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Thoughts

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## **Golden Research Thoughts**



## ALTMETRICS: ARTICLE LEVEL METRICS MAKES EASY FOR USER COMMUNITY.

Impact Factor: 4.6052(UIF)

Mr. Shiba Bhue<sup>1</sup>, Mr. Karan Singh<sup>2</sup> and Sunil Kumar Biswal<sup>3</sup>

<sup>1</sup>Librarian, Kendriya Vidyala INS Chilka, Odisha, India.

#### **ABSTRACT**

n the world there are numerous publication tools it is difficult task to combined all in one platform and measure their impact and visibility so that user will know the important document to his or her use through research evaluation . Number of tools likes the Web of science, Scopus online database, Indian citation index (ICI), Google Scholar and different portals, software's are available for evaluation research for users. Altmetrics is a new generation evaluating tool since with the advent of web 2.0, social media and citizen journalism the expression on interest on particular research has been manifold and Altmetircs has cope up everything's taking account of users research proliferation and penetration .This article discussed about how altmetrics work how its different form other existing measuring tools which measure the impact of research output. It's also discussed about the score which generated by altmetrics its mechanism and the assimilation of data form diverge geographical and online presence.

**KEYWORDS**: Altmetrics, Article Level Metrics, Research evaluation, Research impact Social media.

#### INTRODUCTION

Altmetric collects mentions of scholarly articles from all across the Web by gathering attention from newspapers, blogs, social media, and others reference management's tools. In minutes, one can bring Altmetric data to journal platform or application with our embeddable badges. Otherwise one can pick just the metrics care about using the powerful enterprise-level



Altmetric API. For non-commercial use, the Altmetric API is free , Mash up Altmetric data with your own, and enhance your research or visualizations .Authors love article level metrics. It doesn't matter if it's their first or hundredth journal article – researchers want their work to be shared, discussed, and applied. They're curious about who is talking about their work and what is being said. Using the Altmetric data and API, publishers can deliver real value to their authors and readers through powerful article level metrics pages. (http://www.altmetric.com)

#### 1-What is Altmetric?

Altmetric is a system that tracks the attention that scholarly articles and datasets receive online. It does this by pulling in data from three main sources:

<sup>&</sup>lt;sup>2</sup>Ph. D. Scholar, Sambalpur University, Odisha.

<sup>&</sup>lt;sup>3</sup>MPhil Scholar Utkal University, Bhubaneswar, Odisha.

- + Social media like Twitter, Facebook, Google+, Pinterest and blogs
- + Traditional media both mainstream (The Guardian, New York Times) and science specific (New Scientist, Scientific American). Many non-English language titles are covered.
- + Online reference managers tool like Mendeley and CiteULike

#### 2-The score is a weighted count.

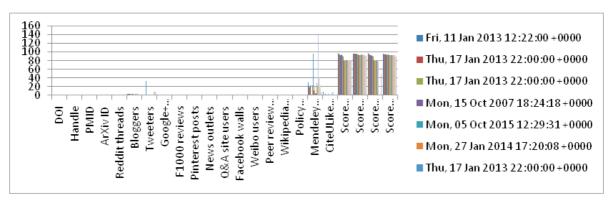
News	8
Blogs	5
Twitter	1
Facebook	0.25
Sina Weibo	1
Wikipedia	3
Policy Documents (per source)	3
Q&A	0.25
F1000/Publons/Pubpeer	1
YouTube	0.25
Reddit/Pinterest	0.25
LinkedIn	0.5

Table 1- weighted count from different web source

(http://www.altmetric.com)

The score is gotten from a mechanized calculation, and speaks to a weighted tally of the measure of consideration we've grabbed for an examination yield. Why is it weighted? To mirror the relative reach of every kind of source. It's anything but difficult to envision that the normal daily paper story will probably convey regard for the examination yield than the normal tweet. This is reflected in the default weightings

The Altmetric score dependably must be an entire number. This implies notices that contribute under 1 to the score here and there get gathered together to one. In this way, in the event that we grabbed one Facebook post for a paper, the score would increment by 1, however in the event that we got 3 more Facebook posts for that same article, the score would at present just increment by 1.



