Letter to the Editor

Current views and implications of journal impact factor: A key note

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Dear Editor,

As and when we conduct any kind of biomedical research, every one of us wants it to be retrieved across the various corners of the globe by publishing it in the prestigious journal. Furthermore, regular increase in the number of publications is now being used for the evaluation of researcher’s research quality and academic excellence. There are a number of journal ranking systems today, but the oldest and the most influential is the journal impact factor (JIF) used as an indicator of the importance of a journal to its field. It was first introduced by Eugene Garfield, the founder of the Institute for Scientific Information which is now owned by Thomson Reuters (http://www.garfield.library.upenn.edu/papers/isichapter 15centuryofscipub149-160y2001.pdf).[1]

Researchers, clinicians, librarians, scientists, editors, policy makers, and evaluators use JIF to track the number of citations of a particular article in other works. Although impact factor (IF) is widely used by institutions and clinicians, people have widespread misconception regarding the method for calculating the JIF, its significance and how it can be utilized. The IF of a journal is usually independent to the factors like peer review process and, however, it reflects the average number of citations to articles published in journals, books, thesis, project reports, newspapers, conference/seminar proceedings, documents published in the internet, notes, and any other approved documents (by government-based organization/agency).[2-4] The rapid introduction of new journals has a major impact on the relocation of articles readership.

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among authors on a global basis. Most of the times, authors have been seen hunting for quick publication, whereas the publication process is time-consuming. This relative mismatch between the need of speedy publication and the long review time required for journals may often result in articles being redirected to journals having shorter processing time and no JIF; a practice frequently being practiced as an effort to increase in popularity of the newly introduced online journals. Journals advertise their JIF as a marketing tool to attract authors to submit manuscripts. Nevertheless, is should be used to assess the relative importance of a journal within its coverage and to measure the frequency with which the articles in a journal has been cited in a particular time period. It is now more appreciable why journals publishing more review articles get the highest IFs. We usually consider that journals with higher IFs are more important than those with lower ones. According to Eugene Garfield, “Impact simply reflects the ability of the journals and editors to attract the best paper available.” Journal, which publishes more review articles, will get maximum IFs. IFs are calculated for those journals that are indexed in the Journal Citation Reports (JCR) of Thomson Reuters (http://www.thomsonreuters.com/journal-citation-reports/). IFs can only be calculated after completing the minimum of 3 years of publication. This actually keeps new journals away from their hallmarking with JIF till 3 years. United States National Library of Medicine (PubMed/MEDLINE) also requires minimum 3 years of good

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References
1. Garfield E. The history and meaning of the journal impact factor. JAMA 2006;295:90-3.
2. Chattopadhyay A. How useful is journal impact factor? Indian J Dent Res 2009;20:246-8.
3. Mathur VP, Sharma A. Impact factor and other standardized measures of journal citation: A perspective. Indian J Dent Res 2009;20:81-5.
4. Garfield E. How can impact factors be improved? BMJ 1996;313:411-3.
5. Shanta A, Pradhan AS, Sharma SD. Impact factor of a scientific journal: Is it a measure of quality of research? J Med Phys 2013;38:155-7.
6. Meo SA. Impact factor went on a ventilator: Neither died nor buried. Saudi J Anaesth 2013;7:363-4.
7. Jain AK. Impact factor: Measure of quality of research publication. Indian J Orthop 2011;45:289-90.
8. Smith R. Commentary: The power of the unrelenting impact factor – Is it a force for good or harm? Int J Epidemiol 2006;35:1129-30.
9. Shidham VB, Pitman MB, Demay RM. How to write an article: Preparing a publishable manuscript! Cytojournal 2012;9:1.
10. Singh S. Toward more meaningful evaluation of contributions and journals across different specialties: Introducing specialty impact factor. Indian J Dermatol Venereol Leprol 2013;79:737-8.
11. Esposito M. The impact factor: Its use, misuse, and significance. Int J Prostheth Dent 2011;24:85.
12. Rossner M, Van Epps H, Hill E. Show me the data. J Cell Biol 2007;179:1091-2.
13. Bornmann L, Marx W, Gasparyan AY, Kitas GD. Diversity, value and limitations of the journal impact factor and alternative metrics. Rheumatology International 2012;32:1861-7.
14. Gasparyan AY. Choosing the Target Journal: Do Authors Need a Comprehensive Approach? J Korean Med Sci 2013;28:1117-9.

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