

Research Dynamics in Social Entrepreneurial Orientation: A Bibliometric Analysis Based on Citations and Publications


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Abstract— This paper explores the dynamic field of Social Entrepreneurial Orientation (SEO), which melds entrepreneurial tactics with social goals, aiming to address pressing societal issues such as poverty and environmental sustainability. This study examines SEO's academic discourse and impact through a systematic bibliometric analysis spanning thirteen years (2011-2024), employing data from key databases like Scopus and Web of Science. The research illustrates significant growth in SEO scholarship, evidenced by increasing publications and citations, highlighting the field's expanding influence across academic and practical domains. Our analysis utilizes VOS Viewer for trend analysis, author influence mapping, and thematic clusterization, revealing a rich tapestry of collaborative research and evolving themes such as innovation and sustainability. The findings suggest that while the field has robust scholarly engagement, there is room for methodological advancement to enhance the long-term understanding of SEO's impacts. This study underscores the importance of SEO in fostering sustainable business practices and proposes strategic frameworks that can guide future research, policymaking, and business strategies, aiming to integrate entrepreneurial vigor with societal well-being. Through this scholarly inquiry, the paper contributes to a deeper understanding of SEO's role in driving social change and emphasizes the need for global and interdisciplinary collaborations to tackle broad societal challenges effectively.

Keywords—Sustainability, Innovation, Social Impact, Entrepreneurial Strategies, Academic Trends, Scholarly Output, Interdisciplinary Research

I. INTRODUCTION

Social Entrepreneurial Orientation (SEO) integrates entrepreneurial tactics with social objectives, crafting enterprises that strive not merely for profit but for the alleviation of social issues like poverty, healthcare, and environmental sustainability (Kraus et al., 2017; Loukopoulos et al., 2024a; Scheuerle & Schmitz, 2016). This convergence of entrepreneurial vigor and social purpose is increasingly relevant in today's complex socio-

economic landscape, drawing significant scholarly and practical attention. This relevance is underscored by the rising importance of sustainable and socially responsible business practices globally.

Over the past two decades, the body of literature addressing SEO has shown a marked increase in exploring dimensions from strategic innovation and risk-taking in social ventures to the broader impacts these enterprises have on society (Álvarez-García et al., 2022; Dionisio, 2019). Notable works such as those by (Rey-Martí et al., 2020) and (Turpin & Shier, 2020) have laid foundational theories elucidating how SEO aligns entrepreneurial activities with social missions, emphasizing the transformative potential of such orientations.

Despite the valuable insights these studies provide, the research field of SEO remains fragmented. Many contributions focus narrowly on specific geographic areas or singular case studies, limiting the generalizability of findings across different contexts (Montgomery et al., 2012). Furthermore, the methodologies employed in existing research are varied and sometimes lack the systematic rigor needed to draw strong conclusions about the efficacy and impact of SEO practices globally. This presents a challenge in understanding the consistency of SEO impacts across diverse economic and cultural backgrounds.

Additionally, the influence of SEO on organizational performance and sustainability has been explored but with inconsistent results. Studies such as those by (Loukopoulos et al., 2024a) highlight a gap in our understanding of the strategic benefits and practical outcomes of adopting SEO. This gap suggests a need for more comprehensive and analytically robust studies to provide clearer insights into how SEO contributes to social and business outcomes over time (Weerakoon et al., 2020).

To address these issues, employing a bibliometric analysis offers a novel and comprehensive approach (Bota-Avram, 2023). By systematically analyzing citations and publications related to SEO, this method allows for a detailed exploration of the field's evolution, key contributors, and influential works. It also helps map the thematic concentrations and scholarly networks that drive SEO research. This approach, detailed by (Satar et al.,

2023), clarifies the intellectual landscape of SEO and highlights the emerging trends and potential future directions for this vital area of study. This methodological innovation in studying SEO is crucial as it provides a meta-analytical framework that goes beyond traditional narrative reviews and case studies. It offers a quantitative basis for evaluating the impact and dissemination of SEO concepts, ensuring a more grounded understanding of its development and trajectories in the academic and practical realms.

