

## **International Journal of Computer Communication & Control: A Scientometric Analysis**

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### **Abstract:**

*The terms was introduced and came into prominent with finding of journal named scientometric by T. Braunin in 1977. Scientometric is a part of the sociology of science and has application to science and has application to science policy making. Originally published in Hungry and currently form Amsterdam scope of journal to publish all those studies of quantile aspect of science as discipline or economic activity. It involve quantitative studies activates among other publication and so overlap a bibliometric to some extent scientometric is a branch to science. According to Bankapur, M.B. and Kumabar M. (1993) "Scientometrics is a more general than bibliometrics. It is interesting to know, that both disciplines have a large overlap. It is surprised to learn certain comments stating that scientometrics, using bibliometric techniques is a part of bibliometrics."*

**Keyword:** Computer Science, Scientometric, Statistical Analysis, Communication, Etc.

### **Information:-**

A Scientometric analysis: International Journal of Computer Communication & Control is a 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 Computer Communication & Control is published in the yearly four times. It was Founded by Dr.David Grail in 2013. (ISSN:23526368)(Online). The Present study is based on 5 Volumes, 20 issues of International Journal of Computer Communication & Control 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) To Find Average Page ( per volume and per contribution ) contribution.

### **Distribution of contributions (volume wise) .**

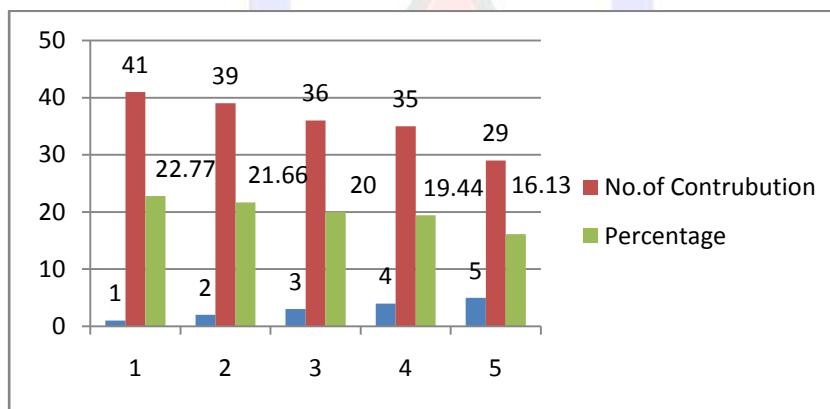
The distribution of contributions is shown in table No.1

**Table No.1 Distribution of Contributions**

Year	Vol. No.	No. of Issue	No. of Contribution	Percentage
2013	1	4	41	22.77
2014	2	4	39	21.66
2015	3	4	36	20.00
2016	4	4	35	19.44
2017	5	4	29	16.13
	<b>Total</b>	<b>20</b>	<b>180</b>	<b>100%</b>

Table No. 1 & Figure No. 1 depicts the details regarding the number of Articles published during 2013-2017 which was 180 and the year wise analysis of the contribution shows that average number of per year contribution is maximum i.e. 41 (22.77%) in the year 2013.

**Figure no. 1 Distribution of Contributions**



#### Authorship Pattern of Contributions

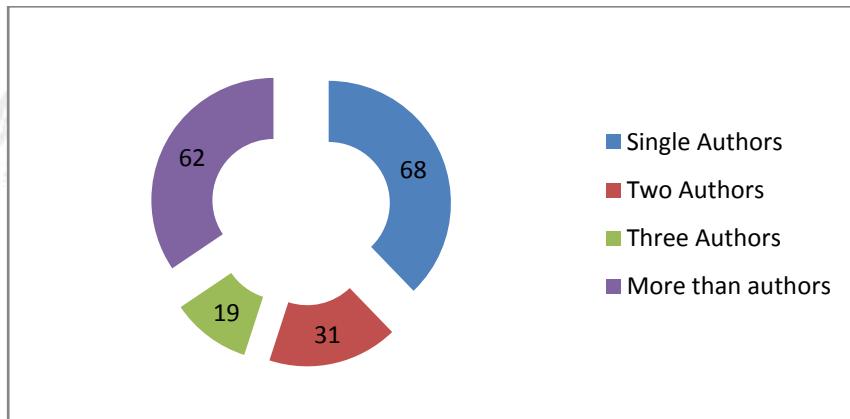
The authorship pattern of contributions is for shown in Table No.2.

