Mapping the Literature on the Effectiveness of Conflict Management in Inclusive Education

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ABSTRACT

This study provides a comprehensive bibliometric analysis of the literature on inclusive education, revealing key thematic clusters, research trends, potential research opportunities, and author collaboration networks. The central theme of inclusive education is examined through the lens of various interconnected topics, including teaching strategies, attitudes and self-efficacy, stakeholder perceptions, and policy implementation. The analysis of research trends highlights a dynamic evolution in the field, with growing attention to innovative teaching methods, effective teacher training, and inclusive educational practices. The study identifies several potential research areas, such as the development of differentiated instruction techniques, the impact of culturally responsive teaching, and the role of community involvement in supporting inclusive education. The author collaboration network reveals distinct research clusters and influential researchers, emphasizing the importance of collaborative efforts in advancing the field. Overall, this bibliometric analysis provides valuable insights into the current state of research in inclusive education and outlines crucial areas for future investigation to enhance educational outcomes for all students.

Keywords: Inclusive Education, Conflict Management, Bibliometric Analysis, VOSviewer

1. INTRODUCTION

The field of inclusive education has gained significant attention over the past few decades, emphasizing the need to provide equitable learning opportunities for all students, regardless of their diverse backgrounds and abilities [1]. Inclusive education aims to integrate students with special needs into mainstream classrooms, fostering an environment where diversity is embraced, and all students can thrive [2]. This approach not only benefits students with disabilities but also enhances the overall learning experience by promoting empathy, collaboration, and mutual respect among all students [3], [4]. As schools strive to implement inclusive education effectively, the need to address potential conflicts arising from this integration becomes increasingly important [5].

Conflict management within inclusive education is a critical component that influences the success of such educational environments [6]. Conflicts can arise from various sources, including differences in students' learning needs, communication barriers, and cultural misunderstandings [7]. Effective conflict management strategies are essential to ensure that these conflicts do not hinder the educational progress of students [8]. Research has shown that well-managed conflicts can lead to positive outcomes, such as improved problem-solving skills, enhanced relationships, and a more supportive learning environment [9], [10]. Thus, understanding the dynamics of conflict management in inclusive education is crucial for educators, policymakers, and researchers.

Bibliometric analysis offers a comprehensive method for mapping the literature on conflict management in inclusive education [11]. This approach involves quantitatively analyzing academic publications to identify trends, patterns, and key themes within a specific research area [12]. By

utilizing bibliometric tools, researchers can gain insights into the development of the field, the most influential studies, and emerging areas of interest [13]. This information is valuable for guiding future research, informing policy decisions, and improving educational practices. Given the growing body of literature on conflict management in inclusive education, a bibliometric approach is well-suited to synthesize existing knowledge and highlight critical gaps [14].

The significance of conflict management in inclusive education cannot be overstated. As educational systems worldwide continue to move towards more inclusive practices, understanding how to effectively manage conflicts becomes essential [6], [15]. This knowledge helps educators create a conducive learning environment where all students can achieve their full potential [16]. Moreover, the insights gained from a bibliometric analysis can inform the development of training programs for teachers, ensuring they are equipped with the necessary skills to handle conflicts constructively [7], [17]. Therefore, this study aims to provide a comprehensive mapping of the literature on the effectiveness of conflict management in inclusive education, offering valuable contributions to both academia and practice.

Despite the recognized importance of conflict management in inclusive education, there is a lack of comprehensive studies that systematically analyze the existing literature using bibliometric methods. Most research in this area tends to focus on specific aspects or case studies, resulting in a fragmented understanding of the overall landscape. This fragmentation makes it challenging for educators, policymakers, and researchers to access a cohesive body of knowledge that can inform effective practices and policies. Therefore, there is a critical need for a bibliometric analysis that maps the literature on conflict management in inclusive education, identifies key themes and trends, and highlights areas requiring further investigation.

