

A Comprehensive Guide to Writing High-Impact Scholarly Articles: Strategies for Success in Business and Management

Mohamed Husni Ali Athamneh

Department of Business & Management, Independent Researcher.

<https://orcid.org/0000-0001-6856-0862>

ABSTRACT: Publishing high-impact scientific publications in reputable journals necessitates a deliberate, well-informed approach that is consistent with current research trends and journal guidelines. This paper offers a complete guide on writing influential research articles in the fields of management and business. This article discusses key concepts for effective academic writing, identifies developing global trends in business research, and provides concrete solutions for improving the quality and relevance of scholarly work. Furthermore, the paper discusses crucial characteristics of persuasive writing, such as developing captivating narratives and demonstrating innovation and intellectual contribution. This paper attempts to aid researchers in producing publications with a significant effect in high-impact journals by emphasising originality, methodological rigour, and scholarly relevance.

KEYWORDS: Academic publishing strategies, High-impact scholarly writing, Business and management research, Emerging research trends, Persuasive academic writing, Scholarly paper guidelines, Originality in academic writing, Methodological rigor in business research.

1. INTRODUCTION

Publishing research findings in high-impact scholarly journals is an important step towards increasing academic knowledge, influencing industrial practices, and directing future research. However, the publication process requires rigorous peer review, which frequently results in changes, rejections, or conditional acceptances, making it a difficult task, especially for early-career researchers (Wolfram et al., 2020). The phrase "Publish," coined by Coolidge in 1932, emphasizes the importance of scholarly dissemination, a philosophy that is increasingly emphasized in contemporary academia. This necessity extends beyond academia, as research outputs contribute to decision-making, policy development, and business practices (Choorakutti, 2018).

High-impact academic writing in management and business requires a strategic approach that is consistent with current research trends and meets the standards of renowned journals. Understanding and executing the principles of successful scientific writing can considerably increase the likelihood of acceptance in prestigious publications. This work seeks to give a thorough guide for authors looking to publish impactful research articles by summarising the key principles of high-impact scholarly writing, detecting new trends, and providing concrete success tactics (Delias et al., 2022; Holley, 2023).

The introduction portion of an academic manuscript marks its beginning since it defines the basic framework, significance, and relevance in the context of the chosen subject matter. The introduction acts as a light, illuminating the justification for the research attempt and therefore answering the fundamental question: "What motivated the undertaking of this research and why does it merit attention?" Understanding the art of writing an excellent introduction is crucial since it not only sets the thematic environment but also attempts to pique the reader's curiosity (Dwivedi et al., 2022). In this regard, the introduction must achieve three key objectives (Williamson, 2021):

- 1. Research Significance:** It is critical to provide a coherent explanation of the research's significance, including its relevance within the academic realm or the larger societal context. This demarcation explains why the study is relevant and how it adds to existing knowledge or practice.
- 2. Prior Knowledge:** A thorough review of existing literature on the subject is required. This requires citing foundational studies, particularly recent systematic reviews, that serve as the foundation for the current research. The emphasis should be on original and significant contributions, while carefully explaining how they relate to the current research.

3. **Research gaps:** Careful identification of gaps or lacunae in the existing corpus of information is required. This critical review highlights areas where scholarly study is lacking, indicating the need for further investigation or empirical scrutiny.

Conciseness is essential while writing the introduction, with the ideal length often covering 3 to 4 paragraphs. The introduction concludes with a concise statement outlining the purpose of the investigation. This proposal is inextricably linked to the identified knowledge gap defined in the introduction, giving a seamless transition into the following portions of the manuscript (Cooper, 2015).

Besides, to write scholarly articles that are unique and of high quality, writers need to understand how to apply scientific concepts to the composition and dissemination of academic writing. Different article categories in academic writing provide fundamental frameworks for carrying out and efficiently communicating research.

Table 1 classifies academic article types, highlighting their unique traits and contributions to the field.

Table 1 Classification of the articles.

No.	Type	Description
1	Original Research	The most prevalent kind of submission to a journal is an original article. It is employed to publish complete research data sets.
2	Commentary Article	Critically assess recent scholarly publications, to improve dialogue within research communities by adding multiple perspectives on journal-specific themes.
3	Conceptual Paper	Seeks to enhance our comprehension of a theory or phenomenon that remains incompletely elucidated.
4	Letter to Editor	Serves as a succinct form of communication that addresses themes of reader interest. Its publishing in journals is subject to editorial review, intending to provide feedback on previously published papers.
5	Editorial	Academic editorials express journal editors' opinions, which frequently respond to published papers and reflect the journal's official viewpoint and policy.
6	Perspectives / Viewpoint	Provide short evaluations of popular ideas, stressing synthesis and opinion as secondary sources of knowledge.
7	Case Study	A research design that entails an in-depth and comprehensive examination of current occurrences in a factual situation.
8	Case Series	Descriptive research that provides extensive information about a collection of similar cases without using comparison.
9	Case Report	A detailed assessment of a specific case that explains the testing process, actions, and research findings.
10	Review Article	an evaluation of prior research on a topic, including an analysis, synopsis, criticisms, and often suggestions for further research.
11	Systematic Review	Carefully compiles, and synthesizes the body of knowledge on a subject to draw comprehensive conclusions.
12	Meta-analysis	Scholarly synthesis, and statistical analysis of several studies to produce thorough conclusions on a particular topic.

*Note: The data in this table has been sourced from various publishers, including Springer Nature Switzerland,

Emerald Group Publishing, Sage Publications, Nature Publications, Elsevier, and ASM Journals (Kalal et al., 2021; Fàbregues & Fetter, 2019; Alpi & Evans, 2019; El-Gilany, 2019; Gupta et al., 2018; Tawfik et al., 2019). The article classifications, as seen in Table 1, highlight the need for researchers to understand the differences between these groups before submitting their manuscripts to peer-reviewed journals. Furthermore, it is important to remember that the information contained in these categories could change depending on the topic and publishing guidelines of the specific journals. As such, it is recommended that researchers regularly review the specific guidelines and requirements given by journals to make sure that they are in line with their manuscript submissions.

2. OVERVIEW OF LITERATURE REVIEW

Scholarly writing and impactful publications are essential for connecting theory and practice, offering evidence-based insights that inform decision-making, guide policy development, and influence industry practices. Their significance is underscored by their ability to drive innovation and strategic direction within organizations (Rynes & Bartunek, 2017; Overton, 2024).

