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Jaypee Journals

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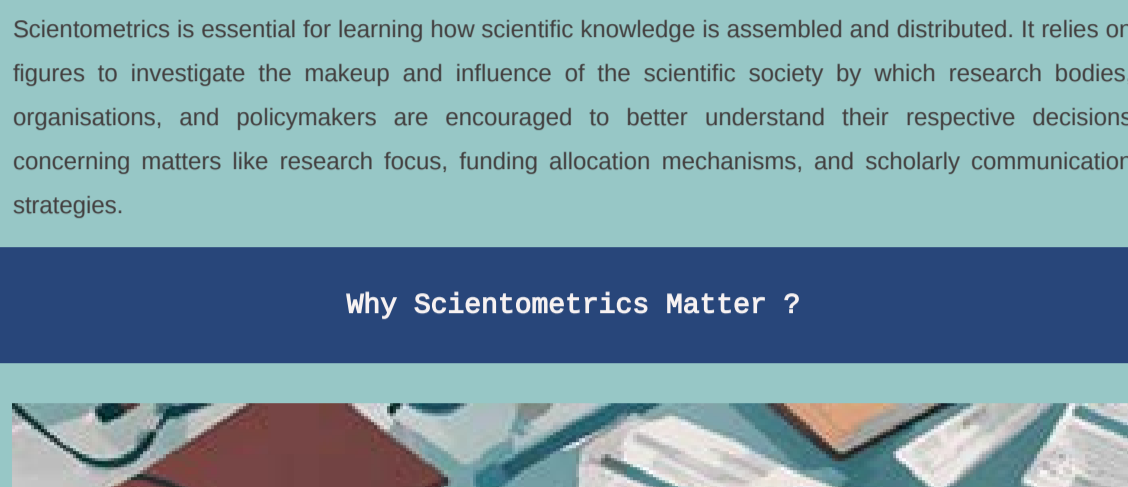
We are happy to announce the launch of ***The British Journal of Translational Global Health (BJTGH)*** in partnership with the Faculties of University Alliance (FUA) and the British Academy of Oral Biology and Clinical Dentistry (BAOB-CD), along with Jaypee Brothers Medical Publisher | Jaypee Journals, FUA and BAOB-CD, as non-profit educational organizations in the UK, bring valuable expertise to this endeavour. We are happy to introduce the first issue of BJTGH, which includes interesting articles covering various aspects of global health. Volume 1, Issue 1, spanning January-April 2024, is now available **here**. We invite researchers, scholars, practitioners, and enthusiasts to get involved with the journal by reading, contributing, or exploring publication opportunities. At Jaypee Journals, we are excited about our partnership with BJTGH and are committed to supporting its growth and impact. In this newsletter, we will explore the impact of journal scientometric indicators. Scientometrics play a critical role in understanding and assessing the distribution of scientific knowledge, providing valuable understandings of a journal's impact, influence, and quality. We will discuss how metrics such as Impact Factor, H-index, SCImago Journal Rank (SJR), and others can help authors, editors, readers, and subscribers assess the value of their contributions and make informed decisions. Stay tuned as we analyze these metrics, highlighting their relevance and application and its mission to promote global health research.

Voices of Our Editors

1. It has been a pleasant journey for JOJS With Jaypee Publisher. Together, we made JOJS an indexed journal. The staff at Jaypee is Supportive, knowledgeable, and friendly. The same trend will continue to gain greater heights. Jaypee Publisher will remain a pillar for any scientific journal.
Prof. Dr. A. Suresh Kumar, Editor-in-chief, Journal of Orthopedics and Joint Surgery, M.S Ortho, Professor Of Orthopaedics, Tirunelveli Medical College Hospital, Tirunelveli Medical College Hospital, Tirunelveli , Tamilnadu , India
2. My journey with IJCPD has been pathbreaking for sure. It all started in 2009 when I, along with the founding editor and Chetna Mahotra, conceptualised the idea of this journal. Its growth from initiation to its current status of PubMed and Scopus indexing has been my career's most satisfying academic journey. This was not possible alone, and it's been a cumulative effort of the entire Jaypee journal team and hats off to their commitment towards the betterment of the journal. I hope IJCPD continues to rise the ladders of success and we become the best Pediatric Dentistry journal in the world.
Dr. Nikhil Marwah, Editor-in-chief, International Journal of Clinical Pediatric Dentistry, Associate Dean, Research MGRMST, Professor and Head, Department of Pediatric and Preventive Dentistry, Madrasa Gandhi Dental College & Hospital, Jaipur, Ranchehpura, Rajasthan, India

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Scientometric: The Pulse of Scientific Publishing



Scientometrics is essential for learning how scientific knowledge is assembled and distributed. It relies on figures to investigate the makeup and influence of the scientific society by which research bodies, organizations, and policymakers are encouraged to better understand their respective decisions concerning matters like research focus, funding allocation mechanisms, and scholarly communication strategies.

