Authorship Pattern and Degree of Collaboration of Indian journal of Information Library and society (IJLIS) Period 2012 – 2016

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Abstract

This study based on Bibliometric Analysis of Authorship Pattern and Degree of Collaboration of Indian journal of Information Library and society (IJLIS) Period 2012 – 2016. The results showed that highest numbers 35 (24.82%) of the articles published in the year 2016 and lowest 21(14.89%) *numbers of the articles published in the years 2014. out of* 233 contributors. *71(30.47%) Articles were contributed b*y *single* authors, *104(46.63%)* contributions by two authors, *54(23.17%)* contribution*s* by three authors, and *04 (1.7%)* contributions by four authors. *Highest numbers of the authors contributions are from* Telangana *53 (22.74%) with first rank and lowest numbers of the authors contributions are from Haryana & Goa 1(0.42%). With 13th rank.*The Highest contributation *i.e. 19* articles (13.47%) *were by Param Bhushan Bana Bihari Shukla* w*ho secured* first rank *in the list and D*egree of author Collaboration is 69.52%

.Keywords

*Authorship pattern; productivity; Indian journal of Information Library and society (IJLIS) and D*egree of author Collaboration.
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Electronic access
The journal is available at www.jalis.in

INTRODUCTION

Authorship pattern and degree of collaboration are the major aspect of the any journal because it analysis the author productivity, pattern and collaboration condition. In this context there are analyzed Authorship Pattern and Degree of Collaboration of Indian journal of Information Library and society (IJLIS) Period 2012 – 2016. It is a very popular peer reviewed on line journal field in the Library and Information science. It publish from Cuttack Odisha. The editor of the journal is Param bhushan Dr. Bana bihari Shukla. it journal published original research papers field in the Library and Information science. the purpose of this journal is disseminate new research output to globle community. field in the Library and Information science.

The term Bibliometric was first used by Alan Pritchard in 1969. Bibliometric study is one of the most popular study field in the Library & Information Science.

REVIEW OF LITERATURE

Viswanathan & Tamizhchelvan (2016). The present study analysis the authorship pattern of spacecrafts Research output. As a result found 2,58,861 articles published during the study period 2000 – 2014. The average numbers of the authors per publication was 4.14 and per authors publication was 0.24. kuri & Aadin (2016). The present study analysis the international journal of information Disseminatation and technology (IJIDT) : bibliometric study and found that during study period (2011 - 2015) published 254 Articles. Per paper total average numbers of author was 01.86. the degree of the collaboration was 0.59% and the University representative nearly 60% Article contributed. & More than 50 % papers are in between 1 – 5 page lenth i.e. 131 (51.74%).Ali, Ambika & Chikkamanju (2016). In his study Bibliomeric analysis of the global traditional knowledge during 1989 -2015 found that pieroni A. and zhang Y. was the most productive authors who published 40 articles with first rank. USA product 7844 research articles with the first rank and highest 226 (0.93%) research articles contributed by university of Toronto respectively.Ganganna (2017). In his study A Bibliometric analysis of the journal of Academic Librarianship for the period of 2012 – 2016 found that highest number of Article published in the year 2014 and lowest number of the Articles published in the year 2012. The highest number of the contributed by two authors during study period and also found

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that majority of the articles 67(14.19%) have the length 7 pages and highest paper page length is 29.

METHODOLOGY

The Present Study based on Bibliometric Analysis. in this study analyzed the 141 articles with 233 Authors of Indian journal of Information Library and society (IJLIS) During 2012 – 2016.

OBJECTIVES OF THE STUDY

The main objective of this Study are as follows.
1. To Study the Year wise Distribution of Articles
2. To know Year wise Author Productivity
3. To Analyze Authorship Pattern
4. To Study Authorship Pattern of single and joint contributions
5. To know State wise distribution of Indian Authors
6. To Study Degree of Collaboration
7. To know top Most seven productive authors
8. To know Authors Contributions with one paper

DATA ANALYSIS AND INTERPRITATION

Table 1: year wise Distribution of Article

S. NO.	year	Volume	Article	Percentage %
1	2012	25	24	17.02%
2	2013	26	31	21.98%
3	2014	27	21	14.89%
4	2015	28	30	21.27%
5	2016	29	35	24.82%
	Total	**05**	**141**	**100**%

Table -1 Show the year wise distribution of articles. The highest 35 (24.82%) articles Published in the year 2016 followed by 31 (21.98%) published in the 2013, 30(21.27%) published in the 2015, 24(17.02%) published in the 2012 and 21(14.89%) article published in the year 2014. as a result found that highest numbers 35 (24.82%) of the articles published in the year 2016 and lowest 21(14.89%) numbers of the articles published in the years 2014.

Table 2: Year wise Author Productivity

S. NO.	Year	Volume	Article	No. of Authors	Percentage %
1	2012	25	24	45	19.31%
2	2013	26	31	52	22.31%
3	2014	27	21	30	12.87%
4	2015	28	30	54	23.17%
5	2016	29	35	52	22.31%
	Total		**141**	**233**	**100 %**

Table- 2 indicates that out of 233 contributors. highest numbers of the contributors 54 (23.17%) cotributed in the year 2015 followed by 52 (22.31%) contributed in the year 2013 & 2016, 45(19.31%) contributed in the year 2012 and 30 (12.87%) contributed in the year 2014. as a results found that highest numbers of the contributors 54 (23.17%) cotributed in the year 2015 and lowest numbers of the contributors 30 (12.87%) contributed in the year 2014.