The development of academic writing in management and business reflects the growing complexity of business environments and the need for interdisciplinary approaches. At first, most of the studies in these areas were descriptive and concentrated on case studies and managerial practices. As time went on, the focus changed to theoretical development, statistical rigour, and empirical approaches (Kieser & Leiner, 2009; Guerras-Martin et al., 2014). To represent the dynamic nature of business difficulties, modern research increasingly incorporates a variety of methodologies, such as mixed, quantitative, and qualitative approaches. This development demonstrates the field's maturity and adaptability to the complex problems that contemporary organizations face (Edmondson & McManus, 2007; Matović & Ovesni, 2023).

Publication in high-impact journals necessitates meeting strict requirements, which include methodological soundness, contribution clarity, and scope alignment. These standards guarantee that published research has both practical implications and theoretical advancements. Publication success may be hampered by the difficulties that many writers face in presenting their findings and coordinating their work with journal requirements. To generate papers that significantly advance the field, addressing these issues requires a strategic approach to scholarly writing that prioritizes originality, methodological rigour, and scholarly relevance to produce articles that make meaningful contributions to the field (Zhang, 2014; Prager et al., 2019).

2.1 Critical Review of Existing Literature

The search for high-impact scholarly publications in business and management has received substantial attention, emphasising the need for purposeful and rigorous academic writing. Effective scientific work necessitates clarity, relevance, and methodological rigour, and researchers must manage the complexity of communicating unique contributions while meeting the expectations of varied audiences (Huff, 2009; Fodouop Kouam, 2024; Delias et al., 2024).

Recent studies have highlighted the importance of persuasive communication in academic writing by demonstrating how rhetorical elements can enhance the effect of research. However, Corneille et al. (2023) and Mejri (2023) warned against manipulative methods such as overselling discoveries, misrepresenting existing literature, and exaggerating contributions, which can jeopardise scientific integrity.

In management education, novel instructional approaches have been shown to improve academic writing skills. Sayed (2010) discovered that blog-based peer feedback helped business management students improve their critical thinking and persuasive writing skills. Recent research supports the importance of technology-driven feedback. Zou, Xie, and Wang (2023) found that digital peer, teacher, and self-feedback increased students' collaborative writing, critical thinking, and engagement. Di Zhang et al. (2024) emphasised the impact of feedback interventions in developing second language writing literacy, whereas Zhang and Hyland (2023) emphasised the significance of digital literacy in increasing student engagement with automated writing feedback.

Emerging trends in business research continue to influence scholarly writing. IBM (2023) emphasises the need for AI trust by integrating AI, trustworthy data practices, and adaptable models in transforming business paradigms. Liang et al. (2022) examined the problems and advances in providing trustworthy data for AI, which is crucial for AI-driven innovation. Al-Swidi et al. (2024) investigated how digital transformation promotes CSR-driven green innovation in Yemeni manufacturing SMEs, whereas Oorean et al. (2024) demonstrated that the convergence of sustainability and digitalisation is critical to business model innovation.

The business landscape has also been increasingly influenced by technological innovation, sustainability, and dynamic work paradigms. AI adoption improves business ESG performance and drives green innovation (Zhang & Yang, 2024; Zhong & Song, 2025). Hybrid work models have emerged as critical for post-pandemic organisational strategies, boosting both employee well-being and sustainability (Hopkins & Bardoel, 2023). Digital transformation also helps to advance ESG by mediating the relationship between sustainability practices and company performance (Xu & Yin, 2025). These changes necessitate a rethinking of research methodologies and provide new opportunities for significant business studies.

Collectively, these studies highlight the necessity of connecting research with developing trends, upholding ethical standards, and utilising novel approaches. Addressing these elements is critical for writing high-impact scholarly publications that make a valuable contribution to business and management research.

2.2 Identifying Gaps and Research Opportunities

In achieving the objective of publishing high-impact scholarly publications, identifying gaps in the existing literature is an important step that indicates a thorough awareness of the field's current condition and highlights potential for relevant additions. A comprehensive research evaluation allows researchers to map the intellectual

landscape, identify unresolved difficulties, and situate their findings within existing scholarly discussions (Islam, 2024; Chand, 2023).

To effectively identify research gaps, a systematic strategy is required. Prior research should be critically evaluated to understand its limitations, inconsistencies, and areas that need to be explored further. This evaluation frequently includes analysing the robustness of procedures, the generalisability of findings, and the evolution of theoretical frameworks across time. For example, the dynamic character of management practices in reaction to technological improvements allows researchers to investigate how digital transformation influences strategic decision-making (Verhoef et al., 2021). Furthermore, including sustainability considerations into digital transformation programs has been acknowledged as an important area for future research (Guandalini, 2022).

Furthermore, academics might use emerging trends and societal concerns to generate novel research questions. Recent research highlights the importance of sustainability, digitalisation, and organisational resilience (Bachtiar et al., 2023; Awad & Martín-Rojas, 2024). Scholars are urged to find holes in existing ideas or unexpected circumstances that can bring new insights. Integrating interdisciplinary approaches can open up research opportunities outside traditional bounds (Bachtiar et al., 2023; Awad & Martín-Rojas, 2024).

Finally, identifying research gaps entails not just exposing what is missing, but also explaining how resolving these gaps increases theoretical and practical knowledge. A research gap's significance should be supported by evidence from previous studies, highlighting its importance to both the academic community and practitioners (Azeez & Elegunde, 2022). This allows researchers to successfully position their work for publication in high-impact publications. Identifying gaps necessitates a grasp of the broader landscape of strategic planning and competitive advantage, areas where growing research indicates great prospects for inquiry (Yangailo & Mpundu, 2023).

2.3 Theoretical and Conceptual Framework

The theoretical and conceptual framework provides the foundation for doing academic research in business and management. It provides a systematic approach to comprehending fundamental phenomena and formulating guiding principles for research design, methodology, and evaluation. Scholars can ensure that their work is founded in existing theories while addressing current issues and emerging trends in the field by articulating theoretical assumptions and conceptual constructs (Chukwuere, 2021).

The research literature focuses on theoretical approaches that shed light on the dynamics of organisational behaviour, strategic management, innovation, leadership, and global business practices. For example, Barney (1991) developed the Resource-Based View (RBV) theory, which maintains that companies' unique resources and competences serve as sources of competitive advantage. This theory is frequently used to explain strategic decision-making and the link between organisational resources and performance outcomes (Rao & Brown, 2024). Similarly, Chen et al. (2021) used competitive dynamics and the RBV to develop a comprehensive framework for studying interfirm rivalry and strategic deployment of resources.

