

A bibliometric Odyssey through Guidance and Counseling Research (1939-2023)

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Abstract

This study employs a scientometric approach to map the development and direction of research in guidance and counseling, drawing insights from publications indexed in the Scopus database. Covering the period from 1939 to 2023, the analysis encompasses all relevant journals within the platform. Utilizing a combination of Excel and R/R-Studio, the research delves into the data, while VOSviewer serves as a visual tool to explore the co-occurrence of keywords and document citations. The initial search yielded 5671 publications that aligned with the established criteria regarding function, subject area, and relevance. Key findings from the analysis reveal a remarkable annual growth rate of 9.26% in guidance and counseling research, reaching a peak in 2022. The United States emerges as the leading contributor in terms of publications, with Harvard University boasting the most affiliated publications. Among individual researchers, Chan, F stands out as the most prolific author in the field. It's crucial to acknowledge that the bibliometric analysis in this study was confined to the Scopus database. Future research would benefit from incorporating additional national and international databases for a more comprehensive understanding of the field. Ultimately, this study offers a valuable snapshot of the existing literature accessible to education researchers interested in guidance and counseling, paving the way for further exploration and innovation in this crucial domain.

Keywords: *guidance, counseling, human, attitude, age*

Introduction

Providing continuous, structured, and objective Guidance and Counseling services within educational units is crucial for promoting students' life readiness (O'Shea et al., 2021). This requires trained Guidance Counselors and teachers collaboratively implementing well-designed programs (Gold et al., 2022; Katri Maria et al., 2021; Ramayulis & Mulyadi, 2016).

Many issues faced by students transcend the scope of regular teachers (Huang, 2022; Liu & Liu, 2022; Ning, 2023). This underscores the importance of Guidance and Counseling, particularly Islamic guidance, in equipping students with necessary knowledge, skills, and positive attitudes (Cardwell et al., 2012; Lewis et al., 2012; Saravanan et al., 2020). This empowers them to navigate their academic and personal journeys, fulfilling their developmental potential (Eklund et al., 2020; Magnano et al., 2022; Ningue, Galibois, & Blaney, 2021; Pravesti et al., 2020). Ultimately, Guidance and Counseling helps students become exemplary schoolmates, responsible citizens, and devoted servants of Allah SWT (Abkhezr & Tang, 2023; Enoch et al., 2022; Purwanta, 2020; Radha, Devi, & Smith, 2021).

Critically analyzing existing research in this field paves the way for future advancements and informs strategic development plans for educational institutions. This analysis heavily relies on accurate and readily available data from scientific research activities.

Bibliometric criteria play a vital role in this evaluation process, enabling assessment of knowledge interaction, creation of scientific field maps, and monitoring the emergence of new knowledge (Belmonte et al., 2020; Boquera et al., 2021; Zheng et al., 2019). This study aims to map the development and trajectory of research in publications indexed in the Scopus database from 1939 to 2023.

Research Methodology

This study employs a bibliometric analysis approach. Data from the Scopus database covering the period 1939-2023 was retrieved using Boolean search queries. Analysis tools from R and Rstudio, VosViewer, and Microsoft Excel were employed to analyze citations, document content, and networks. The data analysis process involved three key steps:

1. Literature Review: A comprehensive literature review was conducted to ensure the inclusion of relevant research in the bibliometric analysis. This review also guided the selection of appropriate keywords to define the research scope.

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2. Data Retrieval: Utilizing the Boolean operator TITLE-ABS-KEY (advice AND guidance), 5671 documents were initially retrieved from Scopus. Further filtering using the Boolean operator TITRE-ABS-KEY (advice AND instruction) AND (LIMIT-TO (DOCTYPE, "ar")) AND (LIMIT-TO (SRCTYPE, "j")) AND (LIMIT-TO (English")) yielded a final set of 5,467 articles.
3. Data Analysis: The final set of research papers was analyzed using Scopus and R and Rstudio tools to assess various aspects, including the number of publications per year, author productivity, institutional affiliations, country-level contributions, and subject/field distribution.



