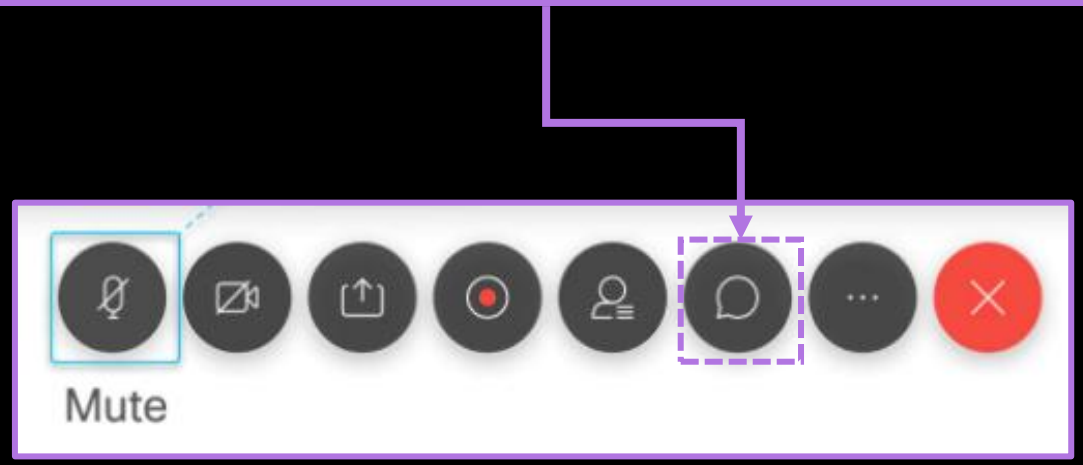
Vă mulțumesc pentru participare

Vom începe în scurt timp

Microfonul dvs. a fost dezactivat pentru a reduce zgomotul de fond.

Întrebările pot fi trimise prin **Chat**.



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Adriana Filip

Senior Manager
Customer Success Consulting

Adriana.Filip@clarivate.com

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Web of Science Research Assistant

Adriana FILIP | Mai 2026

Inteligența artificială în mediul academic

Bazat pe o multitudine de surse selectate cu grijă

Susținut de cadre riguroase de testare și evaluare a calității

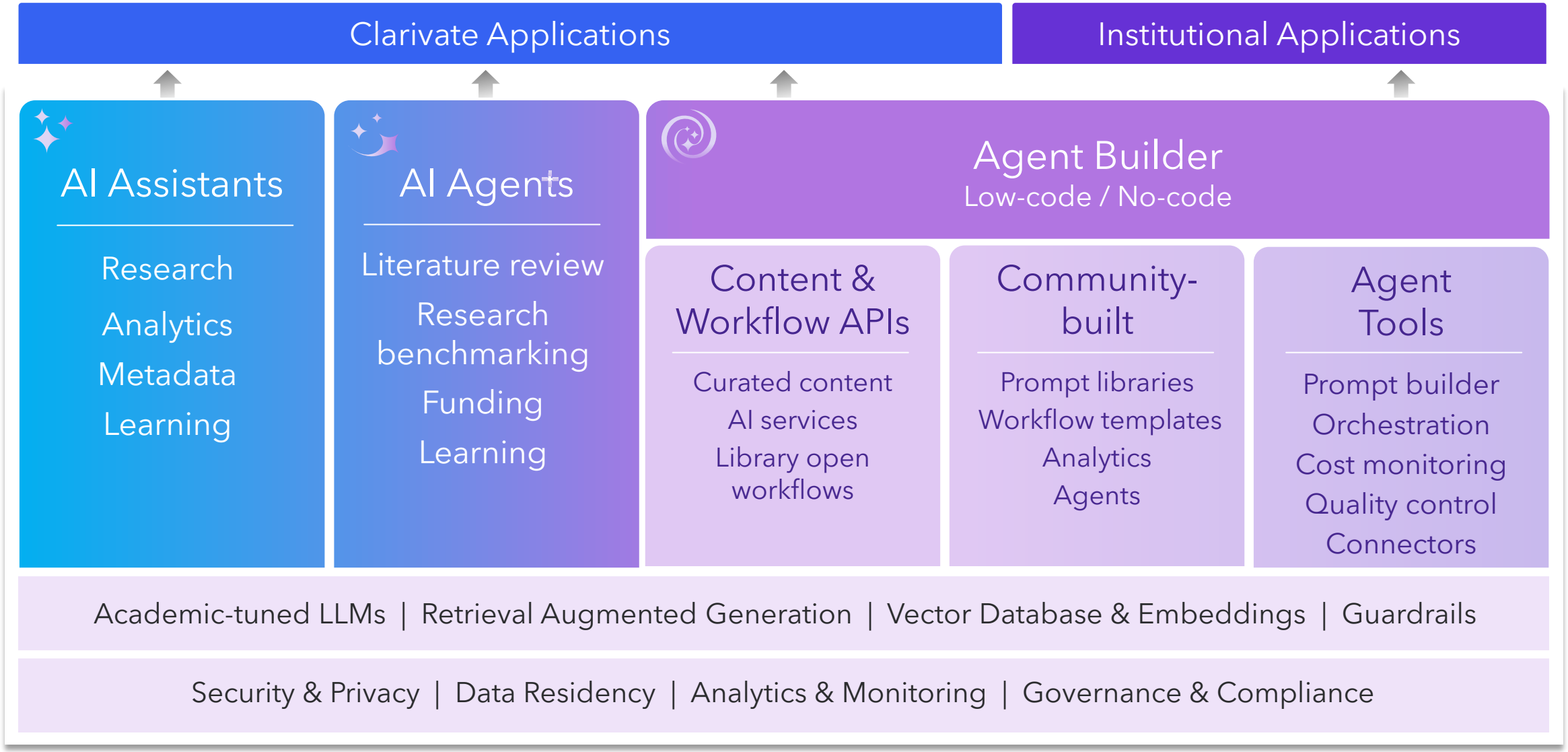
Ghidat de principii academice și transparență

Integrat în fluxurile de lucru din cercetare, învățământ și bibliotecă

Conceput pentru a susține integritatea academică

Dezvoltat în strânsă colaborare cu comunitatea academică

Platforma Clarivate Academic AI



Platforma Clarivate Academic AI

Infrastructura tehnologică

Produse A&G

Operațiuni de conținut

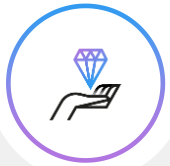
Cazuri de utilizare academică
Research Assistants | Metadata Assistants | Analytic Assistants | Image Assistants