Furthermore, current research highlights the importance of dynamic capabilities in helping businesses adapt swiftly to changing business settings (Teece et al., 1997). These frameworks highlight an organization's ability to reorganize resources and innovate in response to external shocks such as technological advancements or market shifts. For example, Heubeck (2023) highlights the necessity of dynamic managerial competencies in navigating complex situations that require continuous change. Similarly, Al-Moaid and Almarhdi (2024) stress the need for change management in establishing dynamic capabilities for successful digital transformation, focusing on sensing, seizing, and changing to maintain a competitive advantage. These findings emphasise the importance of dynamic capacities in responding to changing market conditions.

Beyond classic ideas, contemporary business and management research is increasingly incorporating themes such as sustainability and corporate social responsibility (CSR). Freeman (1984) proposed stakeholder theory, which broadens management by emphasising the engagement of multiple stakeholders in decision-making to enhance business environmental sustainability (Freeman, 2010; Hörisch et al., 2014). Recent research suggests that stakeholder management promotes transparency and proactive environmental measures, hence improving performance and value generation (Freudenreich et al., 2020). This shift emphasises the need to address social, environmental, and ethical issues to achieve long-term success and sustainability.

Furthermore, the rapidly occurring globalisation of markets needs knowledge of cross-cultural management, international corporate strategy, and the consequences of global interconnection. Theories such as Hofstede's cultural dimensions have had a considerable impact on how organisations conduct cross-border operations (Escandon-Barbosa et al., 2021). While institutional theory emphasises the role of regulatory and cultural settings in affecting business practices across different regions (Chand et al., 2023).

Finally, the theoretical and conceptual framework of a research paper should explicitly define how current theories inform the study's challenge, guiding hypothesis generation, data gathering, and analysis. The integration of diverse theoretical perspectives—ranging from strategic management theories to global business frameworks—allows scholars to produce fresh insights that can address both current difficulties and future trends in the business and management discipline.

2.4 Tips to Prepare for Writing

Crafting an original piece in academic writing, particularly for scientific studies, necessitates thorough preparation. The title is often the first point of interaction for readers, determining whether or not they would read more. Subsequently, the careful selection of keywords plays a critical role in enhancing the discoverability of academic works in digital searches. Furthermore, the abstract is important since it provides a summary of the study's methodology, conclusions, and significance. Authors need to become experts in communicating their ideas clearly and succinctly in order to captivate readers and make sure they finish reading the work. Writing the abstract after finishing the article helps one to pinpoint the key elements to highlight. It's important to adhere to the guidelines given by the journal. Generally, an introduction, aims, methodology, findings, and conclusions are arranged in that order (Manterola & Pineda, 2007).

The capacity to express technique, findings, and implications by readers' expectations is essential for successful scientific writing. Achieving this requires careful preparation and execution. A well-designed study without methodological faults is required for publication acceptance. Furthermore, the narrative should provide a compelling scientific message that is well-expressed and logically coherent (Snyder, 2019).

Furthermore, preparing to produce an original academic article requires not only developing compelling titles and abstracts but also assuring the manuscript's general quality. By following these guidelines, authors can improve the readability and effectiveness of their scientific contributions.

3. RESEARCH METHODOLOGY

A scholarly publication requires careful orchestration of multiple components, with the methods section probably being the easiest to describe. This section largely outlines the procedural paths used to answer the study topic, capturing the crucial "how" characteristics of timing, spatial context, and methodological specificity. Its primary goal is to provide an articulate and comprehensive explanation of the methodology used, so providing a framework for future studies, allowing critical appraisal of scientific validity, and promoting comprehension and interpretation of resulting conclusions (Kallet, 2004).

The methods section includes the following: the description of the study design; the contextual explanation of the study setting; the characterization of the study cohort; the explanation of sample calculation methodologies and the corresponding sample size determinations; the explanation of sampling methodologies; the specification of inclusion and exclusion criteria; the explanation of data collection instruments and methodologies therein; the provision of pilot study details; the list of outcome measures; and the description of data analysis methodologies, including statistical tests used and related software utilities. Furthermore, ethical issues demand careful attention (Manterola & Pineda, 2007; Bem, 2021).

An ethics review body's approval is essential to the validity of the research project since it guarantees compliance with moral requirements. As a result, in the methods section, a statement attesting to the acceptance of the research proposal by this entity takes precedence, highlighting the ethical foundations supporting the investigation.

3.1 Research Design

This study adopts a descriptive and analytical research approach to provide a practical framework for producing impactful scholarly writing in management and business. Using a qualitative method, the study undertakes a comprehensive literature analysis to investigate current trends, problems, and best practices in scholarly publication. This methodology allows for a more nuanced analysis of effective tactics for writing impactful scholarly papers by synthesising ideas from current research, emphasising the relevance of methodological rigour, originality, and academic contributions. Such an approach is critical, as literature reviews have become important

in management research, serving as key tools for comprehending current knowledge and identifying future research objectives (Creswell & Creswell, 2017; Kraus et al., 2024).

3.2 Data Collection Methods

This study utilizes a secondary data collection strategy to create a comprehensive roadmap for writing high-impact scholarly publications in business and management. The study relies heavily on peer-reviewed journal articles, academic books, and authoritative reports to investigate academic writing patterns, publishing trends, and management research approaches (Palmatier et al., 2018). A systematic review process was used to ensure methodological rigour. Inclusion criteria were painstakingly set, with a focus on sources of high relevance, credibility, and publishing quality (Transfield et al., 2003). This approach ensures a strong synthesis of current knowledge, allowing for a thorough analysis of effective scholarly writing styles and the changing environment of business and management research.

3.3 Data Analysis Techniques

The obtained data were analyzed using thematic analysis, a method well-known for its ability to uncover and comprehend patterns in qualitative data (Braun & Clarke, 2006; Yanto, 2023). This method entailed meticulously classifying the data. This process enabled a thorough grasp of the issues and solutions involved with writing high-impact research publications in business and management. The thematic analysis produced subtle insights that guided the development of techniques to improve academic writing's quality, creativity, and scholarly contribution (Lim, 2024).

