International Journal of Commerce & Management Science: A Scientometric Analysis

Mr. Dudule Datta Punjaji

Author Affiliation:
PG Research Student, Vidyadhan College, Aurangabad. Maharashtra.India.
Email: dattapdudule17@gmail.com

Abstract:

A scientific subject that analyzes and compare scientific and technological information often in graphical forms using mathematical methods using statistics and data analysis (Miguel de La, 1969); open access has emerged in the last few years as serious alternative to additional commercial publishing models, taking the benefits offered by technology one step further (Wasudevan K T 1995); in this model authors and charged for publishing services and readers can access, download, print and distribute papers free at the point of use (Angel Morales, 1990); other characteristics of open access journals are that authors retain copyrights and they must sefl-archieved content in an independent repository (David Wilson, 2001); one significant finding in the field is principle of cost escalation to the effect that achieving further findings at a given level of importance grow exponentially more costly in the expenditure of efforts and resources (Manavalan R 1982).

Keyword: Advances in Robotics, Automation study, Scientometric Study, Etc.

Information:-

A Scientometric analysis: International Journal of Commerce & Management Science Scientometric analysis is a branch of Bibliometric. It is an important research tools for understanding of the subject it aims at measuring the utility of documents and relationship between documents and fields. International Journal of Commerce & Management Science is by Quarterly times published in the year. It was founded Prof. Rodrics in 2013 in USA. ISSN O-3433617-9 (ONLINE). The Present study is based on 5 Volumes, 15 issues of International Journal of Commerce & Management Science during 2013-2017

Objectives of the studies
The main objective of the present studies issue follows -
1) To Find Distribution of contributions (volume wise).
2) To Find Authorship Pattern of Contributions
3) To Find Authorship Pattern of Contributions (ISSUE wise)
4) To Find Contribution (Institution –wise)
5) To Find The Geographical distribution of contribution International level is show.
6) To Find Average Citation per contribution in each volume
7) Average Page (per volume and per contribution) contribution.
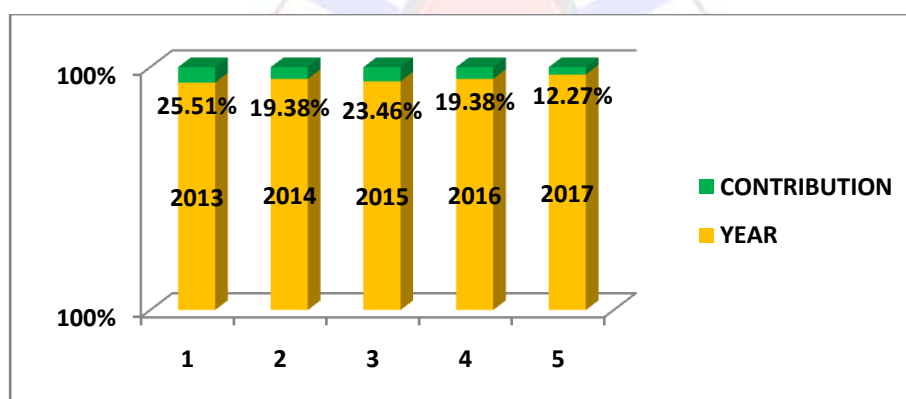
Distribution of contributions (volume wise) .
The distribution of contributions is shown in table No.1

Table No.1 Distribution of Contributions

Year	Vol. No.	No. of Issue	No. of Contribution	Percentage
2013	1	3	25	25.51%
2014	2	3	19	19.38%
2015	3	3	23	23.46%
2016	4	3	19	19.38%
2017	5	3	12	12.27%
	TOTAL	**15**	**98**	**100%**

Table No. 1 & Figure No. 1 depicts the details regarding the number of Articles published during 2013-2017 which was 98 and the year wise analysis of the contribution shows that average number of per year contribution is maximum i.e. 25 (25.51) in the year 2013.