Table 3: Authorship Pattern

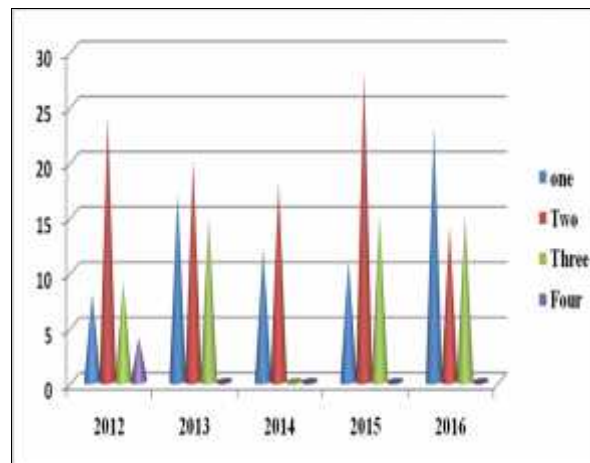| S. NO.	Year	Volume	No of Authors				Total
			one	Two	Three	Four	
1	2012	25	08	24	09	04	45
2	2013	26	17	20	15	00	52
3	2014	27	12	18	00	00	30
4	2015	28	11	28	15	00	54
5	2016	29	23	14	15	00	52
	Total		**71 (30.47%)**	**104 (46.63%)**	**54 (23.17%)**	**04 (1.7%)**	**233**

Fig: 1 Authorship Pattern

Table- 3 Display the year wise authorship pattern show that out of 233 contributors. 71(30.47%) Articles were contributed by single authors, 104(46.63%) contributions by two authors, 54(23.17%) contributions by three authors, and 04(1.7%) contributions by four authors.

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Table 4: Authorship Pattern of single and joint contributions

S. NO.	Year	Volume	Single Author	joint Authors	Total
1	2012	25	8	37	45
2	2013	26	17	35	52
3	2014	27	12	18	30
4	2015	28	11	43	54
5	2016	29	23	29	52
	Total		71(30.47%)	162 (69.52 %)	233

A perusal of Table – 5 reveal the Authorship Pattern of single and joint contributions. It show that**,** 71(30.47%) contributors contributed with single authors and 162 (69.52 %) contributors contributed with joint authors
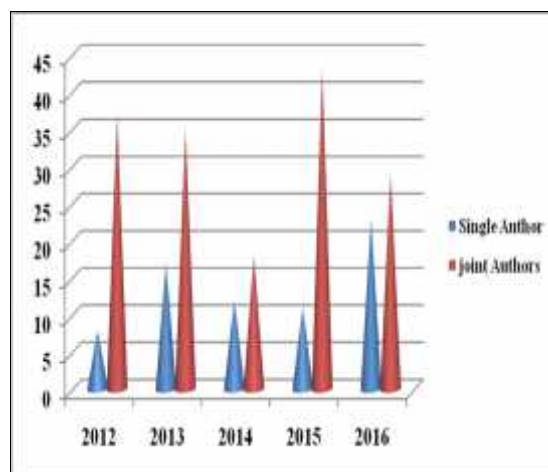

Fig: 2 Authorship Pattern of single and joint contributions

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Table: 5 State wise distribution of Indian Authors

Rank	Name of State	Authors					Total	%
		2012	2013	2014	2015	2016		
1	Telangana	7	3	0	27	16	53	22.74%
2	Odisha	8	7	14	10	12	51	21.88%
3	Tamilnadu	16	10	2	2	2	32	13.73%
4	Andhra Pradesh	0	11	4	2	5	22	9.44%
5	Utter Pradesh	2	4	3	3	4	16	6.86%
6	Rajsthan	1	3	1	4	5	14	6.00%
7	Karnataka	4	2	2	3	0	11	4.72%
8	Maharashtra	4	0	0	2	2	8	3.43%
9	Punjab	0	4	1	0	2	7	3.00%
10	Madhya Pradesh	0	3	0	0	3	6	2.57%
11	West Bengol	1	2	2	0	0	5	2.14%
12	Uttarakhand	2	0	1	0	0	3	1.28%
12	kerala	0	3	0	0	0	3	1.28%
13	Haryana	0	0	0	1	0	1	0.42%
13	Goa	0	0	0	0	1	1	0.42%
	Total						233	100%

Table - 4 Analyses the State Wise distribution of the Articles the highest numbers of the authors contributions are from Telangana 53 (22.74%) with first rank Followed by Odisha 51 (21.88%), Tamilnadu 32 (13.73%), Andhra Pradesh 22 (9.44%), Utter Pradesh 16 (6.86%) Rajasthan 14 (6.00%) Karnataka11 (4.72%) , Maharashtra 8 (3.43%), Punjab 7 (3.00%), Madhya Pradesh 6 (2.57%) West Bengol 5 (2.14%) Uttarakhand& Kerala 3(1.28%) and Harayana & Goa 1(0.42%).