4. RESULTS

The findings of this study are provided in line with a thematic analysis of scholarly writing strategies in management and business research. The analysis found three critical pillars for creating impactful research articles: originality, rigour, and relevance. These pillars are closely aligned with the objectives of high-impact journals, emphasising the necessity of generating new knowledge, using strong methodologies, and addressing significant issues in the field.

Originality: The analysis reveals that high-impact research stands out by making novel contributions to the body of knowledge. This entails finding important research gaps, addressing emerging trends, and providing new insights (Zheng et al., 2022; Yangailo & Mpundu, 2023; Yang et al., 2023).

Rigor: Methodological rigour is essential for high-impact papers. The study found that articles that use extensive and transparent procedures, strong research designs, and rigorous data analyses are more likely to meet the standards of reputed journals. This includes clearly explaining study methodologies, assuring replicability, and recognising methodological limits (Madan et al., 2023; Hor et al., 2025).

Relevance: The analysis emphasises the importance of solving current challenges in industry and society. Articles on topics like as digital transformation, sustainability, and leadership tend to receive more readership and citations. Effectively tying research objectives to real-world issues increases scholarly influence and significance (Brenninkmeijer, 2022).

Generally, an academic article's Results section functions as its central hub, offering a concise overview of the research findings in response to the questions posed. To properly explain the collected data in this area, tables and figures must be used. It is imperative to prevent redundancy by avoiding repeating material in tables and figures. Moreover, the interpretation of results ought to wait for later sections, since the main goal of this one is to summarise the results that have been found. Tables and figures should have titles that are self-explanatory and include all relevant information needed to understand the results without consulting the text (Cooper, 2015).

A preliminary summary of the study's demographic makeup can be obtained by first listing the sample size and the associated participation rate. After that, a methodical presentation of participant attributes lays the groundwork for a logical flow through the analysis that follows. A smooth investigation of the research topics is facilitated by structuring the presentation in a logical order based on the layout of the tables and figures. Interestingly, correlations that are considered insignificant should nevertheless be included because they provide a comprehensive picture of the research environment. To ensure consistency and clarity throughout, the main conclusions drawn from each table and figure should be the only focus of the textual narrative (Arrom et al., 2018).

5. DISCUSSION

The outcomes of this study highlight the vital role of originality, rigour, and relevance in writing high-impact scholarly articles in management and business. These findings are well-aligned with recognised best practices for high-impact publication, emphasising captivating tales, rigorous techniques, and practical applications. Successful publications consistently highlight innovative contributions that provide practical insights and promote academic discourse.

Furthermore, this study finds substantial gaps in available resources, particularly the lack of thorough, strategic guides designed expressly for business and management research. This paper addresses these issues, providing writers with a clear and effective roadmap for publishing in reputable high-impact journals. It promotes clarity, conciseness, and a focus on intellectual contribution, ensuring that manuscripts satisfy the standards of discriminating academic readers.

Moreover, writing a robust discussion section remains a challenging yet vital aspect of scholarly writing. Its main goal is to explain and put the results of the analysis into perspective. Discussion of all relevant results is necessary, not just the ones that are considered statistically significant. The behaviour of repetitively repeating outcomes is a typical mistake that should be avoided. It is advisable, to begin with a summary of the main conclusions and then provide thorough explanations of each one.

Additionally, it is critical to determine whether the study's findings are consistent with previous research, and if not, provide reasonable explanations. To promote openness and academic integrity, the study's advantages and disadvantages should be clearly stated. It is critical to conclude the conversation with well-founded conclusions drawn from the main findings. It is crucial to avoid drawing conclusions that are not supported by empirical data, which is a common mistake found in manuscripts that are being reviewed by peers. Furthering the scholarly discourse entails clarifying the policy and practical consequences of the results as well as suggesting directions for future research (Vintzileos & Ananth, 2010).

The creation of relevant tables and figures relevant to answering the research question is a prerequisite for starting the drafting process. According to conventional wisdom, one should start with the results section and work their way down to the methods, introduction, discussion, and abstract. Table 2 contains extensive instructions for writing each section of a scholarly article, providing a methodical strategy for authors seeking to produce high-quality research papers.

Table 2 Writing Guidelines for Scholarly Articles

❖ Before beginning writing	<ul style="list-style-type: none">➤ Learn about the existing literature.➤ Evaluate your work critically.➤ Choose the right journal carefully.➤ Review the author guidelines offered by your chosen journal in detail.
❖ Choosing a title	<ul style="list-style-type: none">➤ Select a clear and suitable title.➤ Ensuring the title reflects the content of the work.➤ Brief and attractive.
❖ Abstract	<ul style="list-style-type: none">➤ Briefly state the purpose of the study.➤ Summarize the methods used to conduct the research.➤ Highlight the main results of your study.➤ Emphasize the originality of your research.➤ Provide a brief overview of the findings' implications.➤ Ensure that the abstract is clear, concise, and informative.
❖ Keywords	<ul style="list-style-type: none">➤ Should accurately reflect the content of the paper.➤ Choose terms specific to the field of study.➤ Avoid Ambiguity.➤ Keep your keywords to the lengths stipulated in the publication standards.
❖ Authorship	<ul style="list-style-type: none">➤ Adhere to prescribed guidelines➤ Uphold ethical principles➤ Refrain from simultaneously submitting articles to multiple journals.
❖ Summary	<ul style="list-style-type: none">➤ Concisely express the most essential parts of your work.

❖ Introduction	<ul style="list-style-type: none"> ➤ Provide context and justify the work. ➤ Not too long (three paragraphs). ➤ Briefness and attention to the significance of the research, previous knowledge, and knowledge gaps
❖ Methods	<ul style="list-style-type: none"> ➤ Explain thoroughly how the work was done, including the research design, data collection techniques, and data analysis procedures.
❖ Results	<ul style="list-style-type: none"> ➤ Presented in a clear and organized manner. ➤ Utilizing tables where applicable. ➤ Avoid redundancy. ➤ Refrain from expressing personal opinions regarding the results.
❖ Discussion	<ul style="list-style-type: none"> ➤ Compare findings with those of other authors. ➤ Highlighting differences. ➤ Include the limitations. ➤ Avoid making conclusions that exceed the scope of the results.
❖ References	<ul style="list-style-type: none"> ➤ Recent sources. ➤ High-quality references. ➤ Utilize only the necessary ones.
❖ After finishing writing	<ul style="list-style-type: none"> ➤ Read through your paper carefully to check for any grammatical errors, typos, or awkward phrasing. ➤ Make sure your ideas flow logically and that your arguments are clear and well-supported. ➤ Make sure your paper adheres to any formatting guidelines provided by the journal or conference. ➤ Check that the plagiarism ratio fits within the approved ratio by the journals. ➤ Submit your paper.