The novelty of this study lies in its use of advanced bibliometric techniques to systematically evaluate the scholarly landscape of SEO. Unlike traditional literature reviews, this bibliometric analysis provides a quantitative foundation that identifies pivotal studies and delineates the evolution of themes within the SEO field. By employing tools like VOS Viewer, this research tracks the frequency and relationships of keywords across publications and visualizes the complex network of scholarly contributions over time. This approach reveals emerging trends and the diffusion of knowledge within the field, offering a more precise understanding of the current state and future directions of SEO research. Such a methodological innovation is crucial for the maturation of SEO as a distinct academic discipline and for enhancing the robustness of its theoretical constructs.

The urgency and contribution of this study are underscored by the increasing global focus on sustainable and socially responsible business practices. As organizations worldwide strive to align business operations with social goals, understanding the strategic implications of SEO becomes imperative. This research contributes significantly by providing a comprehensive synthesis of SEO literature, which can guide academic inquiry and practical applications. It identifies gaps in current knowledge, suggesting areas for further research, such as integrating SEO in non-traditional contexts and its long-term impacts on societal well-being. Additionally, the study serves as a valuable resource for policymakers and business leaders, offering evidence-based insights that can inform the development of strategies that foster social innovation and entrepreneurial success in diverse socio-economic settings. This research not only advances academic knowledge but also supports the implementation of practices that can lead to sustainable societal progress.

II. METHODOLOGY

A. Data Collection

This research employs a systematic bibliometric approach to analyze the landscape of social entrepreneurial orientation (SEO) literature. A comprehensive search was conducted across reputable academic databases, including but not limited to Scopus and Web of Science, to retrieve relevant publications. The search encompasses articles, reviews, and conference proceedings from the past decade, ensuring a contemporary field representation.

B. Inclusion Criteria

Selected publications will be those directly related to SEO, encompassing studies investigating any SEO-related topics. The inclusion criteria will focus on articles published in peer-reviewed journals, ensuring high academic rigor. The temporal scope will cover all years to capture the trends and developments in the field.

C. Data Analysis

VOS Viewer is used as bibliometric software. This software was utilized to conduct a thorough analysis of the retrieved publications. The analysis is divided into four parts according to the research question: trend analysis using overlay visualization, most influential author analysis by identifying the most impactful articles and author mapping, clustering analysis with network visualization, and future research potential analysis with density visualization.

D. Research Questions Alignment

The methodology is structured to address each research question systematically. For the first question, trends will be identified by analyzing publication patterns. The second question was addressed by evaluating author influence based on citation and collaboration data. The third question was answered by categorizing research themes derived from keyword co-occurrence. Finally, the fourth question identifies potential future research directions by synthesizing key findings and emerging concepts.

E. Validity and Reliability

To enhance the validity and reliability of the findings, the search process, inclusion criteria, and data analysis methods are documented and transparently reported. Multiple researchers were involved in the data collection and analysis process to ensure consistency and reliability in the results. Additionally, the use of established bibliometric tools contributes to the reliability of the analysis.

III. RESULTS AND DISCUSSION

A. Research Data Metrics

The study of Social Entrepreneurial Orientation (SEO) has been quantitatively assessed through bibliometric analysis, reflecting the scholarly engagement and impact within this field over 13 years (2011-2024). This analysis provides insight into how extensively the topics related to SEO have been explored and cited in academic literature. By examining various bibliometric indicators, we can gauge research growth, influence, and maturity in this area.

Bibliometric metrics offer a multidimensional view of research performance and trends, allowing us to identify key papers, influential researchers, and the overall reach of published work. This type of analysis is crucial for understanding the evolution of SEO, assessing the quality of its scholarly output, and determining the research impact on academic and practical fields. The table 1, summarizes the bibliometric data collected for the field of

Social Entrepreneurial Orientation (SEO) from 2011 to 2024:

Table 1. Citation Metrics of Social Entrepreneurial Orientation Topic from Publish or Perish