Figure 1. Research Process

Result and Discussion

a. Document Analysis

Essential Information About the Data

Table 1 provides an overview of the 5671 documents collected over 99 years. Includes 11402 authors, 2332 single authors, 11.48% international authorship collaboration, 207444 references with an average citation per document of 6538 citations.

Table 1. Research Information

Description	Result
MAIN INFORMATION ABOUT DATA	
Timespan	
Sources (Journals, Books, etc)	
Documents	
Annual Growth Rate %	
Document Average Age	
Average citations per doc	
References	
DOCUMENT CONTENTS	
Keywords Plus (ID)	
Author's Keywords (DE)	
AUTHORS	
Authors	
Authors of single-authored docs	
AUTHORS COLLABORATION	
Single-authored docs	
Co-Authors per Doc	
International co-authorships %	
DOCUMENT TYPES	
Article	
Book	
book chapter	
conference paper	
conference review	
data paper	
Editorial	
Erratum	
Letter	
note	
retracted	
review	
short survey	

Document by Year (taken from Scopus)

Figure 2 shows the development of publications on the theme of guidance and Counseling by year. Documents on guidance and Counseling first appeared in 1939. Publications began to stagnate in 1940-2005 and peaked in 2022.

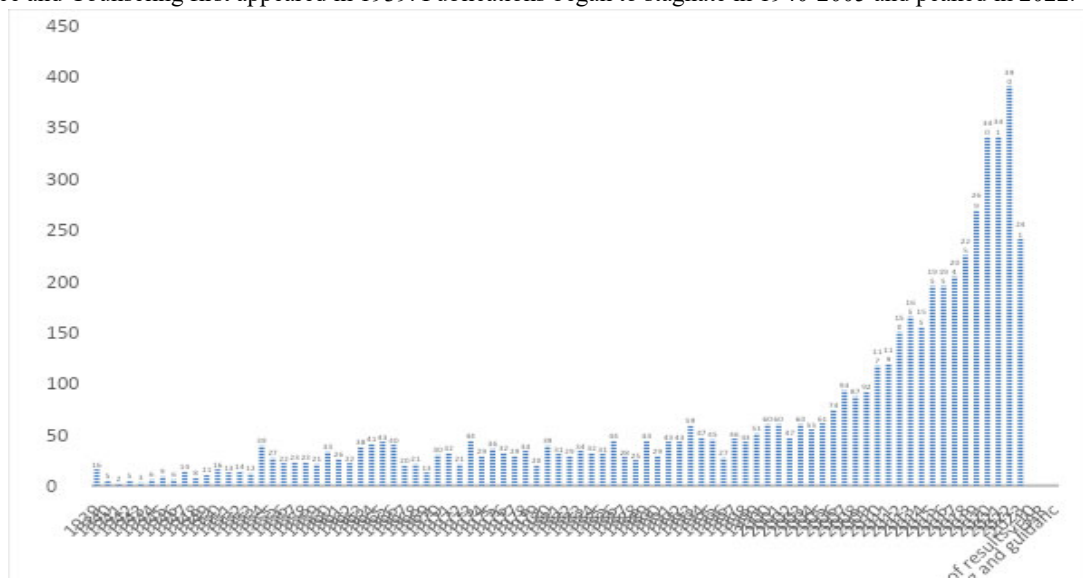


Figure 2. Document by Year

Most Relevant Authors

Figure 3 shows the ten most influential authors in publications on guidance and Counseling. Chan, F leads with 12 publications, followed by Super, D.E., Wrenn, and Yuen, M. with nine publications each.