(Graph1 indicating SCORE for an article derived from different web tools)

- + Altmetric measures attention, not quality. People pay attention to papers for all sorts of reasons, not all of them positive.
- + Altmetric only tracks public attention. Papers are discussed in private forums, offline in journal clubs and by email but we cannot track this.
- + Altmetric tracks direct attention, that is to say attention focused on a specific research paper or dataset. More specifically for a newspaper article or blog post etc. to be counted by Altmetric it must contain a hyperlink to or formal citation of a scholarly work.
- + Altmetric provides you with a single metric per article so that you can quickly compare relative levels of attention but it only makes sense to use this when comparing apples with apples (e.g. within a single discipline). The norms for attention are very different for different scientific disciplines, just as the norms for citations are.

Score	Score in ti Title	Journal	URL	Most rece	DOI	Handle
16	16 When transparency and collab	o Journal of the American Society for Information Science & Te	http://dx.	Mon, 07 Ja	10.1002/a	sl .21622
8	8 The effect of 倜open accessa	iournal of the American Society for Information Science & Te	http://dx.	Sat, OLSe	10.1002/a	sl.20663
26	26 Anatomy of green open access	Journal of the American Society for Information Science & Te	http://dx.	Tue, 22 Ju	10.1002/a	sl .22963
27	27 Evolving academic library spec	ik Journal of the American Society for Information Science & Te	http://dx.	Sun, 22 Se	10.1002/a	sl .22847
9	9 The hybrid model for open acc	e Journal of the American Society for Information Science & Te	http://dx.	Wed, 16 J	10.1002/a	sl .22709
8	8 Author-choice open access	Journal of the American Society for Information Science & Te	http://dx.	Mon, 25 A	10.1002/a	sl.20965
9	9 Open access subject repositori	Flournal of the Association for Information Science and Techn	http://dx.	Tue, 18 M	10.1002/a	sl.23021
8	8 Exploring the effects of a trans	il Journal of the American Society for Information Science & Te	http://dx.	Mon, 15 A	10.1002/a	sl <i>2</i> 2772
3	3 Governance of open content of	relournal of the American Society for Information Science & Te	http://dx.	Fri, 05 Oct	10.1002/a	sl .22657
8	8 The citation performance of or	o Journal of the American Society for Information Science & Te	http://dx.	Sat, 18 Au	10.1002/a	sl .20676
12	12 Linked Open Data technologie	s Journal of the American Society for Information Science & Te	http://dx.	Mon, 17 F	10.1002/a	sl .22876
8	8 Tracking open access journals	e Journal of the American Society for Information Science & Te	http://dx.	Thu, 12 Ju	10.1002/a	sl.20639

(Graph 2 indicate score of a title in particular journals)

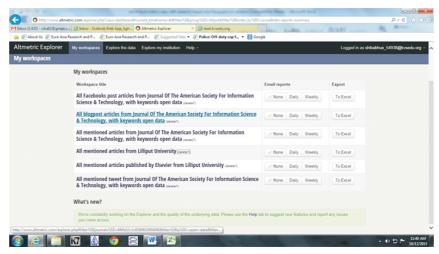
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		0 3	15		) (	0	) (	) (	0	(	0	) (	)	0	89	2	97	97	1	94 https://ai/https://ailmetric-ba 1888099
		0 0	43		) (	0	) (	) (	2		0	) (	)	0	72	0	97	97	1	95 https://di.https://bilmeiric-ba 1527297
		0 0	16		) (	0	) (	) (	0		0	) (	)	0	55	2	86	90	80	90 https://di.https://blimetric-ba 778060
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(Graph 3 indicate score being counted through different source for a title in particular journals)

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#### 2-Work place

My work place in altmetrics keeps the records of all the searching results or impact of particular journals and articles it can be exported to email daily, weekly and generate the reports in excel format. Which are helpful to users and readers to vet updated information or impact of particular article or journals when and where needed. The excel sheet elaborately described the online discussion in different tools or view, remarks about the articles. Workplace is very user centric and easy to view.