The primary objective of this study is to conduct a bibliometric analysis to map the literature on the effectiveness of conflict management in inclusive education. Specifically, this research aims to: (1) identify the most influential publications, authors, and journals in this field; (2) analyze the main themes and trends within the literature; (3) uncover gaps and underexplored areas that require further research; and (4) provide recommendations for future studies and practical applications. By achieving these objectives, this study seeks to contribute to a deeper understanding of conflict management in inclusive education and support the development of more effective strategies and policies to foster inclusive learning environments.

2. LITERATURE REVIEW

2.1 Conceptual Framework of Conflict Management in Inclusive Education

The concept of conflict management in inclusive education is multifaceted, encompassing various strategies and approaches aimed at addressing and mitigating conflicts that arise in diverse classroom settings. Inclusive education, by its very nature, brings together students with a wide range of abilities, backgrounds, and needs, which can lead to conflicts stemming from differences in learning styles, communication barriers, and social interactions [18]. Effective conflict management in this context involves creating a supportive environment where conflicts are viewed as opportunities for growth and learning rather than obstacles. This section reviews the existing literature on the theoretical foundations of conflict management in inclusive education, highlighting key models and frameworks that have been proposed to understand and address conflicts in inclusive settings.

2.2 Key Strategies and Approaches

Numerous strategies have been identified in the literature for managing conflicts in inclusive classrooms. One widely recognized approach is the collaborative problemsolving model, which emphasizes the involvement of all stakeholders—teachers, students, parents, and support staff—in resolving conflicts [19]. This model promotes open communication, mutual respect, and shared decision-making, thereby fostering a sense of community and cooperation among participants. Another critical strategy is the use of restorative practices, which focus on repairing relationships and restoring harmony after conflicts occur [20]. These practices include techniques such as mediation, peer support programs, and conflict resolution training, which have been shown to reduce the frequency and severity of conflicts in inclusive settings.

Positive behavior support (PBS) is another essential framework discussed in the literature. PBS involves the implementation of proactive strategies to promote positive behaviors and prevent conflicts before they arise [21]. This approach includes setting clear expectations, reinforcing positive behaviors, and providing individualized support to students who exhibit challenging behaviors. Research has demonstrated that PBS can lead to significant improvements in student behavior, academic performance, and overall classroom climate [22]. The literature also highlights the importance of teacher training and professional development in conflict management, underscoring the need for educators to be equipped with the skills and knowledge to effectively handle conflicts in inclusive classrooms [23].

2.3 Empirical Studies on Conflict Management in Inclusive Education

Empirical studies provide valuable insights into the effectiveness of various conflict management strategies in inclusive education settings. For instance, a study by [24] examined the impact of a school-wide PBS program on student behavior and teacher perceptions of classroom management. The findings indicated that the implementation of PBS led to a significant reduction in disruptive behaviors and an increase in positive teacher-student interactions. Similarly, research by [25] explored the use of restorative practices in a middle school setting, revealing that these practices contributed to a decrease in disciplinary referrals and an improvement in the overall school climate.

Another notable study by [26] investigated the role of cooperative learning in reducing conflicts and promoting positive relationships among students in inclusive classrooms. The study found that cooperative learning strategies, which involve students working together towards common goals, enhanced peer relationships and reduced incidences of bullying and exclusion. These findings are supported by subsequent research, which has shown that cooperative learning can lead to improved academic outcomes and social skills for students with and without disabilities [27].

Despite the positive outcomes reported in these studies, the literature also acknowledges the challenges associated with implementing conflict management strategies in inclusive education. Factors such as limited resources, lack of training, and resistance to change can hinder the effective adoption of these strategies [28]. Therefore, it is crucial for future research to address these barriers and explore ways to enhance the feasibility and sustainability of conflict management interventions in inclusive settings.