Figure no. 1 Distribution of Contributions
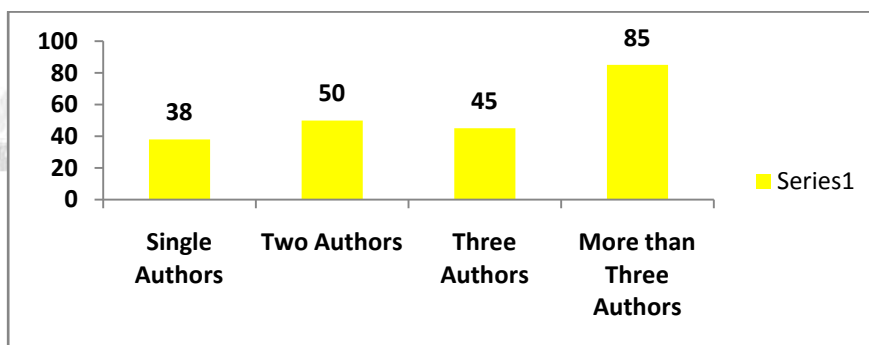

Authorship Pattern of Contributions
The authorship pattern of contributions is for shown in Table No.2.

Table No.2 Authorship Pattern of Contribution

No. of Authors	No. of Contribution	Total No. of Authorship	Percentage
Single Authors	38	38	38.77%
Two Authors	25	50	25.51%
Three Authors	15	45	15.30%
More than Three Authors	20	85	20.42%
TOTAL	**98**	**218**	**100.00%**

Table No. 2 & Figure No. 2 Indicates that the details about the authorship pattern 98 articles (38.77%) out of 38 articles have been contributed by Single author which is followed by More than Three Authors 15 (15.30%), 25 articles (15.30%) by two authors and 20 articles (20.42%) by three authors. Where "Hypothesis No. 1 is valid **"Majority of the contributions are contributed by Single Author".**

Figure No.2 Authorship Pattern of Contribution

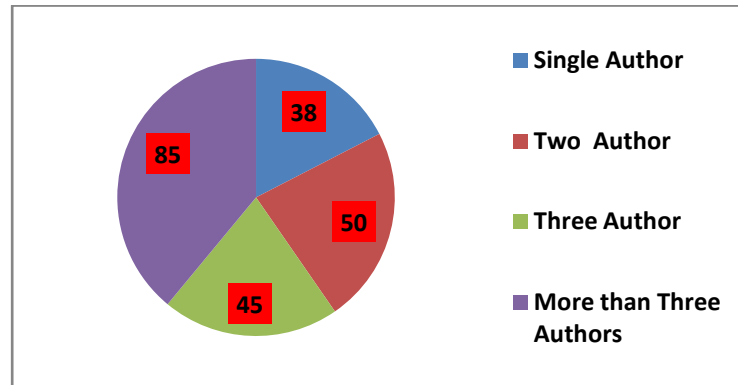**Authorship Pattern of Contributions (ISSUE wise)**

The authorship pattern of contributions is revealed in table in 4 given below.

Table No.3 Authorship Pattern of Contribution (ISSUE–wise)

Vol. No.	Single Author	Two Author	Three Author	More than Three Authors	Total
1	17	8	10	31	66
2	11	11	5	14	41
3	5	18	7	19	49
4	3	6	9	9	27
5	2	7	14	12	35
Total	**38**	**50**	**45**	**85**	**218**

Table No.3 and Fig No. 3 Shows the authorship pattern of contributions volume-wise regarding contributions by a more than three single author records the highest contributions (38), However the two author contributions, (50) shows the three author contributions (45), the more than three author contributions (85), reflects the maximum percentage.

Figure No.3 Authorship Pattern of Contribution (ISSUE–wise)
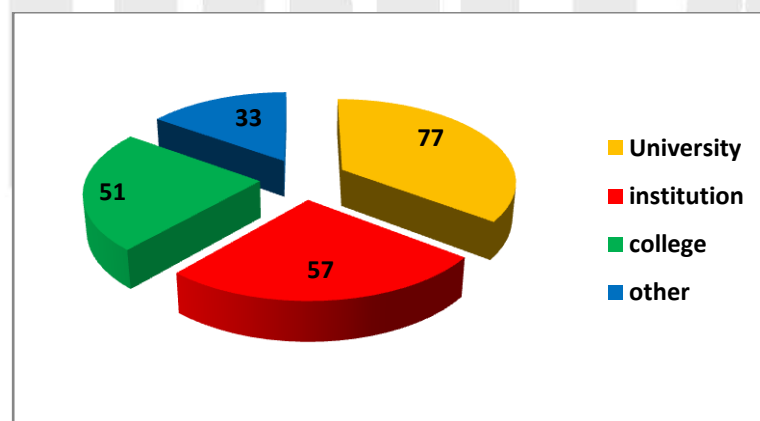

Contribution (Institution –wise)

Contribution is   displayed in the table no.4.