*Note: The authors prepared the data in this table.

5.1 Keeping Academic Writing Original (Preventing Plagiarism)

Academic and ethical integrity requires that scholarly articles retain their originality. According to the Oxford English Dictionary, plagiarism is the act of taking another person's words, ideas, or works and passing them off as one's own. It is a serious offence that amounts to intellectual theft. Plagiarism commonly manifests as the presentation of ideas by others without acknowledgment, direct copying of text without proper citation, word substitutions without acknowledgment but maintaining the original sentence structure, and self-plagiarism, which is submitting the same manuscript to multiple venues or recycling content from previous publications (Masic, 2019; Kaul and Grewal, 2010).

In order to prevent plagiarism, writers need to follow strict guidelines for citation, correctly quote from sources using quotation marks, and expertly paraphrase concepts by rephrasing them in their own words without changing the content. Using plagiarism detection software can also be a preventative step to ensure that one's work is authentic before submitting it. Even experienced researchers have hurdles while writing an original manuscript for publication, with manuscript rejection being a typical occurrence in academia. Manuscripts may be rejected for a variety of reasons, including departure from the journal's thematic scope, lack of coherence, methodological flaws, disorganized presentation of results, insufficient interpretation of findings, neglect of study implications, or deficiencies in scientific writing and presentation style (Ferro and Fanha Martins, 2016).

In the writing stage, authors can increase the possibility that their work will be submitted for peer review and eventually published by paying close attention to these factors. Therefore, achieving success in academic writing and publication requires careful attention to originality, clarity, and scholarly rigour.

5.2 Authorship: Ensuring Originality in the Writing of Academic Articles

The matter of authorship in the context of research ethics is a matter of great importance that requires careful attention from academic researchers. This discussion focuses on the critical function of authorship in recognizing contributors and determining the duty and liability of the final published content. Given the complexity of authorship, following set rules becomes essential to upholding moral principles and academic honesty (Smith et al., 2020).

Eligibility for authorship depends on the satisfaction of four main requirements, as outlined in the body of existing literature: 1. Significant input on the idea, planning, gathering, analysing, or interpreting of the data for the activity. 2. Putting the work together or critically editing it to improve its intellectual quality. 3. Approving in full the version that will be published. 4. A readiness to take responsibility for every part of the work and, as a result, make it easier to answer questions about the work's accuracy or integrity (Philips et al., 2021).

Authors must make sure that all four requirements are met in order to be considered for authorship; those who don't achieve these criteria will be demoted to acknowledgments. Additionally, current academic publications are increasingly implementing severe authorship policies to govern credit attribution and maintain ethical standards. To summarize, the creation of a high-quality research article requires careful effort and iterative revision. Recognizing the repetitive nature of the writing process, authors must participate in extensive editing and modification to ensure that their paper meets scholarly standards. Errors in spelling, grammar, referencing, and formatting must be avoided at all costs, as they might undermine the trustworthiness of the document. Furthermore, writers should examine their chosen journal's specific rules to guarantee adherence to all required formatting and submission methods. Finally, ethical issues require writers to avoid submitting articles to numerous journals at the same time in order to protect the publication process's integrity (Kaul & Grewal, 2010; Smith et al., 2020; Dwivedi et al., 2022).

6. CONCLUSION

The pursuit of high-impact research publications in business and management journals requires a thorough awareness of the scholarly publishing ecosystem, as well as a dedication to methodological rigour, originality, and creative contribution. The content of this guide has identified key tactics for researchers who want to improve the quality and impact of their research papers. Scholars can create work that connects with the academic community and influences practice and policy by matching research objectives with current trends, generating captivating narratives, and thoroughly confirming findings.

Furthermore, making a clear academic contribution—whether through theoretical development, methodological innovation, or practical implications—remains a critical component of influential research. Authors are urged to situate their work within the context of ongoing debates and unresolved issues, highlighting their contributions as critical to the advancement of the subject. The value of precision, coherence, and clarity in writing cannot be emphasised, as these characteristics allow successful communication and the wider dissemination of research findings.

Finally, excellent scholarly writing in business and management is the result of careful design, execution, and ongoing refining. Through following the ideas outlined in this paper, researchers can improve their chances of publishing in respected, high-impact journals, advancing their disciplines and offering vital insights to academia and beyond.

6.1 Contributions to the Field

The article contributes significantly to the business and management literature by outlining a strategic, evidence-based methodology for writing high-impact research articles. It fills a key need by combining best practices in academic writing, integrating methodological and stylistic approaches with the demands of top journals, and providing actionable insights for researchers at all stages of their careers. This paper offers a practical roadmap for improving the quality and impact of academic work in business and management research by emphasising originality, methodological rigour, and relevance.

6.2 Practical Recommendations

To improve the quality and impact of scholarly writing, scholars must follow a deliberate and informed approach. The following suggestions are made to help researchers create high-impact articles:

Understanding journal requirements and audience expectations is a key initial step in the writing process. This includes an in-depth review of the journal's scope, topic focus, and editorial guidelines. Understanding these characteristics allows authors to properly adapt their submissions, ensuring agreement with both the journal's objectives and the intended readership.

Prioritise Clarity, Conciseness, and Coherence: Effective academic writing is dependent on the capacity to explain difficult concepts clearly and succinctly. Researchers should strive for linguistic precision, ensuring that arguments are rationally formed and that the overall narrative is consistent. Each portion of the text should flow smoothly, allowing readers to readily follow the movement of ideas from one point to the next.

Use this paper as a guide to preparing high-impact articles. The principles and tactics presented in this guide are a useful resource for researchers looking to improve the quality of their scholarly work. Authors can improve the possibility that their works will have a substantial impact in high-quality journals by following the criteria for originality, methodological rigour, and academic relevance.

Stay up to date on emerging trends in management and business research. The dynamic nature of the business and management fields requires a constant awareness of developing trends and changing research approaches. Researchers should actively connect with the latest literature, attend academic conferences, and participate in scholarly conversations to stay current and guarantee their work is relevant and forward-thinking.