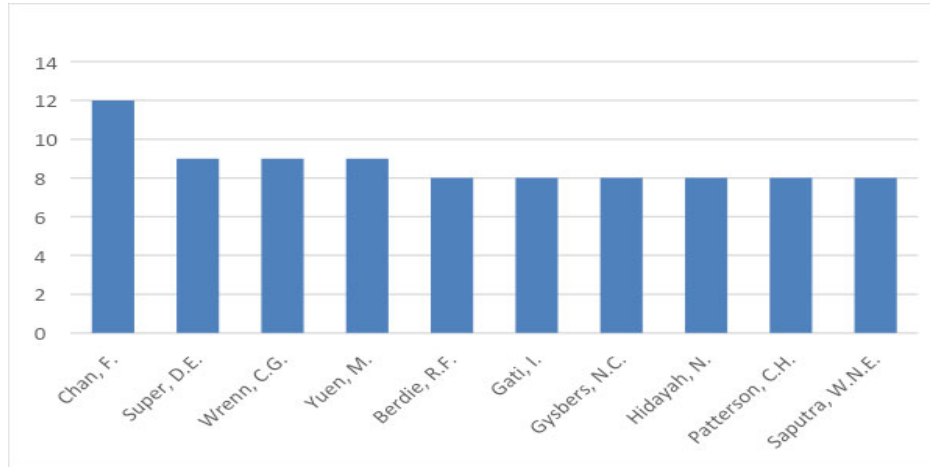


Figure 3. Document by Author

Documents by Affiliation

Figure 3 shows the top 10 most influential affiliations in publications on guidance and Counseling (analyzed according to the previous figure). Harvard University is the highest affiliation, followed by Washington University, Minnesota University, Columbia University, Toronto University, California University.

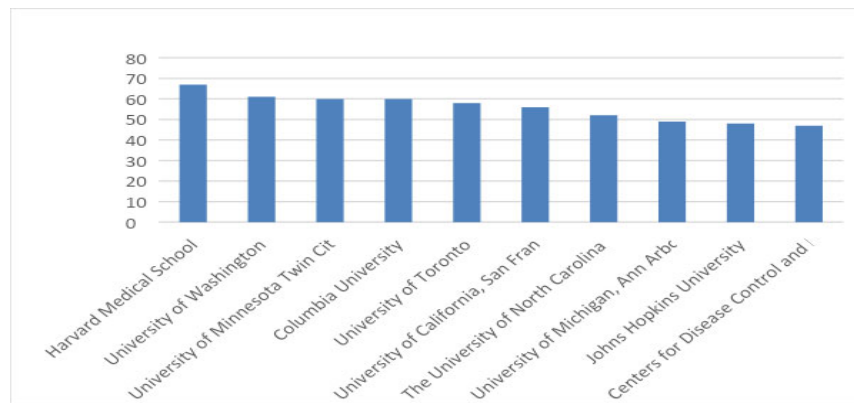


Figure 4. Document by Affiliation

Document by Country

Figure 4 shows the publications by Country on the theme of guidance and Counseling. The United States leads the publications with 2250 documents. The United Kingdom followed them with 510 documents. European countries dominate with a total of 3 countries, while Australian and Asian countries rank second in dominance ; this shows that countries in the European continent popularly research the theme of guidance and Counseling.

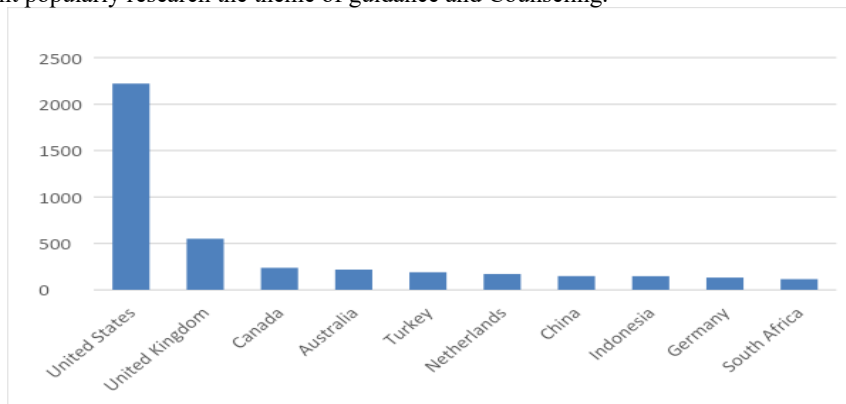


Figure 5. Document by Country

Document by Source

Figure 4 shows the documents based on the source ; most documents are sourced from family planning documents, with a total of 65, followed by religions, with a total of 53 ; a third journal of adolescents.

