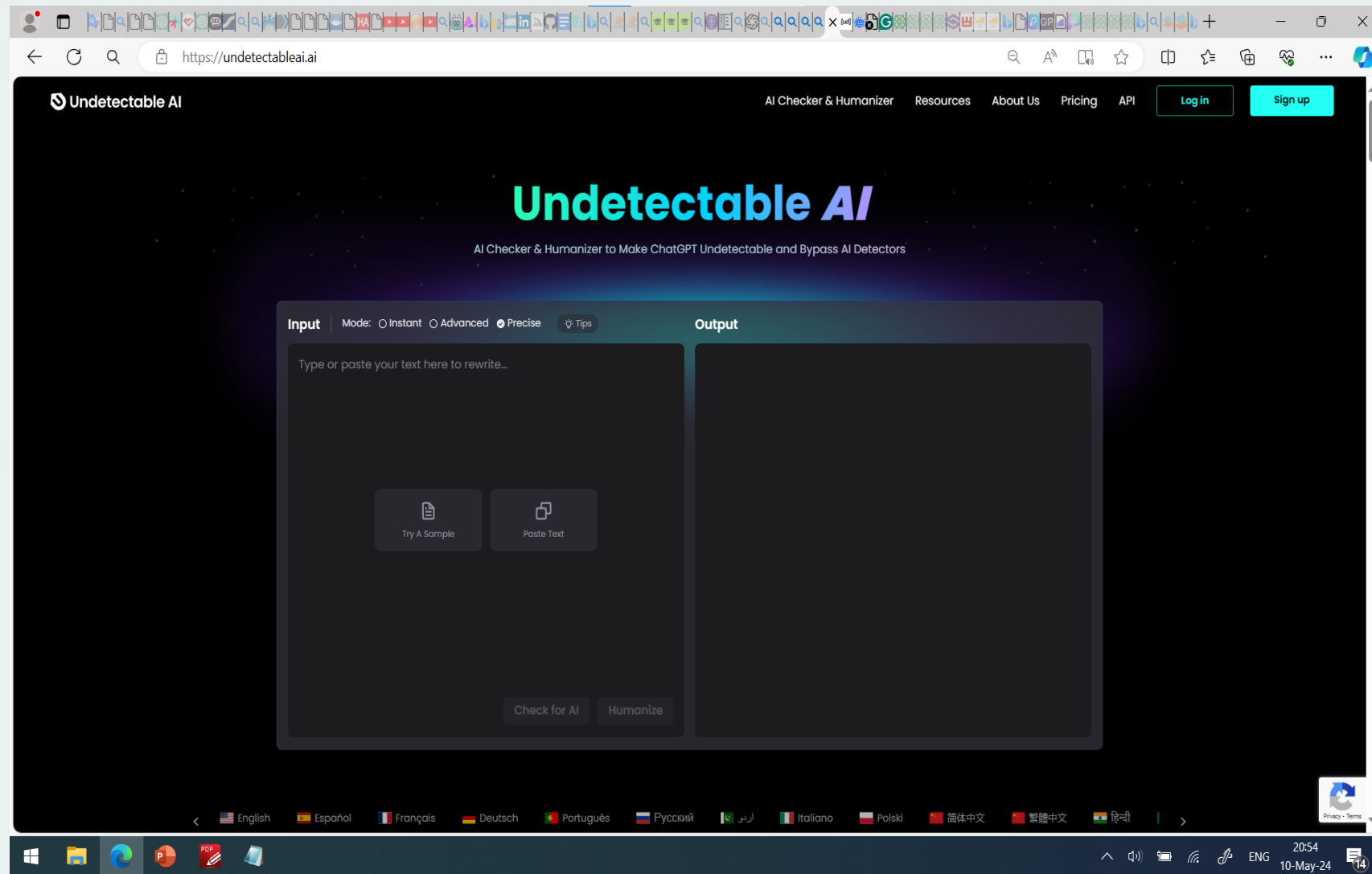
Impact of AI Usage
Undermines learning
and can lead to
disciplinary measures

in. vision Spotify



Undetectable - AI Tool

Undetectable AI is an all-in-one anti AI detection platform. It comes with an AI detector to check your text humanness, and an AI bypasser that can humanize AI text to effectively bypass AI detectors with zero plagiarism.



<https://undetectedai.ai/>

Turnitin - AI Tool

Most UK universities use is a web-based plagiarism prevention system called 'Turnitin'.

feedback studio WWW.ACADEMIC-ENGLISHUK.COM

Academic plagiarism at university

Plagiarism is presenting someone else's work or ideas as your own, with or without their consent, by incorporating it into your work without full acknowledgement. All published and unpublished material, whether in manuscript, printed or electronic form, is covered under this definition. Plagiarism may be intentional or reckless, or unintentional. Under the regulations for examinations, intentional or reckless plagiarism is a disciplinary offence (Oxford University, 2022).

1 Not all countries hold the same beliefs about personal ownership of language or ideas. While some, such as India and Poland, consider plagiarism to be a crime liable for imprisonment in other countries the reiteration of another professional's work can be a sign of respect or flattery. Students who move to the United States and other Western countries from countries where plagiarism is not frowned upon may find the transition difficult (Wikipedia, 2022)

3 It's possible to plagiarize any kind of creative or academic work. Copying another artist's work is a form of plagiarism, taking credit for another scientist's research is plagiarism, and copying another app's code and building your own with it without recognizing the original programmer is plagiarism. Basically, any act of presenting another person's work as your own is an act of plagiarism. Plagiarism comes in many forms. These seven types of plagiarism are the most common: complete plagiarism, direct plagiarism, paraphrasing plagiarism, self-plagiarism, patchwork plagiarism, source-based plagiarism and accidental plagiarism (Grammarly, 2022).