Collaborate for feedback and co-authorship opportunities: Collaboration with peers is critical to improving the quality and rigour of scholarly work. Researchers are encouraged to solicit comments from peers and mentors throughout the writing process. Furthermore, co-authorship can bring various perspectives and skills to the table, improving the final result and increasing the likelihood of publication in high-impact journals.

6.3 Limitations and Future Research Directions

The current study's dependence on secondary data poses a possible limitation, particularly in terms of the findings' generalisability. While secondary data can provide useful insights, it may not fully reflect the varied and dynamic nature of academic writing processes in different circumstances. As a result, future study might benefit from using empirical methodologies to validate and improve the proposed strategies for producing high-impact scholarly papers. In particular, studies that investigate the relationship between various writing methods and their impact on acceptance rates, citation impact, and broader scholarly reach will considerably contribute to a better understanding of the elements that drive academic achievement.

Furthermore, the absence of primary data collection in this study limits the empirical validation of the methodology presented here. Future study might bridge this gap by collecting primary data using approaches such as surveys, interviews, or focus groups. Engaging important players in the academic publishing process, such as journal editors, experienced writers, and peer reviewers, would provide a more thorough, real-world understanding of the obstacles and effective tactics for generating meaningful scientific publications. Future studies that draw on these core discoveries may add to a more sophisticated and practical understanding of the dynamics underlying high-impact publishing in business and management research.

REFERENCES

1. Al-Moaid, N. A. A., & Almarhdi, S. G. (2024). Developing dynamic capabilities for successful digital transformation projects: the mediating role of change management. *Journal of Innovation and Entrepreneurship*, 13(1), 85.
2. Alpi, K. M., & Evans, J. J. (2019). Distinguishing case study as a research method from case reports as a publication type. *Journal of the Medical Library Association: JMLA*, 107(1), 1.
3. Al-Swidi, A. K., Al-Hakimi, M. A., Al Koliby, I. S., Hasan, M. B., & Abdul-Talib, A. N. (2024). The role of digital transformation in boosting CSR-driven green innovation among Yemeni manufacturing SMEs. *Discover Sustainability*, 5(1), 299. <https://doi.org/10.1007/s43621-024-00052-9>
4. Arrom, L. M., Huguet, J., Errando, C., Breda, A., & Palou, J. (2018). How to write an original article. *Actas Urológicas Españolas* (English Edition), 42(9), 545-550.
5. Awad, J. A., & Martín-Rojas, R. (2024). Digital transformation influence on organisational resilience through organisational learning and innovation. *Journal of Innovation and Entrepreneurship*, 13(1), 69. <https://doi.org/10.1186/s13731-024-00405-4>
6. Azeez, F. T., & Elegunde, A. F. (2022). Research gaps in management sciences: An x-ray of literature. *International Journal of Innovative Science and Research Technology*, 7(1), 955-962.
7. Bachtiar, N. K., Setiawan, A., Prastyan, G. A., & Kijkasiwat, P. (2023). Business resilience and growth strategy transformation post crisis. *Journal of Innovation and Entrepreneurship*, 12(1), 1-25. <https://doi.org/10.1186/s13731-023-00345-5>
8. Barney, J. B. (1991). The resource based view of strategy: Origins, implications, and prospects. *Journal of management*, 17(1), 97-211.
9. Bem, D. J. (2021). Writing the empirical journal article. In *The Compleat Academic* (pp. 171-201). Psychology Press.
10. Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. *Qualitative research in psychology*, 3(2), 77-101. <https://doi.org/10.1191/1478088706qp063oa>
11. Brenninkmeijer, J. (2022). Achieving societal and academic impacts of research: A comparison of networks, values, and strategies. *Science and Public Policy*, 49(5), 728-738.