**Table No.2 Authorship Pattern of Contribution**

No. of Authors	No. of Contribution	Total No. of Authorship	Percentage
Single Authors	68	68	15.52%
Two Authors	31	62	14.15%
Three Authors	19	57	13.03%
More than authors	62	251	57.30%
<b>Total</b>	<b>180</b>	<b>438</b>	<b>100%</b>

Table No. 2 & Figure No. 2 Indicates that the details about the authorship pattern 68 articles (15.74%) out of 180 articles have been contributed by Single author which is followed by More than Three Authors 62 (57.30%), 31 articles (13.03%) by two authors and 19 articles (13.03%) 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)**

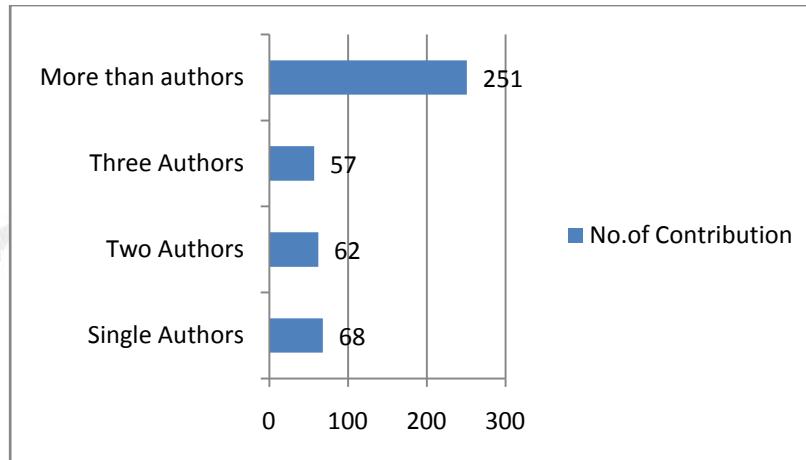
The authorship pattern of contributions is revealed in table in 4 given below.

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

Vol. No.	Single Authors	Two Authors	Three Authors	More Than Authors	Total
1	17	20	12	38	87
2	21	6	12	48	87
3	7	17	21	44	89
4	1	19	5	51	76
5	22	0	7	70	99
<b>Total</b>	<b>68</b>	<b>62</b>	<b>57</b>	<b>251</b>	<b>438</b>

Table No.3 and Fig No. 3 Shows the authorship pattern of contributions volume-wise regarding contributions by a single author records the contributions (68), However the two author contributions, (21) shows the three author contributions (57), the More than author contributions highest (251), reflects the maximum percentage.

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



#### Contribution ( Institution –wise)

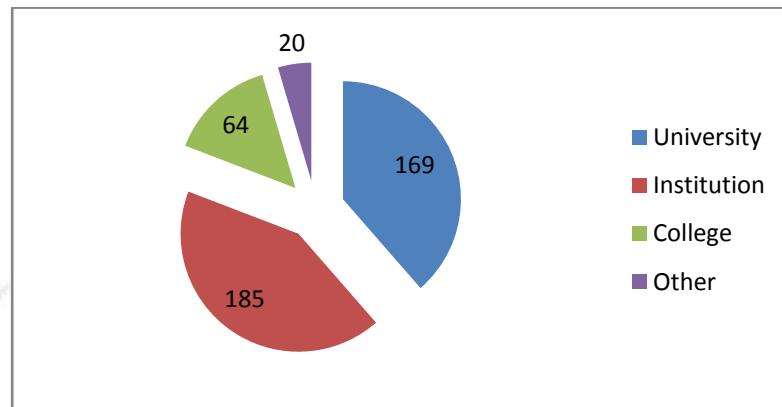
Contribution is displayed in the table no.4.

**Table No.4 Institution wise contribution**

Vol. No	Year	University	Institution	College	Other	Total
1	2013	61	19	2	2	84
2	2014	42	22	11	7	82
3	2015	37	49	16	4	106
4	2016	17	39	8	0	64
5	2017	12	56	27	7	102
	<b>Total</b>	<b>169</b>	<b>185</b>	<b>64</b>	<b>20</b>	<b>438</b>

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 438 contributions were 169 contribution and College and Intuition contribution was 185 &, 64 contributions and others 20. **Hypothesis No.2 hence i.e. maximum number of contribution is at university level.**