6 A serious form of plagiarism is called Contract cheating, where students recruit a third party to undertake their assignments, is frequently reported to be increasing, presenting a threat to academic standards and quality. Many incidents involve payment of the third party, often a so-called "Essay Mill," giving contract cheating a commercial aspect (Newton, 2018). Contract cheating is currently a concern for universities and the higher education (HE) sector. It has been brought into the spotlight in recent years through the growth of online essay mills, where students can easily commission and purchase written assessment responses (Medway, Roper & Gillooly, 2018).

4 Fortunately, Services offering to provide students with essays for money, known as essay mills, are to be made illegal under plans announced by the government today. The government intends to make it a

Match Overview

85%

| Rank | Source | Percentage |
|------|---|------------|
| 1 | en.m.wikipedia.org Internet Source | 13% |
| 2 | Submitted to RDI Dista... Student Paper | 12% |
| 3 | www.grammarly.com Internet Source | 12% |
| 4 | www.gov.uk Internet Source | 11% |
| 5 | www.aresearchguide.c... Internet Source | 10% |
| 6 | www.researchgate.net Internet Source | 8% |
| 7 | Submitted to Deer Vall... Student Paper | 7% |
| 8 | Submitted to University... Student Paper | 7% |
| 9 | Submitted to Northern ... Student Paper | 4% |
| 10 | instr.iastate.libguides.c... Internet Source | 2% |

WWW.ACADEMIC-ENGLISHUK.COM


AE Academic English UK

Page: 1 of 1 Word Count: 559 Text-Only Report High Resolution On

Best AI Plagiarism Checkers: Comparison

| # | Name of Tool | AI Detection | Conventional Plagiarism Detection | Free Version |
|----|-----------------|--------------|-----------------------------------|--------------|
| 1 | Undetectable AI | Yes | No | Yes |
| 2 | Turnitin | Yes | Yes | No |
| 3 | iThenticate | Yes | Yes | No |
| 4 | CopyScape | No | Yes | Yes |
| 5 | PlagScan | No | Yes | No |
| 6 | Copyleaks | Yes | Yes | No |
| 7 | Grammarly | No | Yes | No |
| 8 | GPTZero | Yes | No | Yes |
| 9 | GLTR | Yes | No | Yes |
| 10 | Originality AI | Yes | No | Yes |

Eight types of Academic plagiarism

|  Eight Types of Academic Plagiarism | | |
|--|---|--|
| | Type of plagiarism | Explanation |
| 1 | Direct Plagiarism (copying / verbatim) | <i>Direct plagiarism is the word-for-word transcription of a section of someone else's work, without attribution and without quotation marks. There is no in-text reference or evidence of the source in the reference list.</i> |
| 2 | Mosaic Plagiarism (patchwork) | <i>Mosaic plagiarism, or sometimes called 'patchwork writing' is when a student only paraphrases using a few synonyms for the author's language while keeping to the same general structure. There is an in-text reference, and the source is in the reference list.</i> |
| 3 | Source-based Plagiarism <small>WWW.ACADEMIC-ENGLISHUK.COM</small> | <i>Source-based plagiarism is using incorrect citing of a source. This can be simply referencing a source incorrectly or more seriously fabricating sources. It also includes utilizing a secondary source of information but only citing the primary source as a reference.</i> |
| 4 | Paraphrasing Plagiarism | <i>Paraphrasing plagiarism is the most common form of plagiarism. This is basically poor paraphrasing skills where a student lifts a direct phrase and either copies the whole phrase or changes just a few words. There is an in-text reference, and the source is in the reference list.</i> |
| 5 | Translation Plagiarism | <i>Translation plagiarism is relatively a new term. It means that individuals take the written content and translate it from one language into another.</i> <small>WWW.ACADEMIC-ENGLISHUK.COM</small> |
| 6 | Self-plagiarism (auto-plagiarism) | <i>Self-plagiarism occurs when a student submits his or her own previous work, or mixes parts of previous works, without permission from their professors involved.</i> |
| 7 | Accidental Plagiarism <small>WWW.ACADEMIC-ENGLISHUK.COM</small> | <i>Accidental plagiarism occurs when a person neglects to cite their sources, misquotes their sources or unintentionally paraphrases a source without attribution. This is still an academic offence.</i> |
| 8 | Plagiarism Commissioning | <i>Plagiarism commissioning, also known as contract cheating, is a serious academic offence, where another individual or company (essay writing service) completes the whole or part of an assessment on behalf of a student. It usually involves a financial transaction.</i> |

How to avoid plagiarism

The top ten tips to avoid academic plagiarism

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|-----------|---|
| 1 | Allow ample time for writing and revision. |
| 2 | Commit to doing your own work. |
| 3 | Learn how to paraphrase correctly. Take time to develop your skills in paraphrasing. |
| 4 | Learn how to cite correctly. Follow the university's referencing guide. |
| 5 | Create detailed notes to include exact connection of notes to sources. <small>WWW.ACADEMIC-ENGLISHUK.COM</small> |
| 6 | Compile your reference list as you do your research and write your paper. |
| 7 | Cite all your sources in your text as you write. |
| 8 | Don't guess the source of a paraphrase or quote. Check meticulously where the information came from. |
| 9 | If you use quotations (copy verbatim), use speech marks, and include the source. |
| 10 | When in doubt, always cite. |

References

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5. Robert Mulenga, et al. “Academic Integrity in Higher Education: Understanding and Addressing Plagiarism”, 2024, Acta Pedagogia Asiana 3(1)

THE END

Thank You