3. METHODS

This study employs a bibliometric analysis to systematically map the literature on the effectiveness of conflict management in inclusive education. Bibliometric analysis involves the use of quantitative methods to analyze academic publications, providing a comprehensive overview of research trends, influential authors, and thematic developments within a field. The research process includes several steps: first, a comprehensive search Google Scholar Database will be conducted to identify publications related to conflict management in inclusive education. Specific keywords and search terms such as "conflict management," "inclusive education," "special needs," and "inclusive classrooms" will be used to ensure a thorough search. Second, the retrieved publications will be screened and selected based on predefined inclusion criteria, such as relevance to the research topic and publication within the last two decades. Third, VOSviewer will be utilized to analyze the selected publications, focusing on citation analysis, co-citation analysis, and keyword co-occurrence analysis.

4. RESULTS AND DISCUSSION

4.1 Research Data Matriks

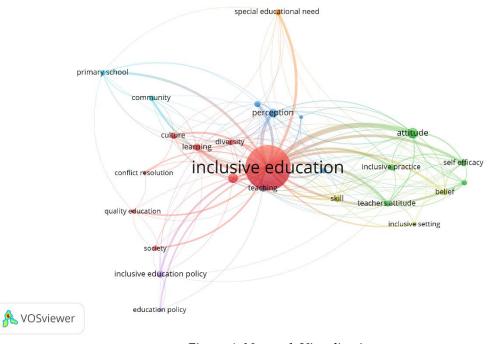
| Table 1. Research Data Metrics | | | | | |
|--------------------------------|------------------------------------|--|--|--|--|
| Publication | : 1917-2024 | | | | |
| years | . 1917 2021 | | | | |
| Citation years | : 107 (1917-2024) | | | | |
| Paper | : 980 | | | | |
| Citations | : 765533 | | | | |
| Cites/year | : 715.26 | | | | |
| Cites/paper | : 78.09 | | | | |
| Cites/author | : 50210.58 | | | | |
| Papers/author | : 583.09 | | | | |
| Author/paper | : 2.23 | | | | |
| h-index | : 125 | | | | |
| g-index | : 254 | | | | |
| hI,norm | : 99 | | | | |
| hI,annual | : 0.93 | | | | |
| hA-index | : 41 | | | | |
| Papers with | : 1,2,5,10,20:754,662,484,279,115 | | | | |
| ACC | . 1,2,3,10,20.7 34,002,404,279,113 | | | | |

Tabla 1 D h Data Matri

Source: Publish or Perish Output, 2024

The research data metrics provide a comprehensive overview of the scope and impact of publications related to conflict management in inclusive education from 1917 to 2024. Over this extensive period, a total of 980 papers have been published, collectively garnering 765,533 citations. This results in an impressive average of 715.26 citations per year, highlighting the sustained academic interest and influence of this research area. Each paper, on average, has received 78.09 citations, indicating a high level of engagement and relevance in the academic community. The data also reveal a substantial contribution from individual authors, with an average of 50210.58 citations per author and an average of 583.09 papers per author, reflecting the prolific nature of key researchers in this field.

The metrics also shed light on the collaborative nature of research in this domain, with an average of 2.23 authors per paper. This suggests that collaborative efforts and multi-author studies are common, likely due to the interdisciplinary nature of conflict management and inclusive education. The h-index of 125 and the g-index of 254 indicate a strong and consistent impact of the research, with the h-index reflecting the number of papers that have received at least 125 citations and the g-index showing the distribution of citations among the papers. Additionally, the hI,norm (99) and hI,annual (0.93) indices provide insights into the normalized impact and annual productivity of the research, respectively. The hA-index of 41 further emphasizes the influence of highly-cited authors. The distribution of papers with the highest annual citation counts (ACC) demonstrates significant contributions from a select number of highly influential papers, with citation counts of 754, 662, 484, 279, and 115, showcasing the critical role these works play in advancing the field.