Servicii de bază ale platformelor
RAG | Embedding Vector Database | Secured LLM Access

Servicii AI furnizate de terți

Conținut selectat de Clarivate

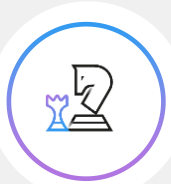
+ Practici și expertiză în domeniul IA



Cele mai bune practici și linii directoare

Metodologia de testare și evaluare

Instrumente pentru programatori



Consultanță tehnică promptă

Clarivate™

Cum Web of Science utilizează tehnologia AI

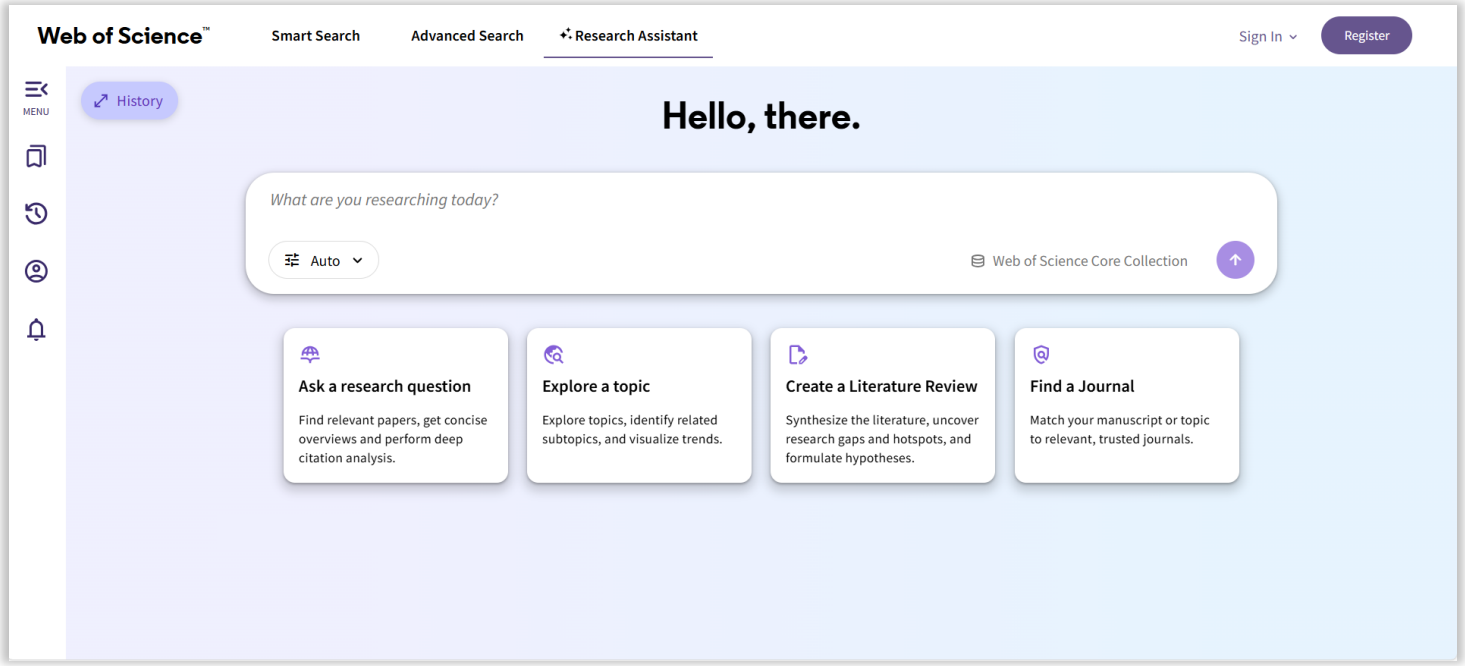
Tehnologie:	Clasică	IA	IA agentică
	Advanced Search	**Smart Search**	**Research Assistant**
Nivelul de competență	De la intermediar la expert	Începător până la intermediar	Toate nivelurile
Stilul de introducere a căutării	Logică booleană, interogări cu câmpuri	Expresii, cuvinte cheie sau entități	Întrebări și sugestii pentru conversație
Moduri de căutare	Numai boolean	Boolean + Semantic	Limbaj natural + sarcini ghidate
Utilizarea IA	Fără AI; construirea manuală a interogărilor	Învățare automată, căutare semantică, recunoaștere de entități, corectare automată, suport multilingv	IA generativă, IA agentică
Flexibilitatea interogării	Scăzut. Necesită sintaxă precisă și cunoștințe de specialitate	Ridicat. Recunoaște subiectele, autorii, instituțiile; înțelege intenția	Foarte ridicat. Interpretează intenția, ghidează rafinarea interogării, oferă în mod proactiv interogări conexe
Optimizat pentru	Precizie, reproductibilitate, revizuiri sistematice	Descoperire rapidă, găsirea conținutului asociat, localizarea autorilor și a articolelor	Synthèse littéraire, exploration d'un sujet inconnu, formulation d'hypothèses, analyse sommaire
Multilingv	Nu	Da (traducere interogare și rezumat)	Da (introducere și rezumate în mai multe limbi)
Vizualizări	Analyze Results	Co-citation maps + Analyze Results	Hărți tematice, grafice de tendințe, rețele de co-citare, rețele de co-autori, diagrame comparative
Transparență	Logică complet manuală, transparentă	Utilizatorul poate comuta între rezultate booleene și semantice	AI explică raționamentul și permite utilizatorilor să valideze pașii

Clarivate™

Web of Science Research Assistant

Web of Science Research Assistant

Inteligența artificială agentică, bazată pe metadate selectate, cu o experiență de încredere

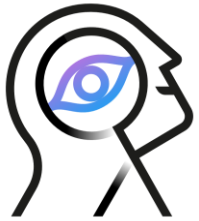


Profitați de interacțiunile dvs. cu datele de încredere din Web of Science Core Collection

- ✓ *Descoperire inteligentă*
- ✓ *Indicații bazate pe task-uri*
- ✓ *IA responsabilă*