**Figure no. 4 Institution wise contribution.**



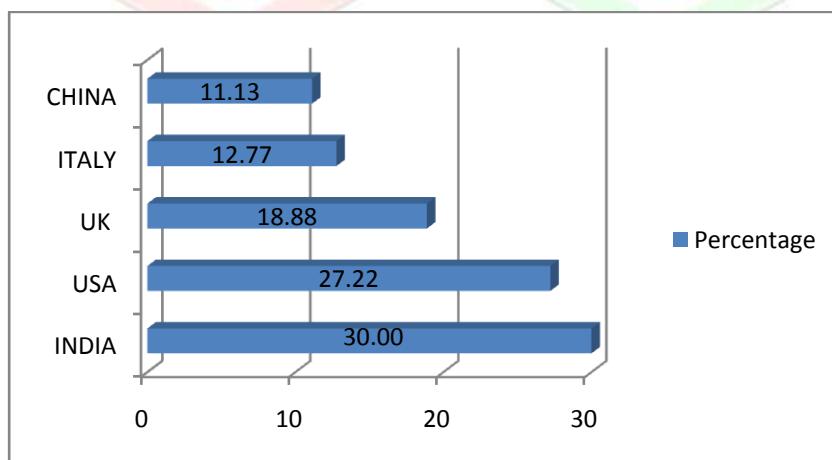
**The Geographical distribution of contribution International level.**

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

Sr. No.	Name of State	No. of Contribution	Percentage
1	INDIA	54	30.00
2	USA	49	27.22
3	UK	34	18.88
4	ITALY	23	12.77
5	CHINA	20	11.13
	<b>TOTAL</b>	<b>180</b>	<b>100%</b>

Table No.5 shows the geographical distributions of contributions at International level INDIA is Maximum percentage 54 (30.00%), and minimum Percentage of CHINA 20 (11.13%).

**Figure No. 5 Geographical distribution of contribution in International level**



### Average Citation per contribution in each volume

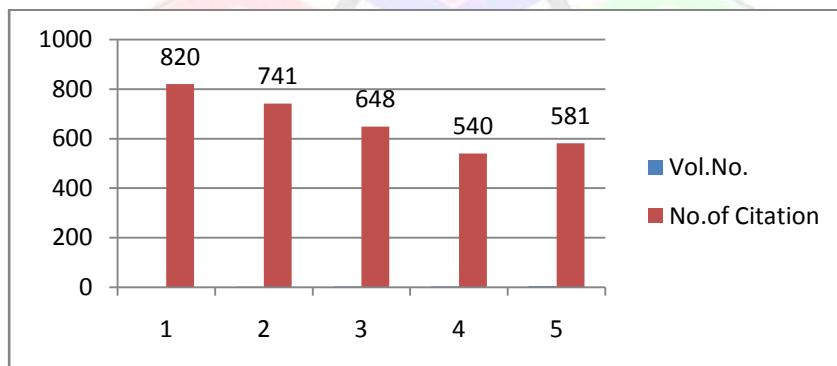
The average citation per contribution in each volume in showed in

**Table No.6 Average Citation per contribution in each volume.**

Vol. No.	No. of Contribution	No. of Citation	Average
1	41	820	24.65
2	39	741	22.25
3	36	648	19.45
4	35	540	16.21
5	29	581	17.44
<b>Total</b>	<b>180</b>	<b>3330</b>	<b>100%</b>

It can be observed for average citation per contribution in each volume. Volume No. 3 648 (19.45%) contributed 36 contribution of which highest numbers of citation appeared in vol. No.1 (24.65%) 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

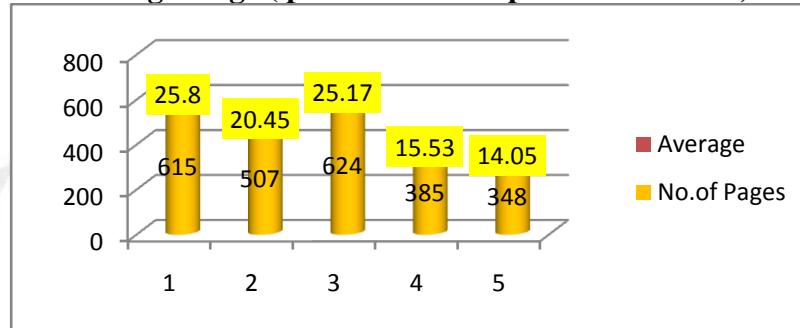
Average Page ( per volume and per contribution ) contribution in each volume in showed in

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

Vol. No.	Contribution	No. of Pages	Average
1	41	615	25.80
2	39	507	20.45
3	36	624	25.17
4	35	385	15.53
5	29	348	14.05
<b>Total</b>	<b>180</b>	<b>2479</b>	<b>100%</b>

It can be observed for average pages per contribution in each volume. Volume No.(3) (25.17%) contributed 624 pages. contribution of which highest numbers of pages appeared in vol. No.1 (25.80%) contribution of which minimum number of pages appeared in Vol.No.5 (14.05%).

**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 Computer Communication & Control is published in the yearly four times. It was founded by Dr. David Grail in 2013. (ISSN:23526368) (Online). A Scientometric analysis is the technique these online downloaded journals are presented in a manner corresponding to objectives of the study.

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