4.2 Network Visualization

Figure 1. Network Visualization Source: Data Analysis Result, 2024

The VOSviewer map visually represents the bibliometric analysis of literature related to inclusive education, highlighting various thematic clusters based on the co-occurrence of keywords. Each node in the network represents a keyword, with the size of the node indicating the frequency of its occurrence. The lines connecting the nodes represent the co-occurrence relationships, with thicker lines indicating stronger relationships. The different colors of the nodes and lines indicate distinct thematic clusters within the literature. Below is a detailed interpretation of the map and the thematic clusters it identifies.

At the center of the map, "inclusive education" is the most prominent node, signifying its central role in the network. This indicates that inclusive education is the primary focus of the literature and is frequently connected to various other topics. The size of the node and the number of connections highlight the extensive research and discussions surrounding inclusive education, reflecting its importance and centrality in the field.

| Cluster | | luster Compositions | | | |
|------------------------|--|--|--|--|--|
| | Keywords | Description | | | |
| Purple Cluster | inclusive education policy, education | This cluster focuses on the policies and societal aspects of inclusive education. It examines how education policies are formulated and implemented to promote inclusive education. The link with quality education suggests that policies aimed at inclusiveness are also geared towards enhancing the overall quality of education. The inclusion of "society" indicates a broader socio-political context in which these policies operate, emphasizing the societal impact and the need for systemic change to achieve inclusive education goals. | | | |
| Red Cluster | conflict resolution, culture, learning, diversity, inclusive education | This cluster revolves around the management of conflicts and the role of cultural diversity in inclusive education. It highlights the challenges that arise from diverse classroom settings and the need for effective conflict resolution strategies. The emphasis on "culture" and "diversity" underscores the importance of cultural competence and sensitivity in managing conflicts and creating an inclusive learning environment. The connection with "learning" indicates that addressing these cultural and conflict issues is crucial for effective teaching and learning processes. | | | |
| Blue-Orange Cluster | perception, special educational need, primary school, community | This cluster explores the perceptions of inclusive education, particularly in the context of special educational needs. It includes primary education, indicating a focus on the early stages of education where inclusive practices can be crucial. The mention of "community" suggests the involvement of broader community perspectives and the need for community support in implementing inclusive education practices. This cluster emphasizes understanding how inclusive education is perceived by various stakeholders and its impact on students with special educational needs. | | | |
| Green Cluster | attitude, self-efficacy, inclusive practice, belief, skill, teachers attitude, inclusive setting | This cluster centers on the attitudes and self-efficacy of teachers and other stakeholders towards inclusive education. It examines how these attitudes and beliefs influence the implementation of inclusive practices. The inclusion of "self-efficacy" suggests a focus on the confidence and capability of educators to effectively implement inclusive education strategies. The connection with "inclusive setting" and "teachers attitude" highlights the importance of the educational environment and the critical role of teachers in fostering inclusive practices. This cluster underscores the need for professional development | | | |

| | and support for teachers to build their skills and |
|--|--|
| | confidence in inclusive education. |

Source: Data Analysis, 2024

4.3 Overlay Visualization

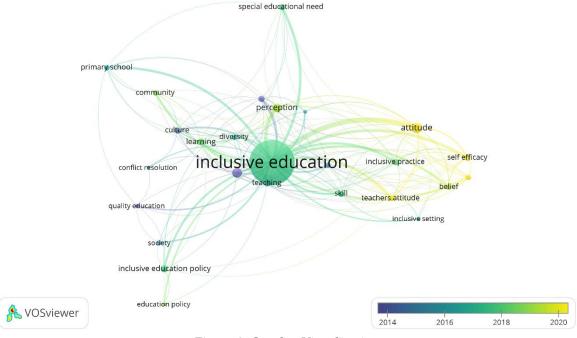


Figure 2. Overlay Visualization Source: Data Analysis Result, 2024

This second figure is a visualization of the bibliometric analysis of literature related to inclusive education. This specific map incorporates a temporal dimension, as indicated by the color gradient at the bottom of the figure, which ranges from blue (2014) to yellow (2020). This color gradient allows us to observe the evolution of research topics over time within the field of inclusive education. In this interpretation, we will explore the thematic clusters identified in the map, analyze the central themes, and discuss the trends in research over the years.