Clarivate

Mai puțin timp pentru crearea interogărilor și mai mult timp pentru rezultate



- ✓ Căutați eficient folosind limbajul natural și interogări multilingve

- ✓ Înțelegeți rapid conceptele de bază cu ajutorul rezumatelor

- ✓ Descoperiți conexiuni cu ajutorul vizualizărilor dinamice

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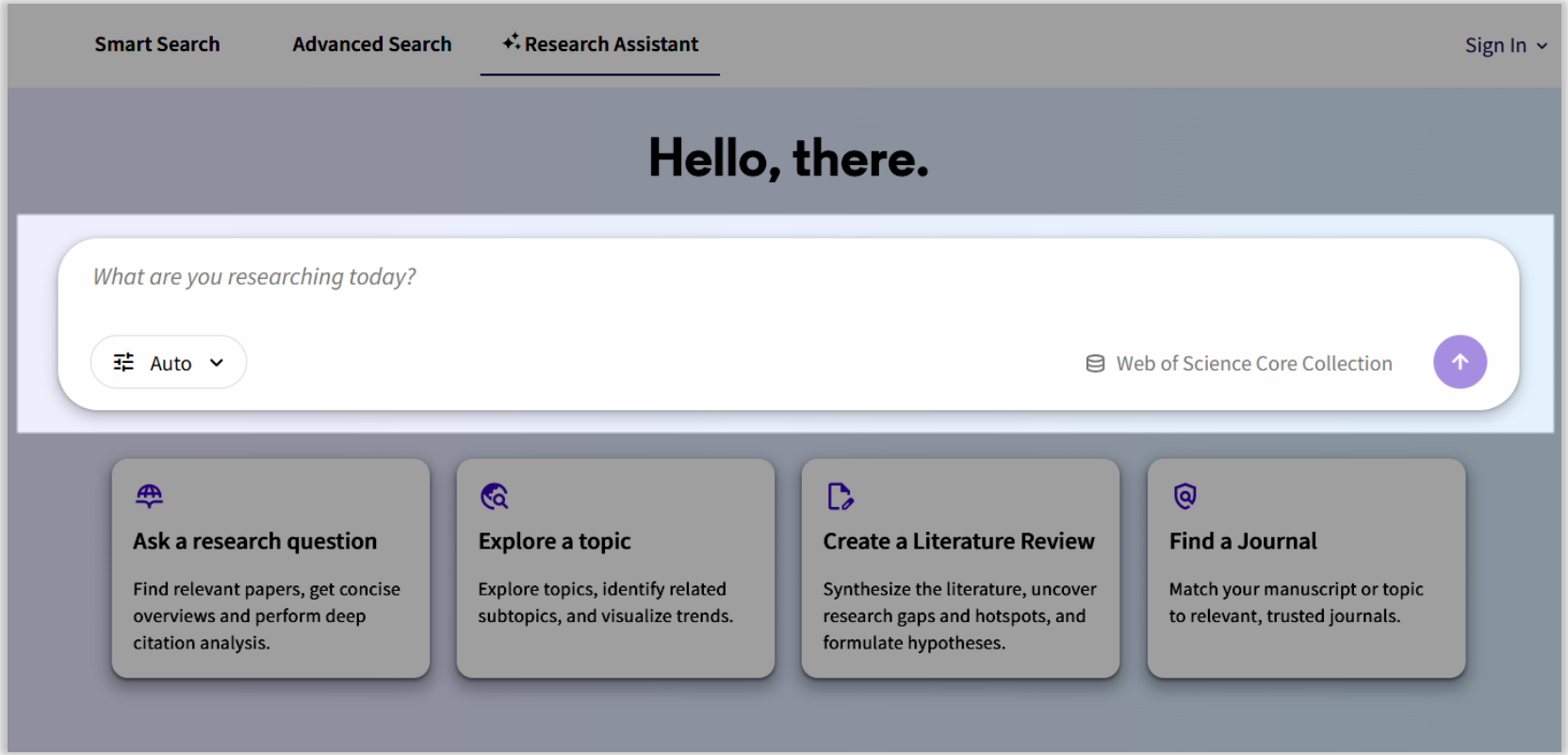
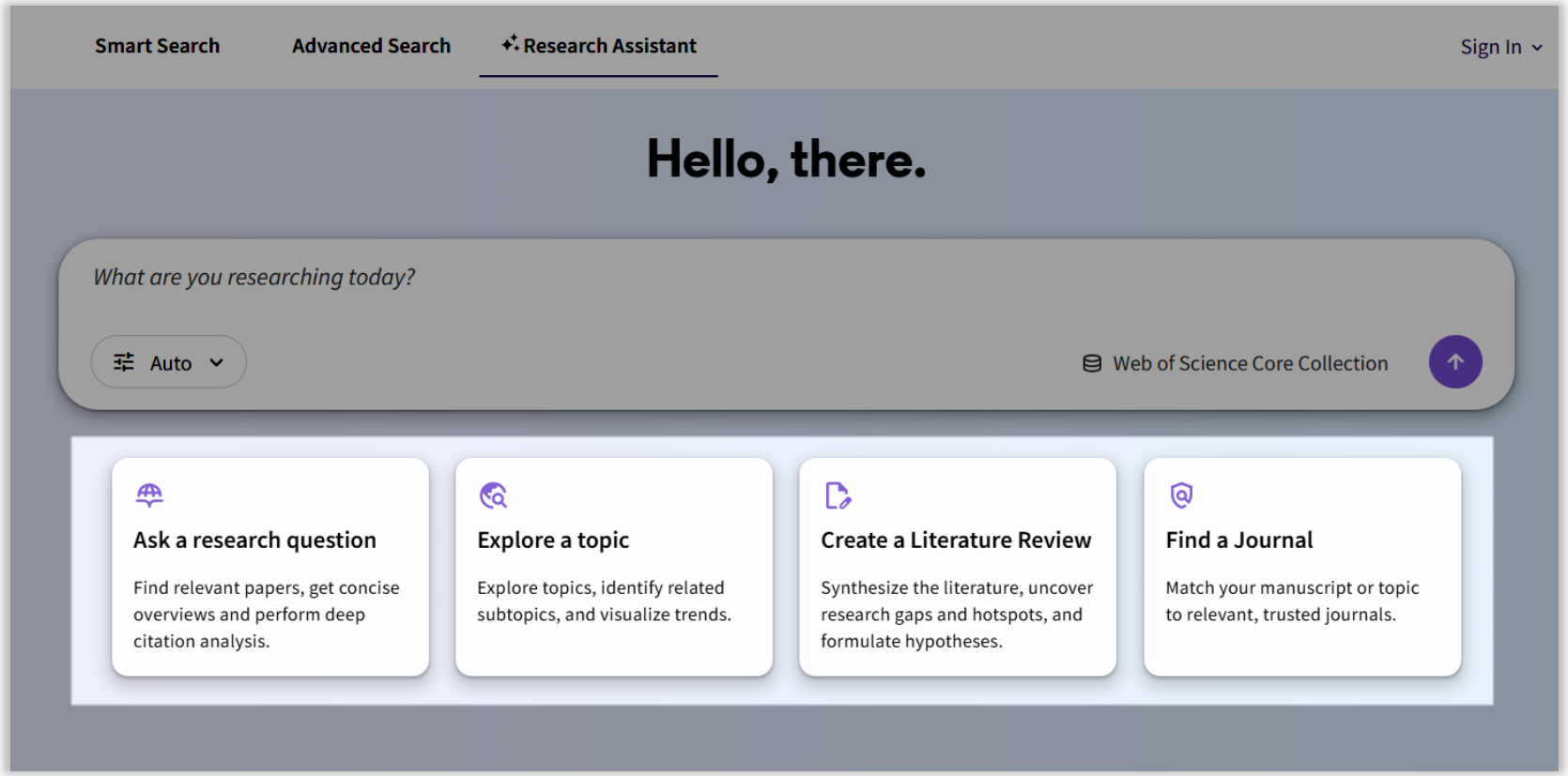
Un punct de acces unic

