

# Management and organizational bibliometric techniques

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Citation: Pezone A. Management and organizational bibliometric techniques. *J Environ Chem Toxicol* 2021; 5(6):1.

## EDITORIAL

One of the most significant responsibilities for furthering an area of study is synthesising previous research findings. To make sense of previous findings, scholars have historically utilised two approaches: the qualitative approach of a systematic literature review and the quantitative technique of meta-analysis. We offer a third method, science mapping, which is based on bibliometric research methods' quantitative approach and is increasingly being utilised to map the structure and evolution of scientific domains and specialties. Science mapping examines the relationships between disciplines, fields, specialties, and individual articles using bibliometric methodologies. It creates a spatial representation of the findings that is similar to a map. Classification and visualisation are combined in science mapping. The goal is to separate elements into distinct categories in order to provide a representation of the study area's structure. After that, visualisation is employed to generate a visual representation of the categorization that is discovered. Narrative literature reviews are prone to researcher bias and frequently lack rigour.

For the description, assessment, and monitoring of published research, bibliometric approaches use a quantitative approach. These strategies have the potential to increase review quality by introducing a systematic, transparent, and repeatable review process. Even before reading begins, bibliometric approaches can help with literature reviews by directing the researcher to the most influential publications and mapping the study topic objectively. Although bibliometric methods are not new, they have only recently gained popularity due to the proliferation of easily accessible online databases with citation data (e.g., Thomson Reuters Web of Science, which includes the Social Science Citation Index and SCI) and the development of software to perform bibliometric analyses. The disciplines of strategic

management innovation were mapped using bibliometric methodologies. Some study domains have accepted bibliometric methodologies more quickly, while others have taken longer. We believe this is due to the former's knowledge base being closer to bibliometric methodologies, and that this provides a significant opportunity for academics working in disciplines where bibliometric studies have yet to be published. Researchers can use bibliometric approaches to base their conclusions on aggregated bibliographic data generated by other scientists in the area who express their ideas through citation, cooperation, and writing.

These data may be gathered and analysed to provide insights into the field's structure, social networks, and thematic interests. Bibliometric analysis is becoming increasingly popular. The median year of publication for bibliometric studies in management and organisation is 2011, which means that more than half of the articles were published in the previous three years. According to the authors' anecdotal experience, management researchers are becoming increasingly interested in employing bibliometric tools to enhance subjective book evaluations. Despite the increased interest, there are few standards for performing organised literature reviews using bibliometric methodologies. The goal of this page is to create a useful single-source reference for bibliometric approaches researchers in management and organisation. The major contribution of this paper is the creation of recommended process standards for conducting bibliometric investigations. We compiled suggestions from 81 bibliometric studies in management and organisation, as well as the literature on bibliometric technique. We used a bibliometric study of the *Organizational Research Methods* journal to show how these criteria may be used. Given the increased usage of bibliometric methods and the scarcity of information on how to apply them, this article might be a useful resource for researchers interested in bibliometric approaches.

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Received: December 21, 2021, Accepted: December 26, 2021, Published: December 31, 2021



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