At the core of the map, the term "inclusive education" is prominently displayed as the central node, indicating its fundamental role in the network. The size of the node signifies the high frequency of its occurrence in the literature, while the numerous connections to other keywords represent its extensive linkage to various aspects of inclusive education. This central position underscores the critical focus of research on inclusive education and its interconnectedness with multiple related themes.

The cluster of purple consist of "education policy" and "quality education" At the core of the map, the term "inclusive education" is prominently displayed as the central node, indicating its fundamental role in the network. The size of the node signifies the high frequency of its occurrence in the literature, while the numerous connections to other keywords represent its extensive linkage to various aspects of inclusive education. This central position underscores the critical focus of research on inclusive education and its interconnectedness with multiple related themes. Research within "conflict resolution and culture" cluster has been relatively consistent over the years, with a slight increase in attention around 2016 to 2018. The focus on conflict resolution and cultural

diversity highlights the ongoing challenges in managing diverse classrooms and the need for effective strategies to address conflicts. The emphasis on "learning" and "diversity" indicates a continuous interest in understanding how cultural factors influence learning experiences and

outcomes in inclusive education settings. The research related to the topic of perception, special education need and primary school has seen a gradual increase, peaking around 2017 to 2018. This indicates a growing interest in how inclusive education is perceived by various stakeholders, particularly in the context of special educational needs. The inclusion of primary education suggests a focus on the early stages of inclusive education, emphasizing the importance of community support and involvement in fostering inclusive practices from a young age. Lastly, attitude, self efficacy, inclusive practice, and belief show a marked increase in research activity towards the latter part of the timeline, particularly around 2018 to 2020. The focus on attitudes and self-efficacy of educators reflects a shift towards understanding the psychological and professional aspects of implementing inclusive education. The importance of teachers' beliefs and skills in creating inclusive settings has become a critical area of study, indicating a move towards enhancing teacher training and development.

| Citations | Authors and | Title | | | |
|-----------|-------------|--|--|--|--|
| | year | | | | |
| 3950 | [29] | Conflict and conflict management | | | |
| 2309 | [30] | Toward a theory of managing organizational conflict | | | |
| 1862 | [31] | Case studies: Types, designs, and logics of inference | | | |
| 1693 | [32] | What really works in special and inclusive education: Using evidence-based teaching strategies | | | |
| 1510 | [33] | The irregular school: Exclusion, schooling and inclusive education | | | |
| 1399 | [34] | Conflict and conflict management: Reflections and update | | | |
| 1344 | [35] | Understanding and managing conservation conflicts | | | |
| 1338 | [36] | Teacher commitment, working conditions, and differential incentive policies | | | |
| 1276 | [37] | Developing inclusive education systems: The role of organisational cultures and leadership | | | |
| 1203 | [38] | Democracy in divided societies: Electoral engineering for conflict management | | | |

4.4 Citation Analysis

| Table 2. The Most Impactful Literature |
|--|
|--|

Source: Publish or Perish Output, 2024

This seminal work by JS Himes explores the fundamental aspects of conflict and its management across various settings. With a substantial 3950 citations, it is evident that this publication has been highly influential in shaping the understanding of conflict dynamics and strategies for effective conflict resolution. Himes delves into the nature of conflicts, their sources, and the different approaches to managing them, making it a cornerstone reference for researchers and practitioners in the field of conflict management. Afzalur Rahim's work on organizational conflict management has garnered 2309 citations, reflecting its significant impact on the study of conflicts within organizational settings. Rahim proposes a theoretical framework for understanding and managing conflicts in organizations, emphasizing the importance of interpersonal and intergroup dynamics. This work has been pivotal in advancing the theory and practice of conflict management in organizational behavior and human resource management.