Opțiune de pornire rapidă pentru orice întrebare de cercetare



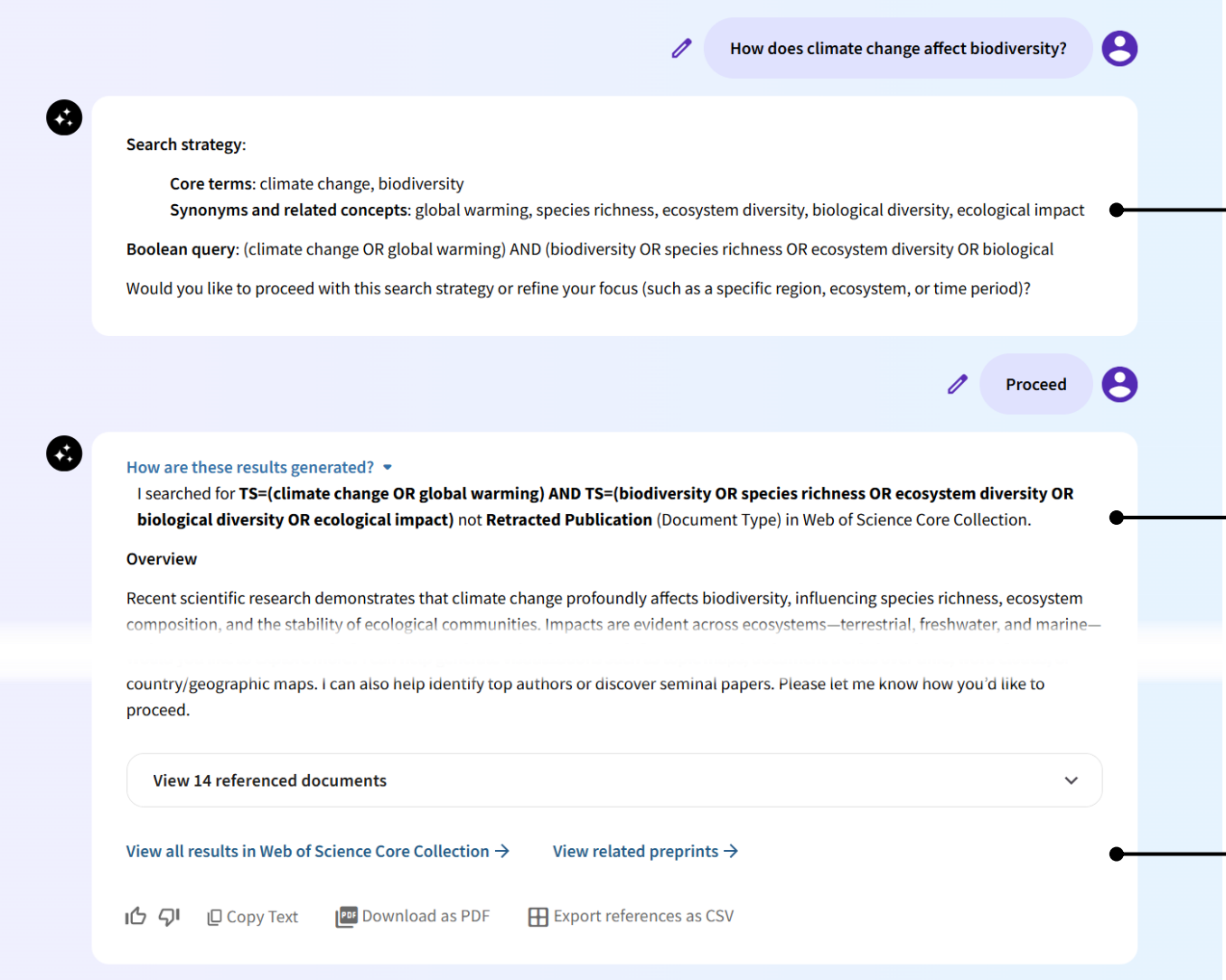
- Un singur punct de plecare conversațional care se adaptează la întrebăre.
- Instrumentele și contextul potrivite la momentul potrivit.
- Elimină necesitatea ca utilizatorii să aleagă din start un instrument sau un flux de lucru.

Ghiduri alimentate de inteligență artificială agentică



- Ghidurile oferă puncte de pornire alternative și sugestii.
- Suport pentru diferite stiluri de cercetare – începeți dintr-un ghid sau din punctul de acces unificat

Transparența înainte și după efectuarea căutării



Verificați interogările înainte de a le rula

Vedeți cum este interpretată o întrebare, inclusiv termenii, conceptele și logica propuse.