Why Scientometrics Matter ?



Assume you are an author with intentions of publishing a new article containing innovative research or a reader searching for the most influential studies in their narrow field of specialization. The scientific indicators are the tools that can help us navigate this vast sea of scientific content available. These metrics enable the evaluation of the significance and quality of academic journals publishing scientific research so that one can identify and popularize crucial knowledge. From an **author's viewpoint**, development in scientometric indicators has important practical implications. This includes indices like h-index, citation counts, and journal impact factors, which indicate how visible a research work is when published. With this information, authors can target journals that not only align with their research focus but also promise a broader dissemination and higher citation rates, enhancing their academic reputation and career prospects. **Readers benefit** from scientometric indicators by using them to identify influential works and leading journals in their field. Metrics such as citation counts, and the h-index help readers determine which studies have had significant impact and are frequently referenced by other researchers. This is crucial for keeping level of important developments, understanding the evolution of research topics, and identifying key contributors to a field. Scientometric indicators thus enable readers to well navigate vast amounts of literature and focus on high-quality, leading research. Scientometric indicators are useful tools and strategic instruments for editors, which can be used to evaluate specific journals and run the journal efficiently. Comparing the journals with competitors with these impactful factors, the editors will come up with strategies on how to attract more submissions of good papers from reputable authors. In addition, these indices also help in guiding editors in selecting papers for publication so as to improve readership. Additionally, they offer a clue into where research is going hence allowing editor to adjust editorial policies in line with such new scientometric trends. **Subscribers**, including academic institutions and libraries, rely on scientometric indicators for subscription choices. They determine whether certain journals may or may not be important or useful enough for library users to subscribe. This would make sure that there is efficiency in utilization of resources while ensuring that services offered to academia are improved through increased access to critical research. Other end-users of Scientometrics include research funders and policymakers. The former uses Scientometrics to assess the returns on individual-funded research, and the latter uses it to formulate science policy. Through citation analysis and mapping, they can know where to focus their funds, thus supporting research with a high impact factor. Concisely put, scientometric indicators are valuable for different stakeholders in the academic world to evaluate the performance, effectiveness, and progress in science.

Essential Scientometric Indicators for Assessing Journal Impact and Quality



When evaluating the scientometrics of a journal, several key metrics and indicators are typically considered to assess its impact, influence, and quality. Here are some of the most important scientometric indicators used for journals:

1. H-index
Definition: H-index evaluates output and citation impacts in publications where h stands for the minimum number of citations an article should receive to be counted as one towards h numbers.
Calculation: For example, if a journal has an H-index score equal to 10, it implies that ten articles have been cited at least 10 times each.
Importance: H-index balances quantity against impact thereby giving a more holistic view about the journal's changing influence over time.
Limitations: It makes no distinction between individual papers' contributions, nor is good at reflecting JOJS works that are already heavily cited.
Source: Scopus, Google Scholar, Web of Science.

2. Impact Factor (IF)
Definition: This is the average number of citations that a paper gets in two years of being published by the journal.
Calculation: $IF = \frac{\text{Citations in Year X to articles published in (X-1) and (X-2)}}{\text{Total number of articles published in (X-1) and (X-2)}}$
Importance: It is widely used as a measure of the academic influence and prestige of an article. A high impact factor signifies that many people use its articles for their works, demonstrating its popularity among other within its field.
Limitations: The Impact Factors highly depend on only few well-cited articles while it does not reveal quality or context information regarding the citation.
Source: Journal Citation Reports (JCR) by Clarivate Analytics.

3. SCImago Journal Rank (SJR)
Definition: The SJR index is used to measure the scientific influence of scholarly journals, based on the number of citations received by articles in a journal, and the prestige of the journals that these citations come from.
Calculation: SJR weights different citations according to the rank of their referring journal.
Importance: Instead of simply counting how many times a paper has been cited, this metric focuses on their significance in the context of the field.
Limitations: It can be difficult to interpret because its weighting system is built complex.
Source: SCImago Journal & Country Rank.

4. Differences Between Impact Factor and SCImago Journal Rank (SJR)
Field Sensitivity:
a. **Impact Factor:** Lacks field specificity; uses a uniform approach that can disadvantage fields with lower citation rates.
b. **SJR:** Adjusts for field-specific citation patterns, providing a more balanced and fair assessment across disciplines.