JS Levy's publication on case study methodologies has received 1862 citations, highlighting its importance in the research community. Levy provides a comprehensive examination of different types of case studies, their designs, and the logical frameworks for drawing inferences. This work is

crucial for researchers employing case study methods, offering valuable guidance on how to design and interpret case studies effectively. The recent work by Mitchell and Sutherland, with 1693 citations, focuses on evidence-based teaching strategies in special and inclusive education. The authors review and synthesize research on effective practices for educating students with special needs, providing practical recommendations for educators. This book has become an essential resource for those involved in inclusive education, emphasizing the use of evidence-based approaches to improve educational outcomes.

Roger Slee's influential book, cited 1510 times, critiques traditional schooling systems and their tendency to exclude students who do not fit the normative mold. Slee argues for more inclusive educational practices that accommodate diverse learners, challenging the existing paradigms of exclusion. This work has contributed significantly to the discourse on inclusive education and the need for systemic change. Kenneth W. Thomas's reflections and updates on conflict and its management have been cited 1399 times, underscoring the enduring relevance of his insights. Thomas revisits his earlier work and incorporates new developments in the field, providing a comprehensive overview of conflict management strategies. This publication is a key reference for understanding the evolution of conflict management theories and practices.

The collaborative work, cited 1344 times, addresses conflicts arising in conservation efforts. Redpath and colleagues explore the sources of conservation conflicts and propose strategies for their management, emphasizing the need for stakeholder engagement and collaborative problem-solving. This publication has been influential in the field of environmental management and conservation. Firestone and Pennell's study on teacher commitment and working conditions has received 1338 citations, reflecting its impact on educational research. The authors investigate the factors that influence teacher commitment and the role of differential incentive policies in shaping working conditions. This work is essential for understanding how to foster teacher commitment and improve educational outcomes through better working conditions and policies.

Ainscow and Sandill's work, with 1276 citations, examines the role of organizational cultures and leadership in developing inclusive education systems. The authors argue that creating an inclusive educational environment requires strong leadership and a supportive organizational culture. This publication has been instrumental in guiding schools and educational systems towards more inclusive practices. Benjamin Reilly's book, cited 1203 times, explores the role of electoral systems in managing conflicts in divided societies. Reilly examines how different electoral engineering strategies can promote democracy and mitigate conflicts in societies with deep divisions. This work is significant for policymakers and scholars interested in the intersection of electoral systems and conflict management.

4.5 Author Visualization

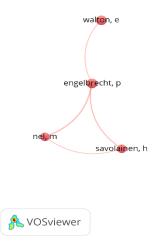




Figure 3. Author Visualization Source: Data Analysis Result, 2024

The VOSviewer map provided illustrates the collaboration network among authors in the field of inclusive education, revealing two distinct clusters of closely collaborating researchers. The red cluster, featuring authors such as Engelbrecht, P.; Walton, E.; Nel, M.; and Savolainen, H., indicates a strong collaborative network centered around Engelbrecht, P. This group's interconnectedness suggests they share similar research interests and frequently co-author studies, potentially focusing on areas like policy development, educational practices, or the integration of inclusive education systems. The collaborative ties within this cluster highlight their significant contributions to the field through shared goals and coordinated efforts.

The green cluster includes authors like Sharma, U.; Forlin, C.; and Woodcock, S., with Sharma, U. as the central figure. This cluster likely concentrates on different aspects of inclusive education, such as teacher training, attitudes towards inclusion, and practical implementation strategies. The strong connections among these authors suggest a cohesive body of work addressing specific challenges and solutions within inclusive education. By visualizing these collaboration networks, the map identifies influential researchers and potential areas for future research collaborations, highlighting the thematic focus areas and the significant contributions of these research groups to the advancement of inclusive education.