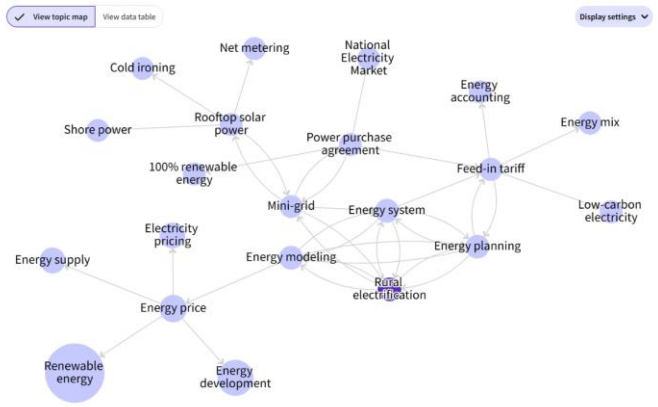
Vedeți cum au fost generate rezultatele

Vizualizați interogarea complet structurată care stă la baza răspunsului, pentru a o putea documenta și partaja.

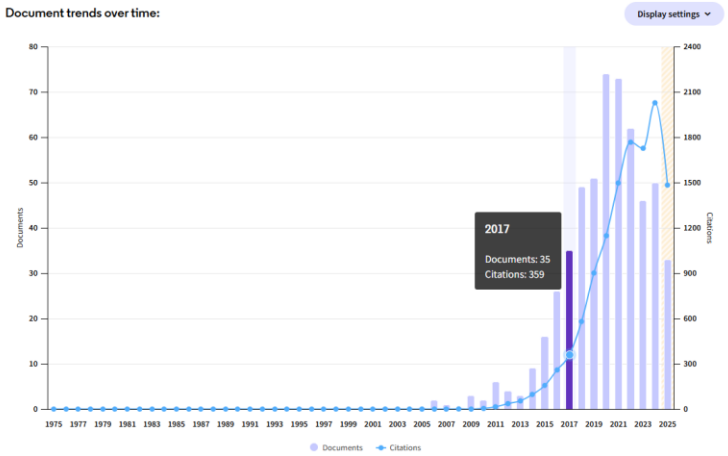
Accesați setul complet de rezultate

Dați clic pentru a începe să răsfoiți, să filtrați sau să exportați setul complet de rezultate.

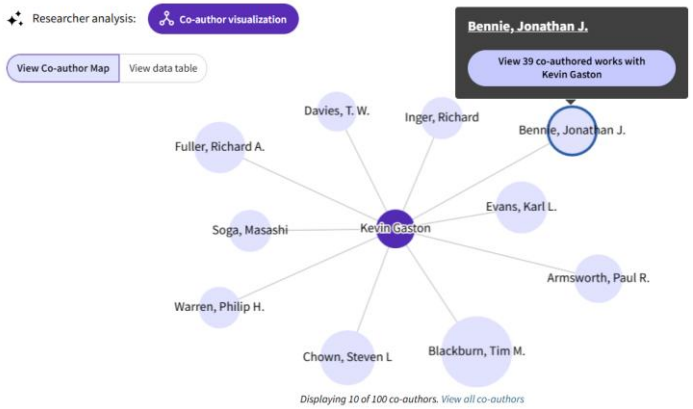
Descoperirea conexiunilor relevante cu vizualizări dinamice



Explorați subiecte conexe pentru a restrânge sau a extinde căutarea



Identificați tendințele dintr-un anumit domeniu pentru a vă ajuta să vă stabiliți direcția de cercetare



Generați rețele pentru a vizualiza legăturile dintre persoane și lucrări

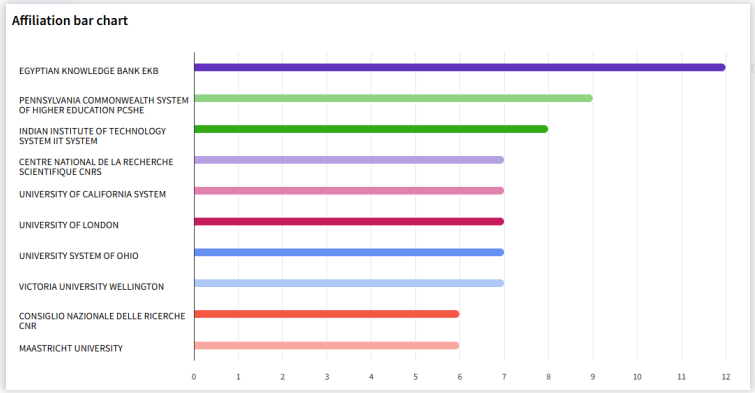
Explorarea subiectelor interdisciplinare

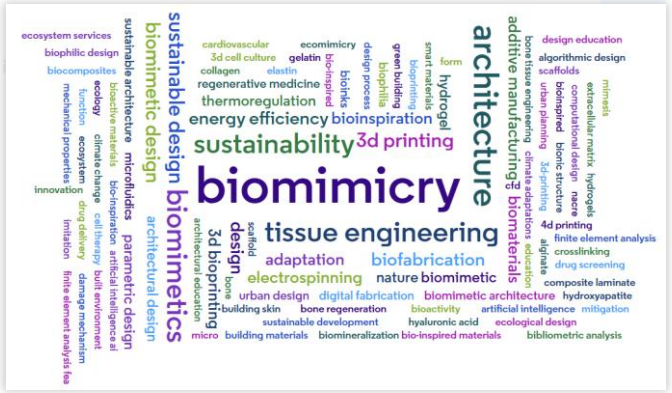
What is biomimicry in architecture?

Biomimicry in architecture is an interdisciplinary design approach that draws inspiration from nature's forms, processes, and systems to solve challenges in the built environment, especially those related to sustainability and energy efficiency. Instead of simply imitating natural shapes (biomorphosis), biomimicry goes further by emulating how living organisms function and adapt, aiming to create buildings and urban spaces that are regenerative and responsive. Applications range from materials and facades that mimic biological strategies for thermoregulation, water management, and daylighting, to structural solutions inspired by natural efficiency. This approach integrates ecological principles to address environmental concerns such as carbon footprint reduction, resource optimization, and climate adaptation. Biomimicry in architecture also encourages participatory, ecological, and feminist perspectives, promoting diverse and inclusive solutions for regenerative built environments. Challenges in mainstreaming biomimicry include abstract definitions, lack of implementation knowledge, and the need for interdisciplinary collaboration to bridge gaps between academia and practice.