Table No.4 Institution wise contribution

Vol. No.	Year	University	Institution	College	Other	Total
1	2013	21	11	5	16	53
2	2014	17	23	9	5	54
3	2015	15	9	12	3	39
4	2016	11	7	10	7	35
5	2017	13	7	15	2	37
	Total	**77**	**57**	**51**	**33**	**218**

Table No.4 depicts the geographical distribution of contributions, University wise at the national level followed by institutions and colleges. It is inferred from the above table that university – wise contribution maximum is 218 contributions were 77 contribution and College and Intuition contribution was 51 & 57 contributions. **Hypothesis No.2 hence i.e. maximum number of contribution is at university level.**
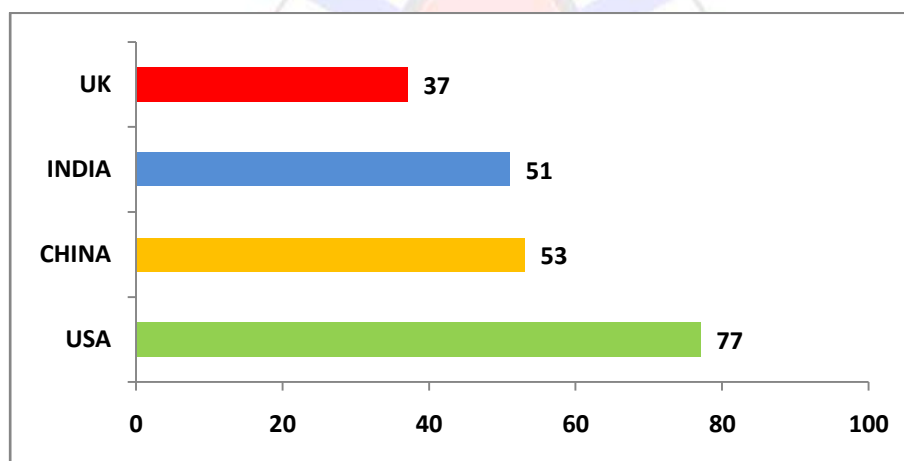
Figure no. 4 Institution wise contribution

The Geographical distribution of contribution International level
Table No.5 Geographical distribution of contribution in International level

Sr. No.	Name of State	No. of Contribution	Percentage
1	USA	77	35.32%
2	CHINA	53	25.31%
3	INDIA	51	23.39%
4	UK	37	15.98%
	TOTAL	**218**	**100%**

Table No.5 shows the geographical distributions of contributions at International level USA is Maximum percentage 77 (35.32%), and minimum Percentage of U.K is 37 (15.98%).

Figure No. 5 Geographical distribution of contribution in International level

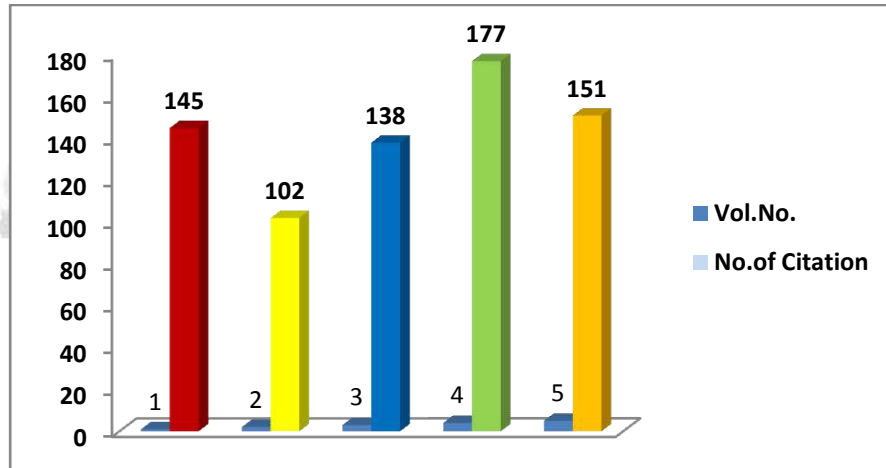**Average Citation per contribution in each volume**

The average citation per contribution in each volume in showed in
Table No.6 Average Citation per contribution in each volume

Vol. No.	No. of Contribution	No. of Citation	Average
1	25	145	20.33%
2	19	102	14.30%
3	23	138	19.35%
4	19	177	24.82%
5	12	151	21.20%
TOTAL	**98**	**713**	**100%**

It can be observed for average citation per contribution in each volume. Volume No.(1) (20.33%) contributed 145 contribution of which highest numbers of citation appeared in vol. No.4 (24.82%) contribution of which minimum number of citation appeared.

