
Abstract: Bibliometric studies of scientific publications are useful instruments to evaluate their performance and impact. Objective: To evaluate the scientific production of the Journal of Oral Research in 2012-2015. Materials and Methods: A bibliometric study of the articles and documents published in the period 2012-2015 was performed using descriptive statistics. The variables included in the study were: type and number of articles, classification according to subject and country of origin of the main author. Results: A total of 169 documents were published: 32 editorials, 20 letters to the editor, 69 original articles, 20 case reports, 25 reviews, and 3 study protocols. Countries with the largest number of publications were: Chile with 114, Mexico with 19, Peru 8, and Brazil with 7. Among the 10 most consulted documents in 2015, there were six articles by Chilean authors. Conclusions: During the period 2012-2015 the scientific production of the journal has shown a gradual increase in the number of published documents, with a predominance of original articles written mainly by Chilean and Mexican authors, as well as articles related to primary health care, teaching/bibliometrics and maxillofacial surgery.

Keywords: Journals, Bibliometric indicators, Publications, Research, Stomatology. DOI: 10.17126/joralres.2016.042.


INTRODUCTION.
The dissemination of research results that may be relevant and useful for other professionals or students is the last link in the chain of scientific work. This process requires solid knowledge and consists of the publication of the study in a scientific journal. Scientific journals are the main channels of scientific diffusion and social institutionalization of science in most fields of knowledge.

The study of scientific production of journals, people, institutions, communities or countries is the focus of study of bibliometrics or scientometrics. This science with its various indexes is a recognized method for assessing the level of development of scientific activity. Quantitative analysis of scientific production is an element of statistical support that allows the mapping and generation of different indicators for information management.

Bibliometric analysis is used as a starting point to optimize scientific productivity as it helps to define more relevant lines of research from the correlation between objective research needs and the number and quality of papers. Given the above, using bibliometric analysis is essential for those who lead and manage scientific work in a specific group or institution.

Bibliometric studies applied to scientific journals have been and will be a subject of great debate marked by the importance of demonstrating the reliability of scientific results published in them. Today, specialists require scientific evidence of the highest level and updated information in all their areas of interest. Given this reality, the Journal of Oral Research emerged as the official publication of the School of
The 10 most popular documents of 2015 were selected taking into account the number of visitors at the Open Journal System platform of the journal since the publication of the *J Oral Res* 2015; 4 (1) to the present. To find the indicators discussed above a direct search was performed on the journal’s website.

**Statistical processing**

The data obtained were exported to a database (MS Excel, Microsoft Corp., USA). Descriptive statistics were used. Results are presented in tables and ad hoc charts.

**RESULTS.**

In the period studied 169 documents were published (Chart 1), showing a gradual increase from 21 documents published in 2012 to 79 documents in 2015. An increase in the number of annual issues of the journal was also observed: two in 2012, three in 2013, four in 2014, and six in 2015.

Table 1 presents the distribution of published documents by type and country of origin, showing a predominance of documents submitted by Chilean authors (65.46%), followed in descending order by: Mexico (11.24%), Peru (4.73%), Brazil (4.14%) and Colombia.
Twenty-six countries published an article in the journal, with a predominance of Chile (20.2%). Countries such as Uruguay, England, Venezuela, Belgium, Latvia and Saudi Arabia have published one article in the journal. With respect to the types of documents, a predominance of Original Articles (40.82%) followed by Editorials (18.93%) and Review Articles (14.79%) was observed.

Thirty-one articles were related to Primary Health Care, nineteen to Teaching/Bibliometrics, and seventeen to Maxillofacial Surgery. The area less represented was Biomaterials with three documents. (Chart 2)

Table 2 shows the relationship of the 10 most popular articles of 2015 by type, author and country of origin. There is a predominance of Chilean authorship and Original Articles.
DISCUSSION.

In the present study it was observed that original articles accounted for more than half of the scientific production, which coincides with various bibliometric studies\textsuperscript{9,11-14}. It is part of the policy of any scientific journal to prioritize and disseminate the results of research, since these documents help disseminate new knowledge.

