



## The vital role of scientometrics in modern research

### El papel vital de la ciencia métrica en la investigación moderna

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The study of scientometrics has increasingly become vital in mapping the trajectory of scientific progress and understanding the dynamics of academic research (Rivera et al., 2024). Scientometrics, the quantitative study of science, technology, and innovation, plays a crucial role in comprehending the development and dissemination of scientific knowledge (Xu et al., 2024). By analyzing publication patterns, citation networks, and research trends, scientometric studies provide essential insights into the dynamics of scientific progress and the impact of research on society (Cortés, 2023). This special issue of *Clío América* is dedicated to presenting a series of scientometric reviews that shed light on various aspects, including agricultural and environmental sustainability, organic coffee production, avocado cultivation, entrepreneurship, inclusive marketing, dynamic capabilities, e-leadership, and sustainable tourism.

Despite its importance, scientometric research faces several challenges in the current era. Data accessibility and quality are often limited, making comprehensive analyses difficult (Chi & Glänzel, 2024; Cortés, 2023). The complexity of integrating data from multiple sources such as Scopus and Web of Science also poses additional hurdles (Lin, Y et al., 2023). Furthermore, the rapid growth of scientific literature necessitates advanced tools and methodologies to effectively analyze and interpret vast amounts of information (Bornmann & Lepori, 2024; Sourati & Evans, 2023). These challenges underscore the need for innovative solutions that can support and streamline scientometric research (Lin, Z et al., 2023).

Core of Science Corporation was established with the mission of supporting and enhancing scientific research through innovative tools and collaborative platforms. Its vision is to create an ecosystem that fosters high-quality scientific production. Core of Science addresses these challenges by providing an advanced platform for scientometric analysis. The company aims to support scientific research through innovative tools that facilitate the collection, integration, and analysis of bibliometric data. These developments have played a fundamental role in the creation of the articles featured in this special issue by providing researchers with tools for data integration and analysis. This issue showcases the practical applications and benefits of Core of Science's technological developments in advancing the field of scientometrics.

The contributions in this special issue demonstrate advancements in various fields, such as agricultural and environmental sustainability in organic coffee production and avocado cultivation, highlighting the need for sustainable practices and policy frameworks that balance economic development with environmental conservation. These findings can inform future research and guide policymakers in promoting sustainable agricultural practices that ensure long-term ecological and economic benefits.

Articles focused on entrepreneurship and inclusive marketing underscore the importance of adopting technological advancements and inclusive strategies in today's dynamic market environment. For instance, the trends identified in innovative entrepreneurship, such as digital transformation and the role of public policy,

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provide valuable insights for entrepreneurs and educators aiming to foster innovation and entrepreneurial success.

The study on e-leadership highlights the competencies necessary for effective leadership in virtual teams, emphasizing the rise of this type of leadership in the post-pandemic era. The article on sustainable tourism emphasizes the importance of preserving cultural integrity while promoting economic growth. Finally, the article on dynamic capabilities offers strategic insights into how organizations can enhance their performance and innovation through adaptive and flexible practices.

Collectively, these articles illustrate the power of scientometric analysis to uncover significant trends, inform evidence-based decision-making, and drive innovation across multiple disciplines. The implications of this research are far-reaching, offering valuable guidance for researchers and policymakers in their efforts to address complex challenges and promote sustainable development.

We invite readers to delve into the articles presented in this special issue, reflecting on the significant findings and engaging with the rich discussions they offer. As scientometric research continues to evolve, we anticipate that the insights provided here will inspire further exploration and innovation in the field.

We extend our gratitude to the authors for their insightful contributions, the reviewers for their critical evaluations, and the editorial team for their dedicated efforts throughout the process. Special thanks to Core of Science Corporation for providing the tools and resources that facilitated the research presented in this special issue.

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