12. Chand, A., Jiang, R., & Zhao, Z. (2023). National cultural distance and cross-border M&A. *Asia-Pacific Journal of Accounting & Economics*, 30(5), 1350-1367. <https://doi.org/10.1080/16081625.2021.1947858>
13. Chand, R. (2023). Framework for identifying research gaps for future academic research. *IRA International Journal of Education and Multidisciplinary Studies*, 19(2), 160. <http://dx.doi.org/10.21013/jems.v19.n2.p12>
14. Chen, M. J., Michel, J. G., & Lin, W. (2021). Worlds apart? Connecting competitive dynamics and the resource-based view of the firm. *Journal of Management*, 47(7), 1820-1840. <https://doi.org/10.1177/01492063211000422>
15. Choorakutti, R. M. (2018). Why should clinicians publish? *Gastrointestinal Abdominal Radiology ISGAR*, 1(1), 75-77.
16. Chukwuere, J. E. (2021). Theoretical and conceptual framework: A critical part of information systems research process and writing. *Rigeo*, 11(9).
17. Coolidge, H. J. (1932). Archibald Cary Coolidge. Boston, Massachusetts, United States: Houghton Mifflin.
18. Cooper, I. D. (2015). How to write an original research paper (and get it published). *Journal of the Medical Library Association: JMLA*, 103(2), 67.
19. Corneille, O., Havemann, J., Henderson, E. L., IJzerman, H., Hussey, I., Orban de Xivry, J. J., ... & Lotter, L. D. (2023). Beware 'persuasive communication devices' when writing and reading scientific articles. *ELife*, 12, e88654. <https://doi.org/10.7554/eLife.88654>
20. Creswell, J. W., & Creswell, J. D. (2017). Research design: Qualitative, quantitative, and mixed methods approaches. Sage publications.
21. Delias, P., Falk, M. T., & Ridderstaat, J. (2024). Crafting impactful papers: Expectations and recommendations for Business and management articles. *Heliyon*, 10(1). <https://doi.org/10.1016/j.heliyon.2023.e22871>
22. Di Zhang, E., Liu, C., & Yu, S. (2024). The impact of a feedback intervention on university students' second language writing feedback literacy. *Innovations in Education and Teaching International*, 61(3), 426-442.
23. Dwivedi, Y. K., Hughes, L., Cheung, C. M., Conboy, K., Duan, Y., Dubey, R., ... & Viglia, G. (2022). How to develop a quality research article and avoid a journal desk rejection. *International Journal of Information Management*, 62, 102426.
24. Edmondson, A. C., & McManus, S. E. (2007). Methodological fit in management field research. *Academy of management review*, 32(4), 1246-1264.
25. El-Gilany, A. H. (2019). An overview of writing a case report. *Asploro Journal of Biomedical and Clinical Case Reports*, 2019(1), 1.
26. Escandon-Barbosa, D., Ramirez, A., & Salas-Paramo, J. (2022). The effect of cultural orientations on country innovation performance: Hofstede cultural dimensions revisited?. *Sustainability*, 14(10), 5851. <https://doi.org/10.3390/su14105851>
27. Escandon-Barbosa, D., Salas-Paramo, J., & Rialp-Criado, J. (2021). Hofstede's Cultural Dimensions as a Moderator of the Relationship between Ambidextrous Learning and Corporate Sustainability in Born Global Firms. *Sustainability*, 13(13), 7344. <https://doi.org/10.3390/su13137344>
28. Fàbregues, S., & Fetters, M. D. (2019). Fundamentals of case study research in family medicine and community health. *Family Medicine and Community Health*, 7(2).
29. Ferro, M. J., & Fanha Martins, H. (2016). Academic plagiarism: Yielding to temptation. *British Journal of Education, Society & Behavioural Science*, 13(1), 1-11.
30. Fodouop Kouam, A. W. (2024). Enhancing Rigor in Literature Reviews for Business and Management Research: Avoiding Prevalent Errors. Available at SSRN. <https://doi.org/10.36349/easjebm.2024.v07i02.002>
31. Freeman, R. E. (2010). Strategic management: A stakeholder approach. Cambridge university press.
32. Freudenreich, B., Lüdeke-Freund, F., & Schaltegger, S. (2020). A stakeholder theory perspective on business models: Value creation for sustainability. *Journal of business ethics*, 166(1), 3-18. <https://doi.org/10.1007/s10551-019-04112-z>
33. Góes, H. A. D. A., Fatima, G., Santos Jhunior, R. D. O., & Boaventura, J. M. G. (2023). Managing for stakeholders towards corporate environmental sustainability. *Corporate Social Responsibility and Environmental Management*, 30(4), 1561-1572.
34. Guandalini, I. (2022). Sustainability through digital transformation: A systematic literature review for research guidance. *Journal of Business Research*, 148, 456-471.
35. Guerras-Martin, L. Á., Madhok, A., & Montoro-Sánchez, Á. (2014). The evolution of strategic management research: Recent trends and current directions. *BRQ Business Research Quarterly*, 17(2), 69-76.
36. Gupta, S., Rajiah, P., Middlebrooks, E. H., Baruah, D., Carter, B. W., Burton, K. R., ... & Miller, M. M. (2018). Systematic review of the literature: Best practices. *Academic Radiology*, 25(11), 1481-1490.
37. Heubeck, T. (2023). Looking back to look forward: a systematic review of and research agenda for dynamic managerial capabilities. *Management Review Quarterly*, 1-45.

38. Hofstede, G. (1980). Culture and organizations. *International studies of management & organization*, 10(4), 15-41.
39. Holley, R. P. (2023). Effective written communication for successful management. *Journal of Library Administration*, 63(1), 111-118.
40. Hopkins, J., & Bardoel, A. (2023). The future is hybrid: how organisations are designing and supporting sustainable hybrid work models in post-pandemic Australia. *Sustainability*, 15(4), 3086.
41. Hor, T., Romme, A. G. L., Seckler, C., Verhoeven, B., & Rana, V. (2025). Rigorous research with demonstrable impact. AACSB Insights, 2025. <https://www.aacsb.edu/insights/articles/2025/03/rigorous-research-with-demonstrable-impact>
42. Hörisch, J., Freeman, R. E., & Schaltegger, S. (2014). Applying stakeholder theory in sustainability management: Links, similarities, dissimilarities, and a conceptual framework. *Organization & environment*, 27(4), 328-346.
43. Huff, A. S. (2009). Designing research for publication. Sage.
44. IBM. (2023). 5 Trends for 2024. Retrieved from <https://www.ibm.com/thought-leadership/institute-business-value/en-us/report/business-trends-2024>
45. Islam, R. B. (2024). Strategic methods for emerging scholars: Identifying research gaps to enhance scholarly work. *World Journal of Advanced Research and Reviews*, 23(3), 679-683. <https://doi.org/10.30574/wjarr.2024.23.3.2711>
46. Kalal, N., Rana, N., & Merchant, M. (2021). Types of Research Articles and Research Misconduct: Book Review.
47. Kallet, R. H. (2004). How to write the methods section of a research paper. *Respiratory Care*, 49(10), 1229-1232.
48. Kaul, T. K., & Grewal, A. (2010). Duplicate publications or submissions: An ethical misconduct. *Journal of Anaesthesiology Clinical Pharmacology*, 26(2), 139-142.
49. Kieser, A., & Leiner, L. (2009). Why the rigour-relevance gap in management research is unbridgeable. *Journal of Management Studies*, 46(3), 516-533.
50. Kivits, R., Sawang, S., Kivits, R., & Sawang, S. (2021). Stakeholder theory. The dynamism of stakeholder engagement: A case study of the aviation industry, 1-8.
51. Kraus, S., Bouncken, R.B. & Yela Aránega, A. The burgeoning role of literature review articles in management research: an introduction and outlook. *Rev Manag Sci* 18, 299–314 (2024). <https://doi.org/10.1007/s11846-024-00729-1>
52. Liang, W., Tadesse, G. A., Ho, D., Fei-Fei, L., Zaharia, M., Zhang, C., & Zou, J. (2022). Advances, challenges and opportunities in creating data for trustworthy AI. *Nature Machine Intelligence*, 4(8), 669-677. <https://doi.org/10.1038/s41586-022-00447-1>
53. Lim, W. M. (2024). What is qualitative research? An overview and guidelines. *Australasian Marketing Journal*, 14413582241264619.
54. Madan, S., Johar, G. V., Berger, J., Chandon, P., Chandy, R., Hamilton, R., ... & White, K. (2023). Reaching for rigor and relevance: better marketing research for a better world. *Marketing Letters*, 34(1), 1-12. <https://doi.org/10.1007/s11002-022-09648-1>
55. Manterola, C., & Pineda, V. (2007). ¿ Cómo presentar los resultados de una investigación científica?. *Revista chilena de cirugía*, 59(2), 156-160.
56. Masic, I. (2019). Plagiarism and how to avoid it. A guide to the scientific career: Virtues, communication, research and academic writing, 163-177.
57. Matović, N., & Ovesni, K. (2023). Interaction of quantitative and qualitative methodology in mixed methods research: integration and/or combination. *International Journal of Social Research Methodology*, 26(1), 51-65.
58. Mejri, S. (2023). Approaching Academic Writing as a Persuading Tool. *International Journal of Research and Innovation in Social Science*, 7(6), 401-409. <https://doi.org/10.47772/IJRISS.2023.7630>
59. North, D. C. (1990). Institutions, institutional change and economic performance. Cambridge University.
60. Ogreen, C., Herciu, M., & Tichindelean, M. (2024). Integrating Sustainability and Digitalization in Business Model Innovation. A Bibliometric Study. *Studies in Business and Economics*, 19(2), 307-331. <https://doi.org/10.2478/sbe-2024-0040>
61. Overton. (2024). Bridging the gap between business school research and policymaking. *Financial Times*. <https://www.ft.com/content/356feb40-af73-49ec-9f17-b50bc011b569>
62. Palmatier, R. W., Houston, M. B., & Hulland, J. (2018). Review articles: Purpose, process, and structure. *Journal of the Academy of Marketing Science*, 46,1–5. <https://doi.org/10.1007/s11747-017-0563-4>
63. Philips, K., Rinke, M. L., & Cowan, E. (2021). Approach to authorship for quality improvement and implementation research. *BMJ Quality & Safety*, 30(10), 841-844.