Metrics	Data
Papers	64
Citations	745
Years	13
Cites_Year	57.31
Cites_Paper	11.64
Cites_Author	336.4
Papers_Author	34.65
Authors_Paper	2.45
h_index	13
g_index	27
hc_index	15
hI_index	4.97
hI_norm	11
AWCR	176.8
AW_index	13.3
AWCRpA	81.34
e_index	22.41
hm_index	6.58
QueryDate	4/25/2024 6:39
Cites_Author_Year	25.87
hI_annual	0.85
h_coverage	90.1
g_coverage	98.1
star_count	5
year_first	2011
year_last	2024
ECC	745
acc1	28
acc2	21
acc5	12
acc20	2
hA	9

Source: Publish or Perish (April 25, 2024)

Table 1 contains a bibliometric assessment of Social Entrepreneurial Orientation (SEO) research conducted over 13 years from 2011 to 2024. Several important trends and metrics underline this academic field's robust engagement and impact. The dataset comprises 64 scholarly papers, collectively garnering 745 citations, which implies a strong reception and utilization within the scholarly community. On average, each paper received about 11.64 citations, reflecting a significant influence and acknowledgment by subsequent research in the domain.

Collaborative efforts are evident, with an average of 2.45 authors per paper, suggesting a multi-author trend in

the SEO research. This collaboration is further highlighted by the high number of citations per author, totaling 336.4, indicating substantial individual contributions and recognitions. From an analytical perspective, the h-index of 13 and the g-index of 27 reveal a foundational and extensive impact, respectively. These indices suggest that the most cited papers have continued relevance and contribute core knowledge that supports ongoing research, with a significant breadth (g-index) and sustained quality (h-index) of research outputs.

Coverage indices such as h-coverage at 90.1% and g-coverage at 98.1% further showcase that most works are frequently cited, indicating their foundational importance and wide influence across SEO studies. Additionally, normalized metrics like the hI-index at 4.97 and hI_norm at 11 adjust for multiple authors per paper, offering a clearer view of the individual impact relative to the number of contributors.

On an annual basis, the hI annual rate of 0.85 demonstrates a consistent scholarly influence year over year, suggesting that the contributions to the field are not only ongoing but also increasingly pertinent as time progresses. This steady academic interest and impact highlight the relevance of SEO research in addressing complex social and entrepreneurial challenges over time.

B. Research Trends

In the following network visualization, we explore the intricate web of research themes that form the foundation of Social Entrepreneurial Orientation (SEO). This visualization is derived from a bibliometric analysis that maps the co-occurrence of keywords within a corpus of SEO-related scholarly articles. The resulting image is a testament to the interconnected nature of research topics within social entrepreneurship. Each node or cluster in the network represents a distinct keyword or topic, with its size proportional to the frequency of its appearance across the literature. The lines, or edges, signify the strength of the relationship between topics, with thicker lines indicating a more robust association. The color gradient applied to each node reflects the chronological progression of the research topics over the years, from the oldest (represented by the coolest color) to the most recent (represented by the warmest color). This visual representation provides a snapshot of the field's complexity and the thematic shifts over time.

