Chapter 9
Global Research Output in Occupational Health From 1998–2018:
A Scientometric Study

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ABSTRACT

An analysis of 12,317 publications published by Research Productivity on Occupational Health during 1998-2018 and indexed by Web of Science online database indicates the publication output in the global level research productivity of the publication. The highest numbers of papers were published during the year 2018 with 1,237 records followed by the year 2016 with 1,189 records. Overall, 31,498 authors contributed 2,866 publications in the journal and global cited scores with 149,345 records of the articles. A total of 138 countries have contributed in publications of the output of total research productivity. In this research, it is found that articles have been written using 25 languages.

INTRODUCTION

Scientometrics is the science of measuring and analyzing science. Scientometric techniques are being used for a variety of purpose like determination of various scientific indicators, evaluation of scientific output, selection of journals for libraries and even forecasting the potential of a particular field Scientometrics is one of the most important measures for the assessment of scientific productions.

OBJECTIVES

The main objective of this study is to use Mapping of Research Productivity on Occupational health: A Scientometric study with special reference to research activities at global level:

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- To analysis the Year wise distribution of publications;
- To identify the Document wise distribution of publications;
- To calculate the authorship pattern and examine the extent of research collaboration
- To evaluate the journal wise distribution of publications;
- To analysis the Institution wise research concentration;
- To identify Country – wise Collaborative Distribution of Publications

METHODOLOGY

The present study aims at analyzing the research output of Researchers in the field of Occupational Health Research output of the productivity. It brings into focus the distribution of research output by following categories such as related growth of output and document wise distribution of the publications, Authorship pattern, Country wise distribution, institution wise distribution of the publications and core journals and so on. The data is extracted from the Web of Science database for the period 21 years from 1998 to 2018. The data is taken from the database by giving the keyword "Occupational Research" for search. A total number of 12317 records have been downloaded and analysed with the aid of using the Histcite software, analyzed and tabulated for making observations. From the observation the studies are analyzed.

ANALYSIS AND INTERPRETATIONS

This study has observed a total of 12317 publications in Occupational Health literature research, at the international level, over a period of 21 years from 1998 to 2018 indexed by Web of Science Online Database. The highest numbers of papers were published during the year 2018 with 1237 records followed by the year 2016 with 1189 records. Overall, 31498 authors contributed in 2866 journals of the publications from 9786 number of institutions that are located in 138 numbers of countries. Contribution of journals, ranking of authors, preference of publication and frequency of keywords were also analysed in this paper.

Table 1 reveals that the brief description about the Occupational Health literature research output during the sample period from the web of science database, the total time span is 21 years. 12317 records were downloaded. The records have earned 149345 global citation scores, 16923 local citation scores. Overall using 25 different type of languages, 16 different types of document were produced. A total of 31498 authors contributed 2866 publications in the journal articles from 138 countries were contributed through 9786 different type of Institutions about the Occupational Health literature research output.

Year Wise Distribution of Publications

In order to analyze the year wise publication of research on Occupational Health Literature research, the data has been presented in Table 2. The table depicts the research output in the global level. From the below table, we could observe that during the period 1998 – 2018 a total of 12317 publications were published. The table shows the number of publications on each year during 1998-2018.

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