Three-Field Plot

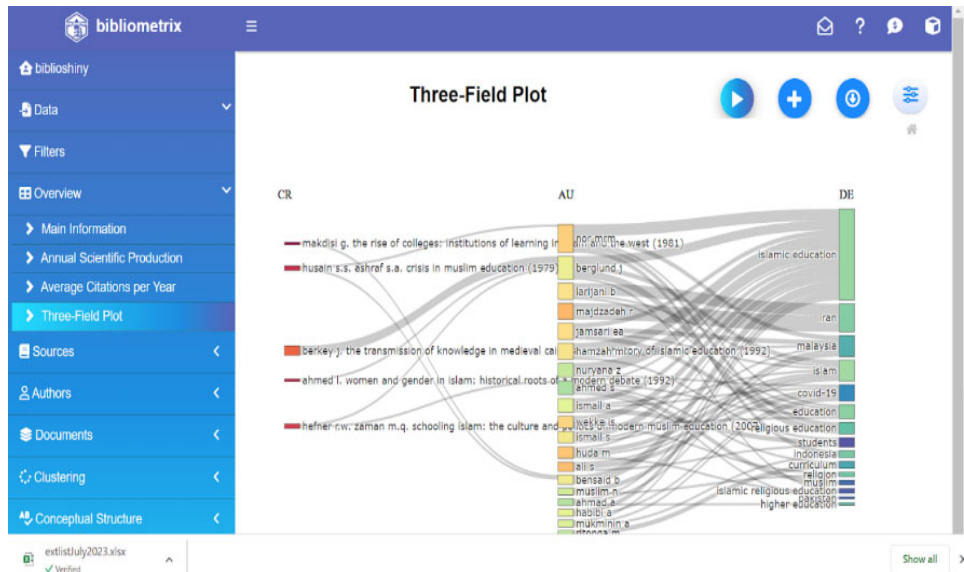


Figure 6. Field Plot

Figure 5 contains three elements observed as a reference, author name, and keywords used. The three elements are then connected by gray plotlines related to each other. Based on the journal name, each journal shows which authors most frequently contribute to its publications, especially those with the theme of guidance and Counseling.

The size of the plot shows how many publications are related to the theme. Based on the figure above, there are 20 journals. The journal that publishes the most research on guidance and Counseling is the Institution of Learning, shown in dark red and associated with several authors such as Bensaïd.

Based on the figure above, there are 20. The size of the bar chart shows how many research publications from each author. Among these ten authors, the one who wrote the most articles with the keywords guiding and Counseling was Bensaïd.

Most Global Cited Document

The paper with the most considerable total citations is Rollinson D, and the paper with Tc per Year is Rollinson D. The higher TC affects TC per Year. The year of publication does not affect TC.

Table 2. Most Global Cited Document

Paper	Total Citations	TC per Year	Normalized TC
Rollinson D, 2013, Acta Trop	400	36.36	38.13
Fleischmann A, 2008, Bull Who	342	21.38	19.20
Yousef Da, 2001, Pers Rev	265	11.52	7.41
Ramadan T, 2009, Radic Reform: Islam Ethics And Lib	238	15.87	13.17
Buijs Ae, 2009, Landsc Urban Plann	235	15.67	13.01
Al-Qahtani Aay, 2013, J Comput Assisted Learn	183	16.64	17.45
Wall Ll, 1998, Stud Family Plann	180	6.92	7.44
Eickelman Df, 1978, Comp Stud Soc Hist	176	3.83	2.00

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