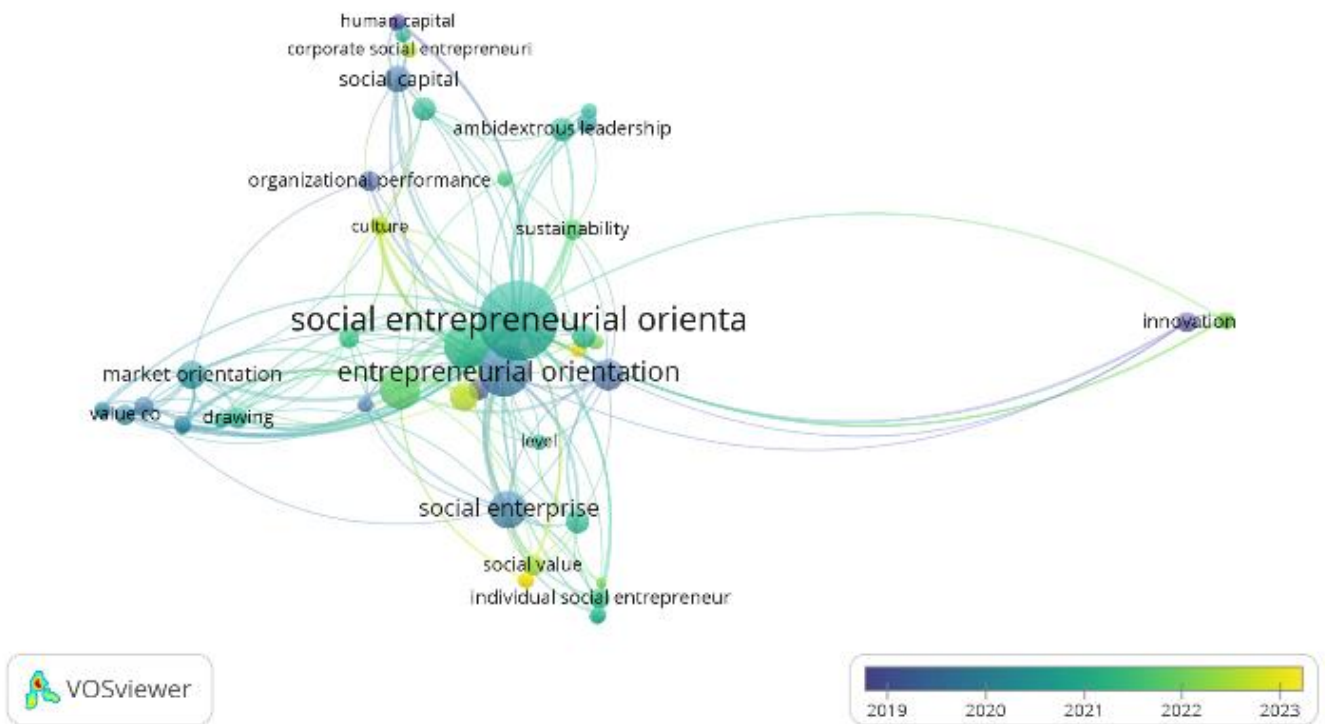


Figure 1. Overlay Visualization

The network visualization described in Figure 1 vividly depicts the thematic structure and temporal evolution of the SEO research field. Central to the visualization is the dominant theme of 'social entrepreneurial orientation,' indicated by the largest node, which serves as the nexus connecting various related concepts (Dionisio, 2019). Adjacent to this are significant nodes such as 'entrepreneurial orientation' and 'social enterprise,' highlighting the core focus of SEO research on the intersection of entrepreneurial practices and social mission-driven businesses.

We also observe peripheral themes like 'human capital' and 'corporate social entrepreneurship,' smaller in size, denoting specialized but essential facets of the field. The presence of 'sustainability' and 'market orientation' reflects the broader impact of SEO on sustainable business practices and market-driven strategies. The varying intensities of the color gradient across the network reveal the temporal development of each theme, with some, such as 'innovation,' emerging more prominently in recent years, as indicated by the warmer color. The interplay of lines between the themes demonstrates the interdisciplinary nature of SEO research, with some areas exhibiting stronger connections, thus suggesting more intensive scholarly dialogue between them.

C. Influential Authors

Table 2 presents a detailed overview of the impact of citations and author contributions in social entrepreneurial orientation (SEO). This tabulation is critical for recognizing the key thought leaders whose seminal work

has significantly influenced the discourse and development of SEO. The table is organized to display the number of citations alongside the corresponding authors, providing a clear indication of their academic influence. High citation counts reflect the scholarly community's recognition of the value and relevance of the researchers' work. This information is not just a measure of popularity but also of the scholarly impact and the trust placed in the robustness of their research. These contributions help propel the field forward and foster a deeper understanding of SEO.

Table 2. The Most Cited Authors from Publish or Perish for Social Entrepreneurial Orientation Topic

Cites	Authors
143	K Lurtz, K Kreutzer
119	G Alarifi, P Robson, E Kromidha
71	CHS Liu, CE Huang
52	Y Hu, X Pang
43	MU Hossain, AA Asheq
43	P Syrjä, K Puumalainen, H Sjögrén...
43	C Martínez-Climent, M Rodríguez-García, J Zeng
40	A Turpin, ML Shier
39	MM Sulphrey, A Salim
35	I Khan, T Bashir
16	J Álvarez - García, E Hormiga - Pérez...
14	E Abaho, DB Begumisa, F Aikiriza...
13	MM Garçon, VMJ Nassif, TJS Lima
12	TD Luu
7	R Makeel, J Ashraf, FR Ariyesti, S Ali