Figure no. 6 Average Citation per contribution in each volume

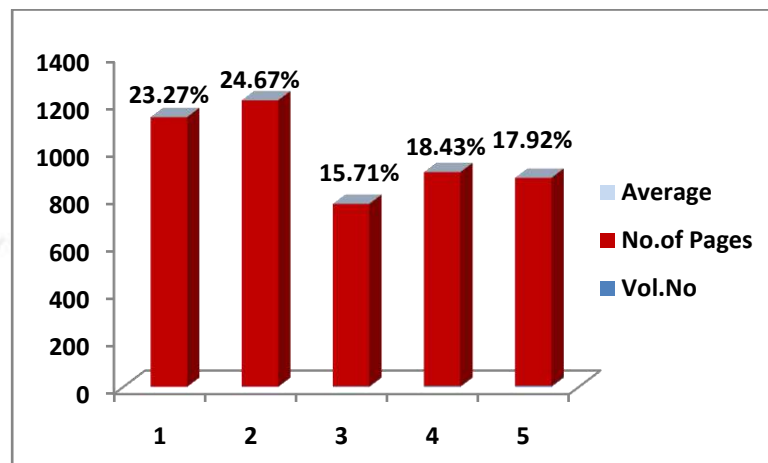**Average Page (per volume and per contribution) contribution**

Average Page (per volume and per contribution) contribution in each volume in showed in

Table No.7 Average Page (per volume and per contribution) contribution

Vol. No.	Contribution	No. of Pages	Average
1	25	1137	23.27%
2	19	1207	24.67%
3	23	769	15.71%
4	19	902	18.43%
5	12	877	17.92%
Total	**98**	**4892**	**100%**

It can be observed for average pages per contribution in each volume. Volume No.(1) (23.27%) contributed 1137 pages. contribution of which highest numbers of pages appeared in vol. No.2 (24.67%) contribution of which minimum number of citation appeared in Vol.No.3 (15.71%).

Figure no. 7 Average Page (per volume and per contribution) contribution.

Conclusion:-

Bibliometrics is relatively new subject of information. It help to evaluate information centers by the quantitative analyzed information. It deals with the mathematical and statistical analysis. International Journal of Commerce & Management Science is by Quarterly times published in the year. It was founded Prof. Rodrics in 2013 In USA. ISSN O-34336179(ONLINE). The Present study is based on 5 Volumes, 15 issues of International Journal of Commerce & Management Science during 2013-2017. A Scientometric analysis is the technique these online downloaded journals are presented in a manner corresponding to objectives of the study.

References:

1. Alkinsetal, (2003): Obsolescence of books in college. College & Research Libraries, 5(2): 115-125.
2. Angel Morales, (1990): A study of learning and retention with a web-bases IR interface, Journal of librarianship and Information Sceince, 37(1); 7-16.
3. Barroah, P. K. and Sharma, N. N. (1999). Bibliometric study of Doctoral Dissertation in Organic Chemistry submitted by S and T workers of RRL, Jorhat to evaluate the utility factor of the library. Annals of Library Science and Documentation, 46(1), 1-8.
4. David Wilson,(2001): Creating a care Journal collection for Agriculture research in Tanzania: Scientometric analysis And user opin techniques.Library review,53(5),207- 278.
5. Derek, De Solla. (2000). A study of learning and retention with a web-based IR interface journal of Librarianship and information science 37(1),7-16.
6. Gustav, H. (1966). The advanced theory of language as a choice and chance. Serlin: Spinger-verlag, 33.
7. Hargens, L, (1988), The literature of bibliometrics, scientometrics, and infomatrics Scientometrics, 52, 291-314.
8. Tagliacozzo.(1977). Self-citation in scientific literature. Journal of Documentation, 33(4), 2512-2655.
9. Vidyanidhi (2010). http:www//vidyanidhi.org.in accessed date 5/12/2010.
10. Vijaykumar, K.P., (1998). Statistical indicators of the scientific and technical communication. Rockville Md King Research Inc, V2.
11. Voss and O'Connor, D. O. (1981). Empirical laws, theory construction & bibliometrics. Library Trends 30(1), 9-20.