Topics and Subtopics:

- **Biomimicry in Architecture** (sustainable design, regenerative architecture, biomimetic materials)
- **Biomimetic Materials and Facades** (thermoregulation, water management, daylighting)
- **Biomimicry in Urban Planning** (regenerative cities, nature-inspired urban policies, participatory design)
- **Biomimicry in Interior Design** (eco-materials, curriculum integration, visualization)
- **Landscape Architecture and Biomimicry** (ecological responsibility, sustainable landscape, esthetic integration)
- **Biomimicry in Education** (design curriculum, experiential learning, student projects)
- **Historical Biomimicry** (biomorphosis, traditional architecture, sustainability pioneers)
- **Biomimicry and Energy Efficiency** (building envelopes, passive cooling, climate adaptation)
- **Biomimicry and Digital Design** (algorithmic design, computational modeling, 3D printing)
- **Challenges and Opportunities** (interdisciplinary collaboration, knowledge gaps, policy integration)





- **Descoperiți conceptele cheie** pentru a vă familiariza rapid cu structura unui domeniu de cercetare.
- **Analizați domeniul** pentru a identifica tendințele și oportunitățile.
- **Perfecționați în mod interactiv direcția de cercetare** cu ajutorul sugestiilor bazate pe inteligență artificială.

Elaborarea analizelor bibliografice structurate

- **Afinați întrebarea** și elaborați o strategie de căutare eficientă.
- **Sintetizați rapid** literatura de specialitate și identificați lacunele de cunoaștere.
- **Elaborați ipoteze** care să contribuie la progresul domeniului dvs.

Clarivate™

I have gathered the necessary data for 50 articles related to the economic impacts of microgrids for power in South America. I will now proceed to create a detailed literature review based on these articles. Please give me a moment to compile this information into a comprehensive review.

Literature Review on the Economic Impacts of Microgrids for Power in South America

Introduction

Microgrids are increasingly recognized as a viable solution for enhancing energy access and sustainability in South America. These systems, which integrate renewable energy sources with local energy storage and management, offer potential economic benefits such as cost savings, improved energy security, and economic development in off-grid and rural areas. This review synthesizes recent research on the economic impacts of microgrids in South America, highlighting key findings, common themes, gaps in research, and future research directions.

Common Themes/Key Findings

- **Cost-Effectiveness and Financial Models**: Many studies emphasize the cost-effectiveness of microgrids, particularly in remote areas where traditional grid extension is economically unfeasible. For instance, Aguilar-Jimenez et al. (2025) demonstrated the viability of photovoltaic microgrids with battery storage in rural Mexican communities, achieving significant cost savings compared to grid extension [Aguilar-Jimenez et al., 2025].
- **Integration with Renewable Energy**: The integration of renewable energy sources, such as solar and wind, into microgrids is frequently highlighted as a key factor in reducing operational costs and enhancing sustainability. Ahmad and Zhang (2021) explored the techno-economic feasibility of renewable integration in grid-connected and islanded microgrids, showing substantial cost reductions through optimized renewable energy configurations [Ahmad and Zhang, 2021].
- **Economic Sustainability and Policy Implications**: Studies like those by Arango-Manrique et al. (2021) focus on the role of policy in ensuring the economic sustainability of microgrids. They propose business models that integrate government incentives to attract private investment and support rural electrification efforts in Colombia [Arango-Manrique et al., 2021].
- **Market Dynamics and Energy Trading**: Research by Madler et al. (2023) highlights the economic benefits of peer-to-peer energy trading within microgrids, which can lower electricity costs and enhance economic resilience. This approach is particularly beneficial in decentralized energy markets [Madler et al., 2023].

Gaps in Research

- **Long-term Economic Impact Studies**: While many studies provide short-term economic analyses, there is a lack of longitudinal studies assessing the long-term economic impacts and sustainability of microgrids in South America.
- **Diverse Geographical Settings**: Research predominantly focuses on specific regions, leaving a gap in understanding the economic impacts across diverse geographical settings within South America.
- **Integration with National Grid Systems**: The economic implications of integrating microgrids with existing national grid systems remain underexplored, particularly in terms of regulatory challenges and economic benefits.
- **Comprehensive Policy Evaluations**: There is a need for comprehensive evaluations of existing policies and their economic impacts on microgrid development and deployment in the region.

Conclusion

Microgrids present a promising solution for addressing energy access and sustainability challenges in South America. The economic benefits, particularly when integrating renewable energy sources, are well-documented. However, further research is needed to understand long-term impacts, optimize integration strategies, and evaluate policy frameworks comprehensively.

Potential Hypotheses

1. Integration of microgrids with renewable energy sources significantly reduces operational costs compared to traditional energy systems.
2. Government incentives and supportive policies are crucial for the economic sustainability of microgrids in rural South American communities.
3. Peer-to-peer energy trading within microgrids enhances economic resilience and reduces electricity costs.
4. The economic benefits of microgrids are maximized when integrated with national grid systems, provided regulatory challenges are addressed.
5. Long-term economic impacts of microgrids vary significantly across different geographical and socio-economic contexts in South America.

Referenced Documents

- Aguilar-Jimenez, J. A., Islas-Pereda, S., & Perez de Alva, N. A. (2025). Technical and Economic Analysis of an Off-Grid Microgrid with Solar PV and Battery Storage: A Case Study for Rural Communities in Mexico. *Proceedings of the VII Ibero-American Congress of Smart Cities, ICSC-CITIES 2024*. [Aguilar-Jimenez et al., 2025]
- Ahmad, T., & Zhang, D. D. (2021). Renewable energy integration/techno-economic feasibility analysis, cost/benefit impact on islanded and grid-connected operations: A case study. *Renewable Energy*. [Ahmad and Zhang, 2021]
- Arango-Manrique, A., Lopez-Garcia, D., & Carvajal-Quintero, S. X. (2021). Business Model Proposal for Energy Transition towards Operational and Economic Sustainability for Rural Electrification: Colombian Case. *Sustainability*. [Arango-Manrique et al., 2021]
- Madler, J., Harding, S., & Weibelzahl, M. (2023). A multi-agent model of urban microgrids: Assessing the effects of energy-market shocks using real-world data. *Applied Energy*. [Madler et al., 2023]

Note: Some articles used for background information and context were not directly cited in this review but contributed to the comprehensive understanding of the topic.