Source: Publish or Perish (April 25, 2024)

Table 2 elucidates the hierarchy of influence within the SEO scholarly community. The authors at the top (Lurtz &

Kreutzer, 2016), with 143 citations, stand out as pivotal figures in the field, indicating that their research has been foundational to SEO studies. They are followed closely by (Alarifi et al., 2019), who have also made substantial contributions to the literature, as seen by their 119 citations. Other notable contributors include (Chen et al., 2023), with a significant impact of 71 citations, and (Hu & Pang, 2013), whose work has garnered attention with 52 citations. The presence of multiple authors with citations in the range of 40s demonstrates a vibrant and diverse research community contributing to the SEO dialogue. Notably, the data reflects a distribution of scholarly output with varied citation counts, indicating the broad range of influence and the multiple voices that enrich the field. The table highlights not only those researchers whose work has been most frequently cited but also those emerging

scholars and recent studies that are beginning to make their mark on the field.

The upcoming visualization captures the collaborative networks between authors in Social Entrepreneurial Orientation (SEO). In this network diagram, each author is represented as a node, and the lines connecting them illustrate the co-authorships, indicating collaborative relationships and intellectual linkages. The thickness of the lines suggests the strength of collaboration, with thicker lines representing more frequent co-authorship between researchers. This visualization aids in identifying clusters of researchers who frequently work together and key individuals who bridge different research groups. It is a powerful representation of the social structure of academic collaboration, reflecting the interconnected nature of scholarly work in SEO.

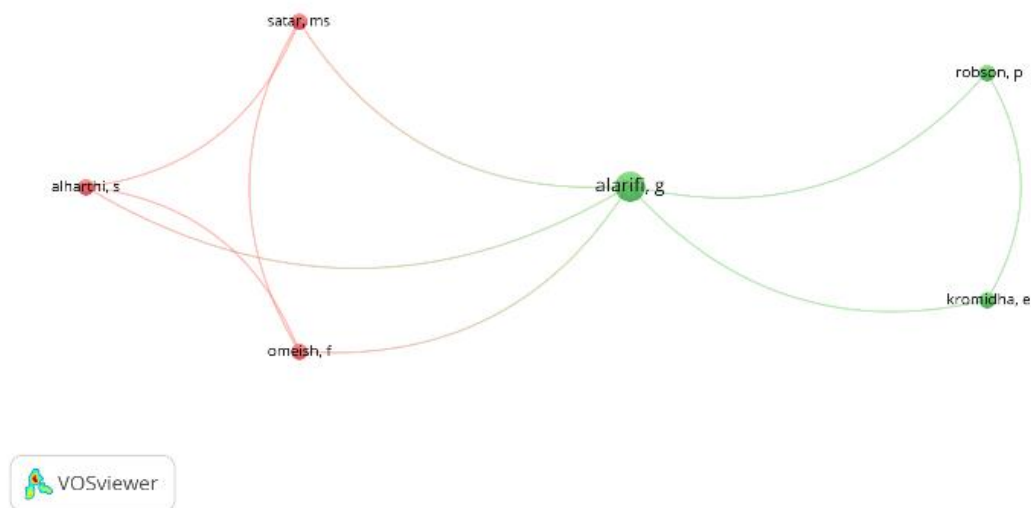


Figure 2. Authors Network Visualization

Based on Figure 2, in the visualization, we observe the patterns of collaboration that form the backbone of SEO research. Notably, prominent clusters of researchers have closely collaborated, as evidenced by the strong connections between them. For instance, the robust link between authors such as G. Alarifi and E. Kromidha indicates a significant level of joint work, suggesting these authors may have a series of co-authored studies or a highly influential joint publication in the SEO field.

Conversely, the visualization reveals authors who act as bridges within the research network. These individuals are key connectors who collaborate with researchers from different clusters, facilitating the flow of ideas and research approaches across the SEO domain. Their position within the network is crucial as they often bring together diverse perspectives and contribute to the field's interdisciplinary nature.

The presence of densely connected clusters and individual bridge-builders highlights the complexity and

richness of collaborative efforts within SEO research. It underscores the importance of cooperative engagement in driving the field forward and the role of influential individuals in disseminating knowledge across various sub-disciplines within the broader scope of Social Entrepreneurship.