Publishing an article is very rewarding, and it is even more so in the case of an original article, as this shows the skills of the research team from problem detection to the preparation of the manuscript for publication. All other forms of publication also require knowledge and skills, but they are always somehow less relevant than an original article. Other studies found similar frequencies of Original Articles and Letters to the Editor/Publisher, even in some of the years reviewed the latter outnumbered original articles\textsuperscript{15}.

For corrections, clarifications or other disputes of scientific aspects of the manuscript once published, it is useful to have critical readers and a dynamic Letters to the
Editor/Publisher section. It may happen that the external reviewers and the editorial team accidentally overlook some errors that authors may have made in the manuscript, or that there may be some topics where scientific or subjective points of view may be different from those expressed by the authors. Journal readers have the right, if not the duty, to report all the aspects they may consider scientifically wrong or questionable or simply express different points of view regarding the subject of discussion. Letters to the Editor/Publisher are a very important part of journals, as they reflect the way in which biomedical publications began, when doctors and scientists published their experiences and experiments in them.15

Moreover, research has the role of uniting people in the pursuit of a common goal and strengthening coherence of the institutional mission.16 While the quality of scientific journals is measured by the quality of the articles they publish, there are a number of intermediate indicators that are also associated with their quality, one of the most important: internationalization; this has been one of the main goals or missions of the Journal of Oral Research.17

After a rigorous evaluation process journals can enter various national and international databases, such as Scopus, DOAJ, LILACS, Latindex, IMBIOMED, DIALNET. These databases are designed to increase the visibility of publications, as well as their access and dissemination.18 This results in an increase of visits and citations of articles, and more interest of researchers to publish in those journals.

Documents by authors from countries as diverse as Belgium, Peru, Argentina, Brazil, Venezuela, Mexico, Colombia, Spain and Chile were already published in the J Oral Res. 2014; 3 (3). About 90% of authors who send their work to the journal are from foreign countries and 70% of the visits to www.joralres.com are mainly from: Mexico (18.12%), Peru (11.35%), Colombia (6.07%), Venezuela (4.49%), Spain (4.16%), Brazil (3.03%), Argentina (2.81%), Ecuador (2.47%) and USA (2.28%).19

Articles written by Chilean authors were widely prevalent; the same happens in other journals.16 The largest number of articles written by foreign authors were from: Mexico, Peru and Brazil (19, 8 and 7, respectively). This can be attributed to the fact that during the first 13 months of publication, visits to the website of the journal were mainly from Latin American countries such as Mexico, Colombia and Peru.19

According to the classification by subject, a predominance of articles related to Primary Health Care followed by Teaching/Bibliometrics, and by Maxillofacial surgery was found. Predominance of primary health care topics could be a result of the public health policies implemented by the state, which aim to study the health status of populations, i.e., the profiles of collective human problems and the ways to control them.20,21

This is a very valuable source of solutions to the major health problems of countries, such as diseases, risk factors and unhealthy life styles, or inefficient services.22 Predominance of Teaching/Bibliometric subjects could be attributed to a marked interest in conducting studies related to educational and bibliometric aspects to assess the current state of research in order to draw relevant policies from it.

With respect to the 17 articles dealing with Maxillofacial Surgery, the authors of this study agree that this could be related to the prestige of this specialty in Latin American countries, as well as the expansion of the journal into other areas of research, such as: medicine and rehabilitation, head and neck surgery, and orofacial pain, among others.23

By analyzing the most popular articles of 2015 it is valid to note the predominance of Original Articles dealing with interesting subjects with significant social impact. Next we find Case Reports of rare disease entities or whose clinical manifestation is atypical, the positive effect of treatment, the undescribed or rare association of two or more diseases, the usefulness of a diagnostic procedure, and the adverse or unexpected effect of a drug.

CONCLUSION.

During the period 2012-2015 the scientific production of the Journal of Oral Research has shown a gradual increase in the number of published documents. Original articles predominate, especially by Chilean and Mexican authors, as well as those related to primary health care, teaching/bibliometrics and maxillofacial surgery.


Palabras clave: Revistas electrónicas, Indicadores bibliométricos, Publicaciones, Investigación, Estomatología.

REFERENCES.