

Exploring the Frontiers of Data Science and Bibliometrics

INTRODUCTION

In the rapidly evolving landscape of Data Science and Bibliometrics, the Journal of Data Science, Informetrics, and Citation Studies serves as a crucial platform for disseminating innovative research and insights. The current Volume 3, Issue 3, Sep-Dec 2024, presents a diverse array of articles that highlight significant contributions to the field and reflect the dynamic interplay between data analytics and scholarly communication. This editorial aims to synthesize the key themes and findings from the articles presented in this issue, offering a comprehensive overview of contemporary research trends and their implications for libraries, researchers, and policymakers.

Pakistan's Contribution to COVID-19 Research: A Scientometric Analysis of Publications from 2020-2023

Brij Mohan Gupta and colleagues provide a thorough scientometric analysis of Pakistan's contributions to COVID-19 research over the past three years. This research is particularly timely, given the global emphasis on understanding and mitigating the impacts of the pandemic. The authors employ bibliometric methods to analyze publication trends, collaboration patterns, and citation impacts, revealing significant insights into the country's research output during a critical period. Their findings underscore the importance of national research agendas in addressing global health crises and highlight the collaborative efforts of Pakistani researchers in the international scientific community.

Journal of Documentation: A Bibliometric Study of Papers Published from 2000 to 2023

Kailash Chandra Garg and his team delve into a bibliometric study of the Journal of Documentation, examining its publication trends from 2000 to 2023. This analysis provides a historical perspective on the journal's evolution, identifying key themes, influential authors, and citation patterns. By mapping the trajectory of research published in this journal, the authors contribute valuable insights into the development of documentation studies and informetrics. This study not only serves as a resource for researchers interested in the journal's impact but also highlights the broader trends in the field of information science.

Discovering Invisible Scholarship of Electronic Theses and Dissertations (ETDs): A Critical Analysis

In their critical analysis, Nabi Hasan and Manu Talagavadi Raju explore the often-overlooked scholarship represented by electronic theses and dissertations (ETDs). The authors argue that ETDs are a vital component of academic research output, yet they remain underutilized in bibliometric analyses. By examining the visibility and accessibility of ETDs, the authors call for a reevaluation of how scholarly contributions are measured and recognized. This paper challenges traditional metrics of academic success and advocates for a more inclusive understanding of research impact.

Bibliometrics Research in India: A Scientometric Assessment of High-Cited Publications During 1994-2023

S. M. Dhawan and colleagues present a scientometric assessment of high-cited publications in bibliometrics research in India from 1994 to 2023. This comprehensive study identifies key contributors, influential works, and emerging trends in the field. The authors highlight the growing importance of bibliometrics as a research area in India, reflecting the country's increasing engagement with global scholarly communication. This analysis not only showcases India's contributions to bibliometrics but also emphasizes the need for continued investment in research infrastructure and capacity building.

Bridging Perspectives between Bibliometric Analysis and Data Analytics in the Realm of Literature Study: A Case Study Exploration

Prajna Ghosh and her co-authors bridge the gap between bibliometric analysis and data analytics in their case study exploration. They argue that integrating data analytics techniques into bibliometric studies can enhance the understanding of research dynamics and trends. By employing advanced analytical methods, the authors demonstrate how data-driven approaches can provide deeper insights into citation patterns and research impact. This paper advocates for a multidisciplinary approach to bibliometrics, encouraging researchers to leverage data analytics tools to enrich their analyses.

A Bibliometric Analysis of Purchase Intention and Brand Evaluation, 1988-2024

Wu LingLing and colleagues conduct a bibliometric analysis of the literature on purchase intention and brand evaluation spanning several decades. This study reveals the evolution of research in this area, identifying key themes, methodologies, and influential publications. The authors highlight the



DOI: 10.5530/jcitation.3.3.25

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significance of understanding consumer behavior in the context of brand evaluation, particularly in an increasingly competitive marketplace. Their findings underscore the importance of bibliometric analyses in mapping the development of research fields and informing future studies.

Dr. Abed Chaudhury, Bangladeshi-Australian Gene Scientist: A Scientometric Portrait

Susanta Koley presents a scientometric portrait of Dr. Abed Chaudhury, a prominent Bangladeshi-Australian gene scientist. This biographical analysis highlights Dr. Chaudhury's contributions to genetic research and his impact on the scientific community. By examining his publication record and citation metrics, the author provides insights into the career trajectory of a leading researcher, illustrating the interplay between individual contributions and broader scientific advancements. This portrait serves as a reminder of the importance of recognizing and celebrating the achievements of researchers from diverse backgrounds.

Unravelling the Movements in the Transgender Health Research of the Past 20 Years

Hasbi Alikunju's exploration of transgender health research over the past two decades sheds light on a critical yet often marginalized area of study. The author reviews the evolution of research in this field, identifying key themes, challenges, and advancements. By highlighting the importance of inclusive health research, this paper advocates for greater attention to the health needs of transgender individuals. The findings underscore the necessity of interdisciplinary approaches to address the complexities of health disparities faced by marginalized communities.

Documentation of Indigenous Medicinal Knowledge of Select Tribal Communities of West Bengal

In their study, Bidyarthi Dutta and colleagues document the indigenous medicinal knowledge of select tribal communities in West Bengal. This research emphasizes the importance of preserving traditional knowledge systems and their relevance to contemporary healthcare practices. By documenting indigenous practices, the authors contribute to the broader discourse on cultural heritage and the role of traditional medicine in public health. This study serves as a vital reminder of the need to respect

and integrate indigenous knowledge into modern healthcare frameworks.

Leveraging Google Web Stories: A Dynamic Tool for Libraries to Engage and Educate

The perspective paper by Manjunath Kaddipujar and Shankaragouda Gundakanal introduces Google Web Stories as an innovative medium for libraries to enhance user engagement and education. In an era where digital content consumption is at an all-time high, libraries must adapt to the changing preferences of their patrons. The authors argue that Google Web Stories, with their visually appealing and interactive format, can serve as an effective tool for libraries to promote resources, services, and educational content. This paper not only highlights the potential of new media in library science but also emphasizes the need for libraries to embrace digital transformation to remain relevant in the information age.

Book Reviews and Website Review

The issue also features insightful book reviews by Anup Kumar Das, covering topics such as leadership styles and the development of India's dairy sector. These reviews provide critical perspectives on influential works that shape our understanding of leadership and agricultural advancements in India. Additionally, the website review of Elsevier's RIMS solution by Chaman Sab M and colleagues highlights the potential of digital platforms to unlock research potential and enhance scholarly communication.

CONCLUSION

The articles presented in this volume of the Journal of Data Science, Informetrics, and Citation Studies reflect the rich tapestry of research in data science, bibliometrics, and related fields. From innovative approaches to library engagement to critical analyses of health research and indigenous knowledge, this issue underscores the importance of interdisciplinary collaboration and the need for inclusive research practices. As we move forward, it is essential to continue exploring these themes, fostering a deeper understanding of the complexities of scholarly communication, and advocating for the recognition of diverse contributions to the global research landscape. The insights gained from this volume enrich our understanding of current trends and pave the way for future research endeavors that address pressing societal challenges.

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