Citation Weighting:
Impact Factor: Counts all citations equally, regardless of the citing journal's prestige.
SJR: Weights citations based on the prestige of the citing journal, giving more weight to citations from highly influential journals.

Computation Complexity:
Impact Factor: Simple to calculate and interpret; uses a straightforward average citation count.
SJR: Uses a more complex algorithm, which can make interpretation more challenging but provides a nuanced view of journal influence.

Period of Analysis:
Impact Factor: Typically calculated over a two-year period.
SJR: Based on a broader citation window, often considering multiple years and the overall network of citations.

5. CiteScore
Definition: CiteScore is the average number of Citation per Document within the last four years, meaning the fourth year within the current year.
Calculation: $CiteScore = \frac{\text{Citations in Year X to articles published in (X-1) to (X-4)}}{\text{Total number of articles published in (X-1) to (X-4)}}$
Importance: This metric provides a broader citation window than the Impact Factor, offering a more comprehensive view of a journal's citation impact.
Limitations: Similar to the Impact Factor, it can be skewed by a few highly cited papers.
Source: Scopus.com.

6. Altmetrics
Definition: Altmetrics track the attention an article receives from non-traditional sources such as social media, news outlets, blogs, and policy documents.
Calculation: Given that altmetrics are compiled by different platforms and tools in relation to a given article, they represent online activity and mentions.
Importance: As a more general measure of article impact, this allows for a consideration of public and societal reach beyond individual research references and citations.
Limitations: Altmetrics can be influenced by factors like the popularity of the research topic rather than its academic quality.
Source: Altmetric.com.

7. Acceptance Rate
Definition: Acceptance rate refers to the propensity of the number of papers that are submitted for publication in a specific journal out of the total numbers submitted.
Calculation: $\text{Acceptance Rate} = \frac{\text{Number of accepted manuscripts}}{\text{Total number of submitted manuscripts}} \times 100\%$
Importance: >100%, a lower acceptance rate could mean that it is more stringently reviewed, and therefore could mean that it adheres to higher standards of quality published articles.
Limitations: It doesn't account for the quality or impact of the published articles.
Source: Journal's editorial board or publisher.

8. Journal Usage Metrics
Definition: Usage metrics include data on the number of downloads, views, and shares of articles published in the journal.
Calculation: Derived from other site, these metrics show the number of time the articles have been clicked and other features of the article such as number of shares.
Importance: These metrics give more information about the readership and applicability of the articles being contained in a journal, the level of familiarity with it.
Limitations: Usage metrics can be influenced by factors such as free access policies and promotional activities.
Source: Journal's website analytics.

9. Editorial Board Quality
Definition: The quality of a journal's editorial board is evaluated based on the expertise and reputation of its members.
Assessment: These cover aspects such as the academic background of the board members, record of publication and other measures of professional impact.
Importance: This means that a high-quality editorial board can help in attracting the right kind of papers and guarantee that the quality of the papers that are submitted passes through competent review, factors that can boost the reputation of the journal.
Limitations: It is a qualitative measure and can be subjective.
Source: Journal's qualitative and academic profiles of editorial board members.

Concluding Thoughts

Scientometrics plays a crucial role in the evaluation and enhancement of scientific journals, offering a complete range of tools that help measure their impact, influence and quality. Traditional indicators such as Impact Factor and H-index provide a robust base; however, there are other measures which give more insights. The Journal Impact Evolution metric traces changes over time, revealing trends in relevance. Half-Life Metrics indicate the long-lastingness of citations while emphasis on highly cited papers is placed by G-index. Normalized Citation Impact (NCI) and Field-Weighted Citation Impact (FWCI) allow for cross-disciplinary comparisons thus making the evaluation more accurate. Times Cited Index weighted by Scopus Journal Analyzer, and Altmetric Attention Score that aggregates social media and news attention are good examples. Time to Publication adds an editorial efficiency dimension to journal assessment. These diverse indicators offer original perspectives that enable different stakeholders—authors, editors, readers, policy makers—to make informed choices about research dissemination and publication selection. Ultimately, scientometrics encourages an effective and efficient scientific communication system thus promoting quality research work across disciplinary boundaries.

Thank you

- During the creation of this newsletter, the following websites helped to compile:
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 2. <https://www.mdpi.com/2078-2489/14/12/637>
 3. <https://www.cwts.nl/TVR/documents/TornVR23.pdf>
 4. https://journals.lww.com/jaweb/fulltext/2019/03120/scientometrics_in_medical_journals__indices__their_18.aspx

Most viewed articles in March 2024

1. **Combination Syndrome**
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 3. **Periodontal Osseous Defects: A Review**
 4. **Ferrous Ascorbate: Current Clinical Place of Therapy in the Management of CLIF-C**
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