D. Research Themes and Clusterization

Figure 3 shows a visual map from a rich academic publication dataset, each node representing a specific research theme or keyword. The proximity and lines between nodes illustrate the thematic correlations and co-occurrences in the literature, providing a graphic representation of the research focus areas and their interconnections. The spectrum of colors across the nodes designates the chronological progression of the themes, offering insight into the evolution of the field's scholarly attention over time. This visualization is a strategic tool to

grasp the multifaceted nature of SEO research and its developmental trajectory within the academic community.

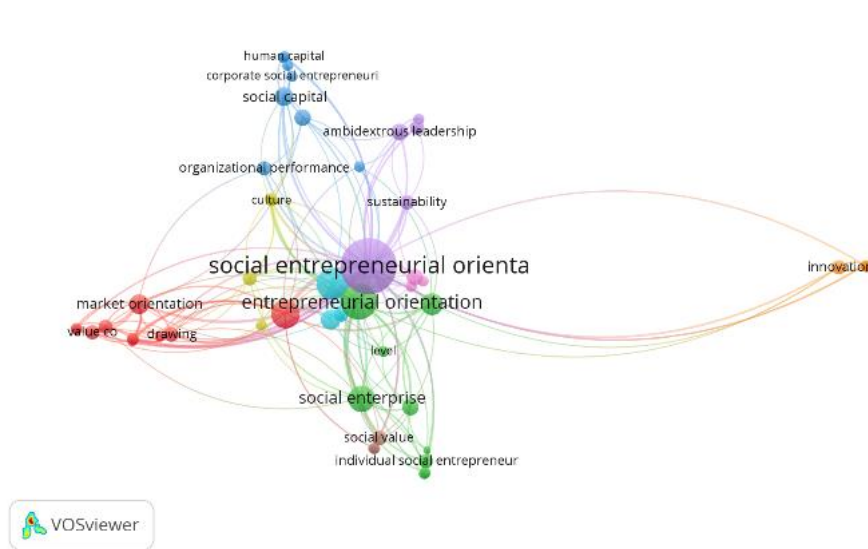


Figure 3. Network Visualization

The visualization of Figure 3 that unfolds before us serves as a detailed guide to the intricate web of themes that SEO research encompasses. The central theme of 'social entrepreneurial orientation' manifests as the most prominent node, underscoring its significance as the field's cornerstone. It is closely interwoven with 'entrepreneurial orientation' and 'social enterprise,' signifying the integral relationship between entrepreneurial practices and the pursuit of social impact.

Surrounding these core topics are several emerging and established themes, such as 'human capital,' 'sustainability,' and 'innovation,' each represented by individual nodes whose size correlates with their prominence in the literature. The color coding of the nodes reveals not just the most recent focal points but also the thematic areas that have sustained researchers' interest over time.

Moreover, the density of the network lines paints a picture of a highly collaborative field, describing that the different research areas are not siloed but dynamically interact with and inform one another. This interconnectedness is crucial for advancing SEO, as it enables the cross-pollination of ideas and the fusion of diverse perspectives, further enriching the domain.

E. Future Research Options

In the visualization, we see a vibrant clustering around the term 'social entrepreneurial orientation', the largest and most luminous node indicating it is the field's central and most frequently addressed theme. This core concept is intrinsically linked to 'entrepreneurial orientation,' with the proximity of the two nodes suggesting that these themes often co-occur within the literature, reflecting the inherent connection between entrepreneurial activities and social goals in the SEO research landscape.

Adjacent to these central nodes, we see 'social enterprise' and 'social value' shine brightly. Their prominence shows

that the practical implications of SEO and the tangible value it creates in society are major focus areas for researchers. 'Innovation' appears as a vibrant area towards the right, symbolizing its increasing importance and possibly reflecting recent trends within the field of innovation in social entrepreneurship, which is gaining attention.



Figure 4. Density Visualization

Figure 4 shows less illuminated, yet still significant, are the nodes for 'human capital,' 'corporate social entrepreneurship,' and 'sustainability.' Although these areas are cooler in comparison, indicating a smaller volume of research, they remain critical components of the SEO discussion. 'ambidextrous leadership' is another cooler area that suggests a nuanced and emerging subject within the SEO literature.