(Snap shot of MY WORK PLACE IN Altmetrics)

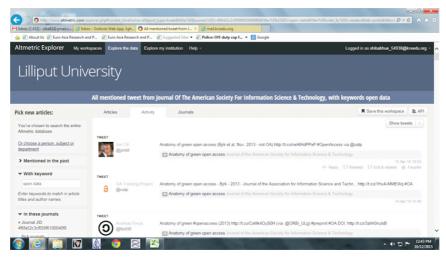
#### **Explore Data**

Location of particular users, likes from face book or comment through twitter or any professional social media can be viewed with ranking of places where it is read over the globe. Thus its make easy to the users that the visualization of articles and people viewed the articles throughout the globe. Readers and writes know the stakeholders the research and its impact through the comment of social media in every corner of the worlds.



(Snapshot of EXPLORE DATA in Altmetrics)

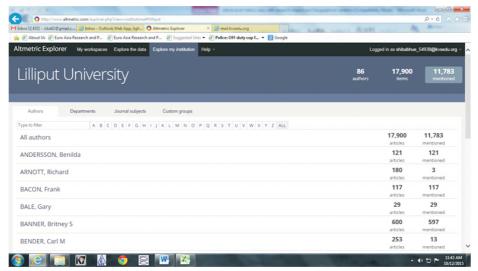
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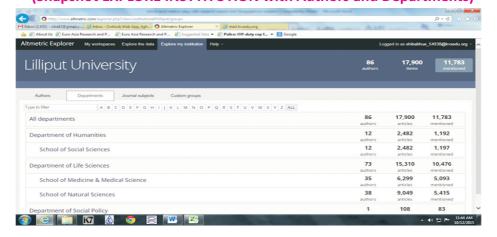
(Snapshot of EXPLORE DATA in Altmetrics)

#### 3-Explore institution

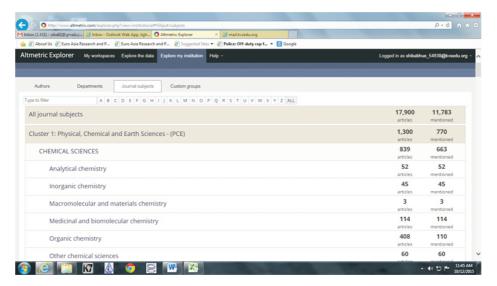
One can also search total article of an author's its impact and particular department or subject under the particular department. Easily see the data for a specific researcher



#### (Snapshot EXPLORE INSTTITUTION with Authors and Departments)



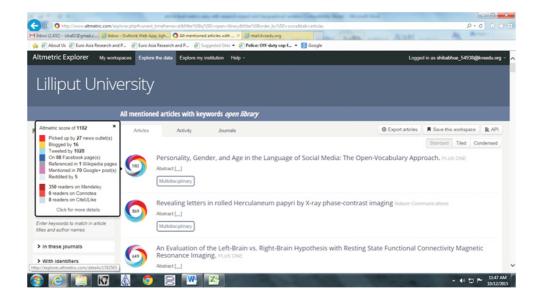
(Snapshot EXPLORE INSTTITUTION with Authors and Departments)



(Snapshot EXPLORE INSTTITUTION with Authors and Departments)

#### 4-Score and Measurement of impact

Final score reflected in the article which is known as the altmetrics score and its judge the impact of the articles. Altmetric Badges View the altmetrics for a single article on a journal article page.



(Snapshot indicating the score of particular article)

#### 5-Benefit for user community

User community can know the following information about their research

- Where has this article received the most traction?
- What type of attention is this research receiving?
- Which countries are engaging most with the content?
- Has this article influenced policy, spurred new research, or engaged a new audience?
- Has this article influenced policy, spurred new research, or engaged a new audience?

#### 6-CONCLUSION

Altmetrics expand our view of what impact looks like but also of what's making the impact. This matters because expressions of scholarship are becoming more diverse. Articles are increasingly the sharing of raw science like datasets, code, experimental designs and Nano publication where the citable unit is an argument or passage rather than entire article. Widespread self-publishing via blogging, microblogging, and comments or annotations etc. wills more essence the need of altmetrics.

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