64. Prager, E. M., Chambers, K. E., Plotkin, J. L., McArthur, D. L., Bandrowski, A. E., Bansal, N., ... & Graf, C. (2019). Improving transparency and scientific rigor in academic publishing. *Journal of neuroscience research*, 97(4), 377-390. <https://doi.org/10.1002/brb3.1141>
65. Rao, A., & Brown, M. (2024). A Review of the Resource-Based View (RBV) in Strategic Marketing: Leveraging Firm Resources for Competitive Advantage. *Business, Marketing, and Finance Open*, 1(3), 25-35. <https://www.bmfpopen.com/index.php/bmfpopen/article/view/15>
66. Rynes, S. L., & Bartunek, J. M. (2017). Evidence-based management: Foundations, development, controversies and future. *Annual Review of Organizational Psychology and Organizational Behavior*, 4(1), 235-261.
67. Sayed, O. H. (2010). Developing Business Management Students' Persuasive Writing through Blog-Based Peer-Feedback. *English Language Teaching*, 3(3), 54-66.
68. Smith, E., Williams-Jones, B., Master, Z., Larivière, V., Sugimoto, C. R., Paul-Hus, A., & Resnik, D. B. (2020). Researchers' perceptions of ethical authorship distribution in collaborative research teams. *Science and Engineering Ethics*, 26, 1995-2022.
69. Snyder, H. (2019). Literature review as a research methodology: An overview and guidelines. *Journal of Business Research*, 104, 333-339.
70. Tawfik, G. M., Dila, K. A. S., Mohamed, M. Y. F., Tam, D. N. H., Kien, N. D., Ahmed, A. M., & Huy, N. T. (2019). A step by step guide for conducting a systematic review and meta-analysis with simulation data. *Tropical medicine and health*, 47, 1-9.
71. Teece, D. J., Pisano, G., & Shuen, A. (1997). Dynamic capabilities and strategic management. *Strategic management journal*, 18(7), 509-533.
72. Tranfield, D., Denyer, D., & Smart, P. (2003). Towards a methodology for developing evidence-informed management knowledge by means of systematic review. *British journal of management*, 14(3), 207-222. <https://doi.org/10.1111/1467-8551.00375>
73. Verhoef, P. C., Broekhuizen, T., Bart, Y., Bhattacharya, A., Dong, J. Q., Fabian, N., & Haenlein, M. (2021). Digital transformation: A multidisciplinary reflection and research agenda. *Journal of business research*, 122, 889-901.
74. Vintzileos, A. M., & Ananth, C. V. (2010). How to write and publish an original research article. *American journal of obstetrics and gynecology*, 202(4), 344-e1.
75. Williamson, P. (2021). Writing an Introduction and Conclusion. *Academic Writing Skills*.
76. Wolfram, D., Wang, P., Hembree, A., & Park, H. (2020). Open peer review: Promoting transparency in open science. *Scientometrics*, 125(2), 1033-1051.
77. Xu, J., & Yin, J. (2025). Digital transformation and ESG performance: The chain mediating role of technological innovation and financing constraints. *Finance Research Letters*, 71, 106387.
78. Yang, A. J., Hu, H., Zhao, Y., Wang, H., & Deng, S. (2023). From consolidation to disruption: A novel way to measure the impact of scientists and identify laureates. *Information Processing & Management*, 60(5), 103420.
79. Yangailo, T., & Mpundu, M. (2023). Identifying research gaps in literature related to studies of strategic planning on competitive advantage: A systematic review of literature. *International Journal of Applied Research in Business and Management*, 4(2), 47-70.
80. Yanto, E. S. (2023). The what and how of essential thematic analysis. *The Qualitative Report*, 28(11), 3120-3131.
81. Zhang W (2014) Ten Simple Rules for Writing Research Papers. *PLoS Comput Biol* 10(1): e1003453. <https://doi.org/10.1371/journal.pcbi.1003453>
82. Zhang, C., & Yang, J. (2024). Artificial intelligence and corporate esg performance. *International Review of Economics & Finance*, 96, 103713. <https://doi.org/10.1016/j.iref.2024.103713>
83. Zhang, Z., & Hyland, K. (2023). The role of digital literacy in student engagement with automated writing evaluation (AWE) feedback on second language writing. *Computer Assisted Language Learning*, 1-26. <https://doi.org/10.1080/09588221.2023.2222207>
84. Zheng, H., Li, W., & Wang, D. (2022). Expertise diversity of teams predicts originality and long-term impact in science and technology. *arXiv preprint arXiv:2210.04422*.
85. Zhong, K., & Song, L. (2025). Artificial intelligence adoption and corporate green innovation capability. *Finance Research Letters*, 72, 106480. <https://doi.org/10.1016/j.frl.2024.106480>
86. Zou, D., Xie, H., & Wang, F. L. (2023). Effects of technology enhanced peer, teacher and self-feedback on students' collaborative writing, critical thinking tendency and engagement in learning. *Journal of Computing in Higher Education*, 35(1), 166-185. <https://doi.org/10.1007/s12528-022-09337-y>