The overall heat map indicates that while there is a strong concentration of research in the core areas of SEO, there are opportunities for expanded investigation in the slightly less developed themes. The gradation from hot to cool colors serves as a guide for areas ripe for further scholarly exploration, signaling the place that the field

might develop next and the place that researchers might focus to advance the understanding of SEO.

F. Discussion

The increased number of publications and citations signifies the growing interest in SEO, highlighting its relevance and influence in the scholarly community (Premadasa et al., 2023). Particularly, the robust bibliometric indicators such as the h-index and g-index underscore the foundational impact and extensive reach of SEO studies, suggesting that the core research continues to be integral to ongoing academic discussions and is frequently utilized by researchers to build further insights.

Collaborative efforts are evident from the data, showing an average of 2.45 authors per paper, which points to a trend of multi-author contributions in the SEO field. This collaborative nature fosters a richer, more diverse academic output, enhancing the ability to address complex issues within social entrepreneurship through varied perspectives and expertise. The intricate network visualizations of research themes further illustrate the interdisciplinary engagement within the SEO field, demonstrating how innovation and sustainability have become more prominent over time. This shift likely reflects broader societal trends towards sustainable and innovative solutions to social challenges, indicating the field's responsiveness to external social and economic shifts.

Importantly, the discussion highlights the critical role of influential authors and collaborative networks. The data showcases key contributors whose work has shaped the SEO landscape and the collaborative links that have facilitated significant intellectual exchanges across the field. Researchers who act as bridges within these networks are particularly crucial, as they enhance the integration of diverse methodologies and facilitate the flow of ideas across various research areas.

Future research directions present exciting opportunities for deepening the understanding of SEO (Iskandar et al., 2021, 2022; Loukopoulos et al., 2024b). Emerging areas such as ambidextrous leadership and corporate social entrepreneurship represent fertile ground for new studies. These themes are relatively underexplored and could yield valuable insights into how businesses can effectively balance dual goals of profitability and social impact. Methodological innovations, including longitudinal studies or advanced statistical techniques, could further elucidate social entrepreneurial practices' long-term effects and sustainability (Henderson et al., 2019).

Moreover, there is significant potential for SEO research to influence practical outcomes directly. By aligning closely with the needs and strategies of real-world social enterprises, academic research can produce actionable knowledge that not only advances theoretical understanding but also contributes to tangible societal benefits (Choi et al., 2018; Lim et al., 2020; Mittal et al., 2018). Studies could explore how theoretical models of SEO are implemented in practice, identifying best practices and potential pitfalls. Additionally, focusing on integrating emerging technologies and digital strategies

within social entrepreneurship could provide avenues for enhancing efficiency and impact.

G. Study Implication

The bibliometric analysis of SEO research offers valuable insights into the field's academic evolution and its current status. The increase in scholarly output, as indicated by the citation metrics and collaborative efforts, emphasizes the field's growing academic importance. This trend encourages universities and research institutions to further invest in SEO-related studies, potentially leading to the development of specialized courses, degrees, and dedicated research centers. The robustness of SEO research metrics, like the h-index and g-index, supports the case for SEO to be recognized as a distinct academic discipline that can attract funding and scholarly interest at higher levels.

The findings from SEO research hold significant implications for policy-makers interested in promoting sustainable business practices and social innovation. The research themes of sustainability and innovation within SEO suggest that policies could be developed to support social enterprises through incentives for sustainable practices and innovations that address social problems. Additionally, understanding the influential authors and key research themes can guide policy-makers in partnering with academia to develop evidence-based policies that support social entrepreneurship.

The implications of SEO research are twofold for business leaders and social entrepreneurs. First, integrating entrepreneurial orientation with social goals provides a framework for businesses to align their strategies with societal needs, potentially opening new markets and customer bases. Second, the collaborative nature of SEO research highlights the benefits of partnerships between businesses, non-profits, and academic institutions. Such collaborations can enhance resource sharing, innovation, and scalability of social impact initiatives.