4.6 Density Visualization

| special educational need | | | | | | | |
|--------------------------|---------------------|-------------------|--------------------|---------------|--|--|--|
| | | | | | | | |
| primary school | | | | | | | |
| community | | | | | | | |
| | perception | | | | | | |
| culture learning | | | attitude | | | | |
| conflict resolution | inclusive education | on | inclusive practice | self efficacy | | | |
| quality education | teaching | skill | teachers attitude | belief | | | |
| dana? | | inclusive setting | | ting | | | |
| society | | | | | | | |
| inclusive education (| policy | | | | | | |
| education policy | | | | | | | |

Figure 4. Density Visualization Source: Data Analysis Result, 2024

Figure 4 above offers a visual representation of the concentration and prominence of various research topics within the field of inclusive education. The heatmap uses color intensity to indicate the density of publications associated with each keyword, with warmer colors (yellow and green) representing higher density and cooler colors (blue and purple) indicating lower density. This visual tool helps identify key areas of focus, research trends, and potential gaps in the existing literature.

Based on the analysis of the heatmap, several potential research areas emerge that warrant further exploration. Given the high density of publications around teaching and learning, there is a need for innovative research on teaching strategies that effectively address the diverse learning needs of students in inclusive classrooms. Future studies could explore the development and implementation of differentiated instruction techniques, the use of technology to support diverse learners, and the impact of culturally responsive teaching practices on student outcomes. The emphasis on attitudes and self-efficacy indicates a critical need for research on effective teacher training and professional development programs. Future studies could investigate the specific components of training programs that enhance teachers' self-efficacy and positive attitudes towards inclusive education. Additionally, research could examine the long-term impact of such programs on teachers' practices and student outcomes.

The focus on perception and special educational needs suggests an opportunity for research that delves deeper into the perceptions and experiences of various stakeholders, including students with special needs, their parents, and educators. Understanding these perspectives can provide valuable insights into the challenges and successes of inclusive education and inform the development of more inclusive and supportive educational practices. The moderate density of publications around inclusive education policy and conflict resolution points to a need for research on the implementation and impact of inclusive education policies. Future studies could explore how policies are enacted at the school and district levels, the barriers to effective implementation, and the outcomes of these policies on educational equity and quality. Additionally, research could examine the role of policy in addressing conflicts and promoting a harmonious and inclusive school environment. Research on conflict resolution in inclusive education is another potential area of interest. Future studies could investigate the types of conflicts that arise in inclusive classrooms, the effectiveness of different conflict management strategies, and the role of school leadership in fostering a supportive and conflict-free environment. This research could provide practical guidance for educators and policymakers on managing conflicts constructively and maintaining a positive school climate. The connection to community involvement suggests a need for research on the role of communities in supporting inclusive education. Future studies could examine how community partnerships, parent engagement, and local resources contribute to the success of inclusive education initiatives. This research could identify best practices for fostering strong community-school collaborations and leveraging community assets to support diverse learners.

CONCLUSION

The bibliometric analysis of inclusive education reveals several key insights. The identification of thematic clusters highlights the centrality of inclusive education, with significant research focused on teaching and learning, attitudes and self-efficacy, perceptions and special educational needs, and policy implementation and conflict resolution. Analyzing research trends over the years shows a dynamic evolution in the field, with increasing attention to innovative teaching strategies, effective teacher training, and stakeholder perceptions. These trends underscore the critical need for ongoing research in these areas to support the successful implementation of inclusive education practices. The heatmap analysis further identifies potential research opportunities, emphasizing the development of differentiated instruction techniques, the impact of culturally responsive teaching, and the role of community involvement in supporting inclusive education. Finally, the author collaboration map reveals distinct research networks, highlighting influential researchers and collaborative efforts that drive the field forward. Together, these insights provide a comprehensive understanding of the current state of research in inclusive education and identify crucial areas for future investigation to enhance educational outcomes for all students.

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