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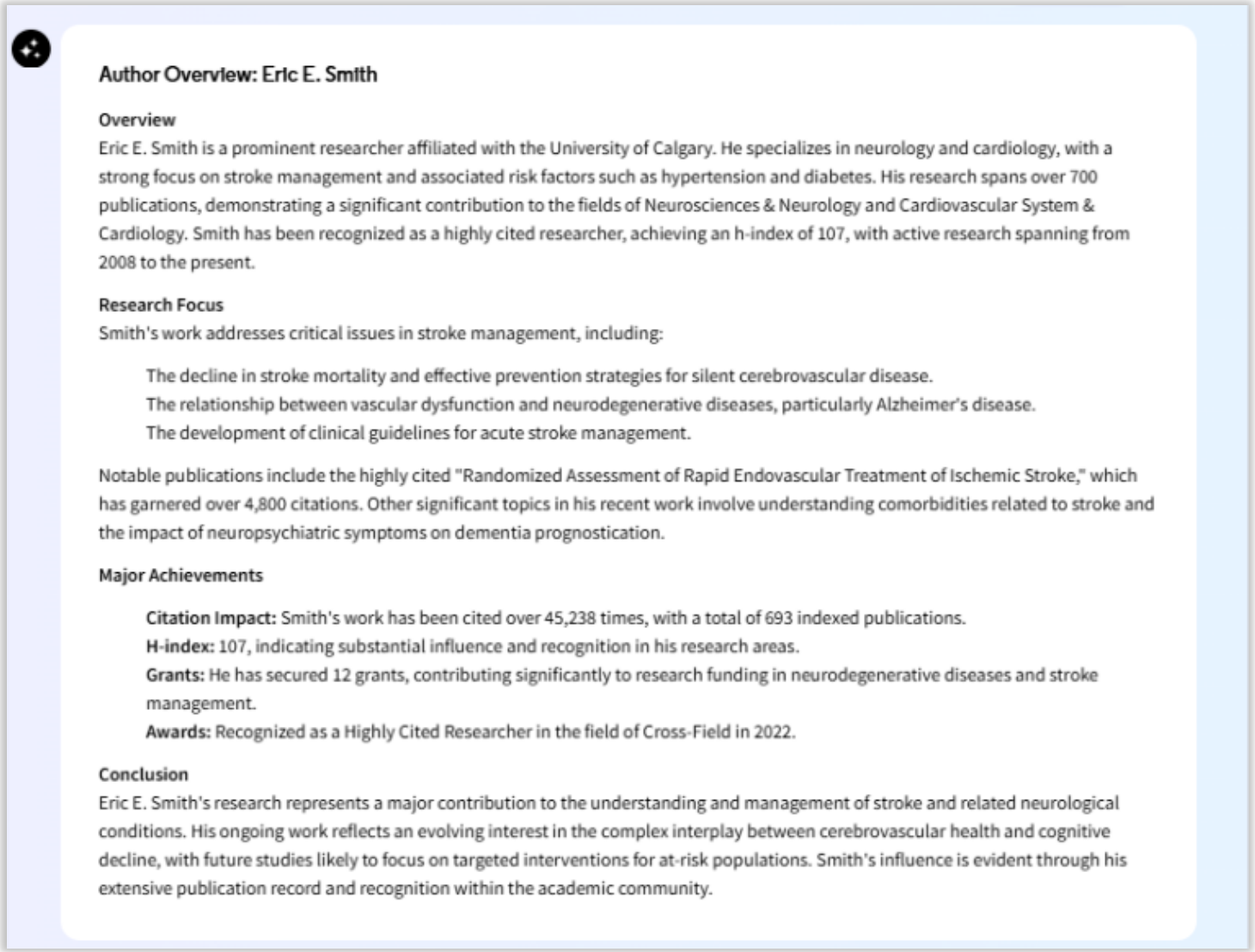
Interpretarea facilă a expertizei și influenței unui autor



Author Overview: Eric E. Smith

Overview

Eric E. Smith is a prominent researcher affiliated with the University of Calgary. He specializes in neurology and cardiology, with a strong focus on stroke management and associated risk factors such as hypertension and diabetes. His research spans over 700 publications, demonstrating a significant contribution to the fields of Neurosciences & Neurology and Cardiovascular System & Cardiology. Smith has been recognized as a highly cited researcher, achieving an h-index of 107, with active research spanning from 2008 to the present.

Research Focus

Smith's work addresses critical issues in stroke management, including:

- The decline in stroke mortality and effective prevention strategies for silent cerebrovascular disease.
- The relationship between vascular dysfunction and neurodegenerative diseases, particularly Alzheimer's disease.
- The development of clinical guidelines for acute stroke management.

Notable publications include the highly cited "Randomized Assessment of Rapid Endovascular Treatment of Ischemic Stroke," which has garnered over 4,800 citations. Other significant topics in his recent work involve understanding comorbidities related to stroke and the impact of neuropsychiatric symptoms on dementia prognostication.

Major Achievements

- **Citation Impact:** Smith's work has been cited over 45,238 times, with a total of 693 indexed publications.
- **H-index:** 107, indicating substantial influence and recognition in his research areas.
- **Grants:** He has secured 12 grants, contributing significantly to research funding in neurodegenerative diseases and stroke management.
- **Awards:** Recognized as a Highly Cited Researcher in the field of Cross-Field in 2022.

Conclusion

Eric E. Smith's research represents a major contribution to the understanding and management of stroke and related neurological conditions. His ongoing work reflects an evolving interest in the complex interplay between cerebrovascular health and cognitive decline, with future studies likely to focus on targeted interventions for at-risk populations. Smith's influence is evident through his extensive publication record and recognition within the academic community.

- **Obțineți o imagine contextuală** asupra expertizei, domeniilor de cercetare și evoluției activității de-a lungul timpului
- **Înțelegeți influența** în cadrul unui domeniu și între domenii.
- **Folosiți profilurile selectate** pentru a facilita identificarea colaboratorilor și selectarea evaluatorilor