As suggested by the need for longitudinal studies and the application of complex statistical analyses, the advancement in research methodologies will enable researchers to understand better the dynamics and long-term impact of social entrepreneurial activities. This methodological shift can improve the robustness of SEO research, making the findings more applicable and reliable for practitioners and policy-makers. Moreover, embracing data analytics and digital tools could lead to more precise measurements of social impact and business performance.

At the social level, the implications of SEO research are profound. By focusing on themes like human capital and corporate social responsibility, SEO research promotes a model of entrepreneurship that values social equity, community involvement, and ethical business practices. This can encourage a shift in societal values towards more sustainable and socially responsible business models, impacting consumer behavior and overall community well-being.

The emergent themes of innovation within the SEO research point to new technologies' critical role in enhancing social enterprises' efficiency and impact. Future

research can explore how digital transformations, such as blockchain and artificial intelligence, can be leveraged to improve transparency, accountability, and resource allocation in social enterprises. These technological advances could revolutionize how social impacts are measured and scaled, offering new tools for entrepreneurs to tackle social issues effectively.

SEO research is increasingly relevant globally, addressing universal challenges such as poverty, education, and health. The international and interdisciplinary nature of SEO research supports cross-border collaborations and knowledge exchange, which are crucial in addressing these global issues. By fostering an understanding of different cultural and economic contexts, SEO research can contribute to more globally coordinated efforts to use entrepreneurship as a vehicle for social change.

IV. CONCLUSION

The comprehensive bibliometric analysis of SEO research over the past thirteen years highlights a vibrant and expanding field that fosters academic inquiry and significantly impacts practical and policy realms. The study reveals a robust engagement with SEO topics, evidenced by a steady increase in scholarly output and citation metrics, which underscores the growing recognition of SEO's relevance across various sectors. The collaborative nature of the research, shown through multi-author studies, indicates a thriving community of scholars who bring diverse perspectives and expertise. This collaboration is crucial for tackling complex social challenges through innovative and sustainable business practices. The analysis also shows an evolution in research themes, with an increasing focus on sustainability, innovation, and technology integration, reflecting broader societal shifts toward these priorities.

The findings support the continued development of SEO as a distinct field of study for academia, meriting dedicated programs and research agendas. For policymakers, the insights from SEO research provide a strong foundation for crafting supportive frameworks that encourage the growth of social enterprises. Businesses and social entrepreneurs can draw on the strategic alignments and frameworks discussed in SEO literature to enhance their operational models and societal impact. Moreover, the methodological advancements suggested by the research point toward more sophisticated approaches to understanding the long-term impacts and dynamics of social entrepreneurial activities. These methodologies promise to provide deeper insights and more actionable outcomes for practitioners and policymakers alike. Regarding social implications, SEO research advocates for a model of entrepreneurship that integrates social goals with business acumen, potentially leading to a shift in societal values towards sustainability and social responsibility. The international and interdisciplinary approach of SEO research also paves the way for global collaborations, which are essential for addressing universal challenges like poverty, healthcare, and education through entrepreneurial solutions.

To strengthen the implementation of research findings into real-world practices and policy development, several strategic steps can be taken. First, the creation of a detailed conceptual model is crucial for integrating the principles of Social Entrepreneurial Orientation (SEO) into business practices and public policy. This model should outline key variables such as social innovation, sustainability, and market orientation, along with the relationships between these variables. Second, practical implementation guidelines should be compiled to assist organizations and social entrepreneurs in adopting SEO in their day-to-day operations, including strategies for measuring and evaluating social impact.

Additionally, it is vital to design a policy framework that supports the growth of social enterprises, including fiscal incentives and regulatory support. Effective diagnostic and evaluation tools also need to be developed to enable entrepreneurs and policymakers to measure the effectiveness of SEO. Cross-sector collaboration between academics, industry, and government should be enhanced to ensure the relevance and applicability of SEO research.

Training and capacity-building programs are also crucial for enhancing understanding and skills in effectively implementing SEO. Finally, the establishment of centers of excellence or incubators focused on SEO will support research, innovation, and the development of social enterprises, providing resources, guidance, funding, and access to a broader professional network. By implementing these steps, the potential of SEO research to drive sustainable and responsive social and business change can be significantly enhanced.

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