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Journal of Medical Hypotheses and Ideas

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REGULAR ARTICLE

A comparison of downloads, readership and citations data for the Journal of Medical Hypotheses and Ideas



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Received 26 May 2014; revised 7 June 2014; accepted 7 June 2014

Available online 1 July 2014

KEYWORDS

Downloads;
Journal usage indicators;
Altmetrics;
Readership;
Journal of Medical Hypotheses and Ideas

Abstract This article reflects the comparison of downloads, readership and citation data for the Journal of Medical Hypotheses and Ideas. A brief analysis of the journal's recent performance indicates that the journal articles appear to have a high rate of downloads around the world. Its published articles are from a variety of countries and the odds of accepted articles for publication is surprisingly even across regions. However, the rate of received citations to the published articles indicated a lack of considerable impact in scholarly publications. This approach has double value as it shows the overall impact of the journal in social web as well as scholarly publications and also provides future directions for the journal's editorial boards. Altmetrics was also proposed as an alternative to the widely used citation and usage indicators in tracking the impact of individual articles.

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Introduction

The *Journal of Medical Hypotheses and Ideas*, since 2007, has been established to serve as a unique international and

multidisciplinary capacity for the share of ideas and hypotheses in medical context. It brings together a diverse range of specialties from philosophy, science and medicine into a dynamic platform to stimulate debates, discussions and critical evaluation of

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scientific ideas. To date, it has been unknown whether this journal is successfully doing well in attracting investigators and researchers across the world and to what extent its articles have generated added values for the audiences by informing them of recent debates and ideas which could be applied in their practice.

While the editors and editorial board members of the *Journal of Medical Hypotheses and Ideas* actively work with authors to improve the journal's readership and to reach potential readers, it is also important to monitor the journal's achievement. In response to the journal's editor in chief request, this note is provided to share with readers of the journal the progress seen through these metrics.

A brief analysis of the journal's recent performance indicates that the journal articles appear to have a high rate of downloads around the world. Its published articles are from a variety of countries and the chance of accepted articles for publication is surprisingly even across regions. It seems that the journal has significantly attained good achievements in reaching global attractiveness and influence; however a long road remains to reach the peak of success.

Journal of Medical Hypotheses and Ideas at a glance

In 2012, with a wide range of audiences around the world, this journal received about 48 submissions from a diverse range of countries. Eastern Mediterranean countries indicated to have the highest number of articles submitted (see Fig. 1), possibly because this journal is originated from Iran and local researchers indicated more interests in submitting articles. Impressively, it is found that there was no significant association between geographic regions and the number of articles submitted (P value = 0.20).

Of 48 articles submitted to this journal, 32 articles were rejected for publication (rejection rate = 67%). Eastern Mediterranean had the lowest and Africa had the highest rate of rejection, not statistically significant though (P value = 0.26) (see Fig. 1).

This journal has received an impressive 8702 full-text download which reflects how important it is for audiences in the world. The geographical distribution of downloads was quite wide, the maximum and minimum records were downloaded from America and Africa respectively (see Fig. 2). This could be easily explained by the role of these regions in the share of the world's medical knowledge. America is perceived as

the major source of knowledge production in the world and probably more interested in producing knowledge [1].

No statistically significant association was observed between the number of articles submitted to the journal and number of downloads according to the regions (P value = 0.67). However, it was expected that the number of downloads could be potentially related to the journal's visibility and future rate of articles submitted.

In order to track the impact of articles published in the *Journal of Medical Hypotheses and Ideas*, consider the recent articles mostly downloaded in the social web (see Fig. 2). Interestingly, all articles published in this journal are viewed and downloaded and almost all of them are research articles.

As an example, consider the recent article published in the journal on "targeting and treating multi-drug resistant cancers" [2]. This paper has received an impressive 1587 full-text downloads possibly because this is a research area with currently high innovation. It also reflects how cancer treatment is interesting for clinicians and investigators. Similar examples exist for articles on "cancer nanotherapy" [3] (494 downloads) and "gold nanoparticles as a novel anti-inflammatory treatment" [4] (419 downloads). It is likely that these articles will receive more downloads and also citations sooner or later as cancer treatment is one of the most challenging research areas. Besides, using nanotechnologies for designing new drugs and treatment are increasingly becoming hot research topics.

Although this journal has received impressive number of full-text download across the world, further investigation of received citations from Scopus gave some evidence of the small impact of the journal. Of the 23 articles published in 2012, 17 have not been cited by scholarly publications in Scopus. The average number of citations received for any article was 0.7. It seems that although many readers often download the journal's articles, these download did not result in citations.

The road ahead

Until recently, our understanding of how this journal is doing and whether it has successes in reaching its audiences was limited. However, according to the findings of this brief analysis, the journal articles appear to have a high rate of downloads around the world. Its published articles are from a variety of countries and the chance of accepted articles for publication is surprisingly even across regions. However, the journal's

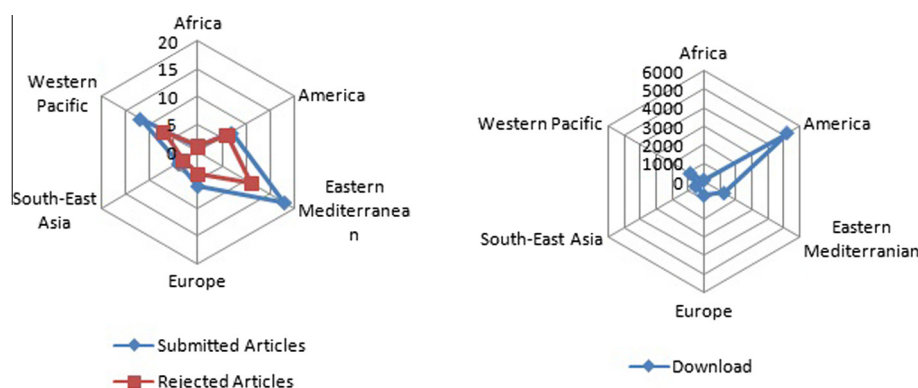


Fig. 1 The number of submitted, rejected and downloaded articles for the *Journal of Medical Hypotheses and Ideas* in 2012.

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