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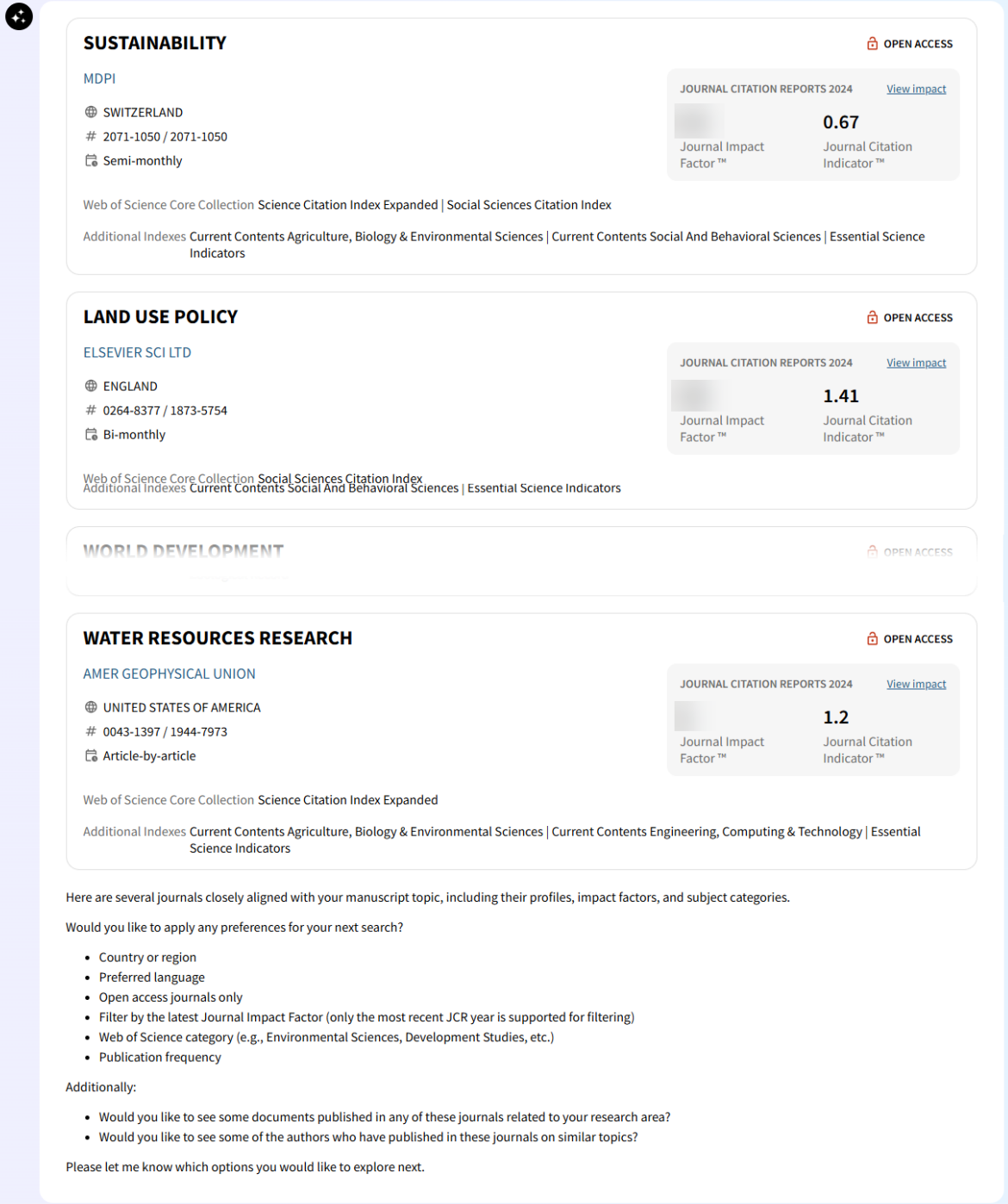
Colectarea informațiilor esențiale despre reviste

- **Asociați manuscrisele cu revistele relevante** folosind analiza inteligentă a conținutului.
- **Explorați opțiunile de reviste** pe teme atunci când detaliile manuscrisului nu sunt disponibile.
- **Filtrați după criteriile de publicare** pentru a identifica revistele care îndeplinesc cerințele specifice.



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Journal Impact Factor™ — Journal Citation Indicator™: 1.2

Web of Science Core Collection: Science Citation Index Expanded

Additional Indexes: Current Contents Agriculture, Biology & Environmental Sciences | Current Contents Engineering, Computing & Technology | Essential Science Indicators

Here are several journals closely aligned with your manuscript topic, including their profiles, impact factors, and subject categories.

Would you like to apply any preferences for your next search?

- Country or region
- Preferred language
- Open access journals only
- Filter by the latest Journal Impact Factor (only the most recent JCR year is supported for filtering)
- Web of Science category (e.g., Environmental Sciences, Development Studies, etc.)
- Publication frequency

Additionally:

- Would you like to see some documents published in any of these journals related to your research area?
- Would you like to see some of the authors who have published in these journals on similar topics?

Please let me know which options you would like to explore next.

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Folosirea unui instrument de IA responsabil, dezvoltat împreună cu și pentru cercetători

Furnizează date verificate din surse selectate

Dezvoltat în colaborare cu comunitatea științifică

Optimizat pentru aplicații în cercetare

În concordanță cu evoluția drepturilor de licențiere și de utilizare ale IA

Web of Science Research Assistant

Profitați la maximum de cea mai de încredere bază de date de citări din lume

Flux de lucru conectat

Asistentul nostru vă însoțește pe parcursul activității dvs. și ține pasul cu nevoile dvs. de cercetare pe măsură ce acestea apar.

Conceput pentru cercetători

Dezvoltat în colaborare cu comunitatea științifică, acest instrument este optimizat pentru utilizarea în cercetarea academică.

Realizat cu IA responsabilă

Aveți încredere într-un instrument care oferă răspunsuri verificabile, bazate pe 120 de ani de cercetare din surse selectate.

IA în Web of Science: planul strategic pentru 2026

	Recent enhancements	H1 2026	H2 2026
Smart Search	**Default search experience**: Begin your session with a more intuitive search experience that understands user intent.	**Generative AI overviews**: Orient yourself within search results quickly through a fully referenced AI overview that links directly to the most relevant research.	**Conversational search**: Develop and refine search queries with conversational guidance.
Web of Science Research Assistant	**Unified entry point**: Launch any research task or question from a single, conversational starting point **Author and visualization tools**: Explore authors and research trends with AI-provided context and interpretation. **Increased AI transparency**: See how AI interprets and builds queries before a search runs.	**Broader Core Collection insights**: Draw responses from the full Web of Science Core Collection dataset, regardless of subscription.	**Upload a manuscript**: Bring additional context to your discovery by incorporating your own documents. **Deep search capabilities**: Uncover relevant papers using citation relationships, collaborations, and other network signals.

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Un micro-curs pentru a dezvolta capacitatea IA

O serie de buletine informative pe o perioadă de 8 săptămâni – concepute de bibliotecari, pentru bibliotecari.

Conținut concis bazat pe cadrul de referință ACRL AI literacy, incluzând:

- Explicații introductive și lecturi selectate
- Studii de caz din lumea reală
- Interviuri cu experți în domeniu
- Întrebări și teste de discuție

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Think forward™

Adriana Filip
Senior Manager, Customer Success Consulting
Adriana.Filip@clarivate.com

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