Table 6: Degree of Collaboration

Year	Single (N_s)	Multiple (N_m)	$N_s + N_m$	Degree of Collaboration
2012	8	37	45	82.22%
2013	17	35	52	67.30%
2014	12	18	30	60%
2015	11	43	54	79.62%
2016	23	29	52	55.76%
Total	**71**	**162**	**233**	**69.52**%

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Table - 6 Indicates the Degree of Collaboration of the Indian journal of Information Library and society (IJLIS) Period 2012 – 2016. to determine Degree of author Collaboration in quantitative term the formula given by K. Subramanyam (1982) was used.

where -

DC= Degree of Collaboration

NM= Number of multi authored papers

NS= Number of single authored papers

DC=NM/NM+NS

$$DC = 162/162+71$$
$$= 162/233$$
$$= 69.52$$

as a result, the degree of author collaboration in the Indian journal of Information Library and society (IJLIS) Period 2012 – 2016. is 69.52 which clearly indicates the dominance of multiple authors contributions.

Table - 7 Top Most seven productive authors

Table -5 Show the top seven productive author of the Indian journal of Information Library and society (IJLIS) Period 2012 – 2016. The Highest contributation i.e. 19 articles (13.47%) were by Param Bhushan Bana Bihari Shukla who secured with first rank in the list. The Second highest contribution i.e 18 articles (12.76%) were by L.S.R.C.V. Ramesh. Third highest contributation i.e. 17 articles (12.05%) were by A.V.S.S. Naga Raju. Further 5 articles (3.54%) each were contributed by Anil Kumar Dhiman, M. Doraswamy & Kapil singh Hada. 4 Articles (2.83%) each were contributed by Saravanan T., K. Veeranjaneyulu & Md. Vali Hussain 3 Articles (2.12%) each were contributed by J. Abraham, Bikram Keshari Shukla, Jawahar Lal, Suvra Chandra, L. Rajendran, Rajesh Kuamr Singh, Anna Kaushik, Bhavanishankar B. & Arjuna Jena. Also 2 articles (1.41%) each were contributed by V. Pulla Reddy, Chitrarekha Kuffalikar, P.J. Nirmala, A.jaya Prakash, K. C. Das, S. Kanthimathi, Manshi Mishara, J. N. Gautam, D. Maheshwar Rao, Jamil Ahmed & Vikram singh securing seventh rank in the list.

Rank	Name of Authors	No of Articles (N= 141)	%
1	Param Bhushan Bana Bihari Shukla	19	13.47
2	L.S.R.C.V. Ramesh	18	12.76
3	A.V.S.S. Naga Raju	17	12.05
4	Anil Kumar Dhiman	5	3.54
4	M. Doraswamy	5	3.54
4	Kapil singh Hada	5	3.54
5	Saravanan T.	4	2.83
5	K. Veeranjaneyulu	4	2.83
5	Md. Vali Hussain	4	2.83
6	J. Abraham	3	2.12
6	Bikram Keshari Shukla	3	2.12
6	Jawahar Lal	3	2.12
6	Suvra Chandra	3	2.12
6	L. Rajendran	3	2.12
6	Rajesh Kuamr Singh	3	2.12
6	Anna Kaushik	3	2.12
6	Bhavanishankar B.	3	2.12
6	Arjuna Jena	3	2.12
7	V. Pulla Reddy	2	1.41
7	Chitrarekha Kuffalikar	2	1.41
7	P.J. Nirmala	2	1.41
7	A.jaya Prakash	2	1.41
7	K. C. Das	2	1.41
7	S. Kanthimathi	2	1.41
7	Manshi Mishara	2	1.41
7	J. N. Gautam	2	1.41
7	D. Maheshwar Rao	2	1.41
7	Jamil Ahmed	2	1.41
7	Vikram singh	2	1.41

Table: 8 Authors Contributions with one paper

S.No.	Name of Authors	No of Contribution
1	Yashoda Rani	**1**
2	I.Ravi kumar kennady	1
3	S. Sachithanantham	1
4	A.Celestine Raj Manohar	1
5	R. Subburam	1
6	S. B. Patil	1
7	A. N. Joshi	1
8	G. Subramanyam	1
9	Kamal lochan jena	1
10	Dillip Kumar Swain	1
11	B.U. Kannappanavar	1
12	H.M. Chidananda Swamy	1
13	G. Rathina satpathy	1
14	S. Mohamed Esmail	1

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15	R. Magesh	1
16	S. Subramani	1
17	Nibedita Senapati	1
18	Puspita Mishara	1
19	Depanjali Mishra	1
20	B. Sahoo	1
21	Praveen Babel	1
22	S.D. Vyas	1
23	Md. Wasim Raja	1
24	Abhas Khan A. A.	1
25	B. O. Sathivel Murugan	1
26	K. Jayanth Kumar	1
27	D. Rajya lakshmi	1
28	Mohan R. Kherde	1
29	Sonali A Deshmukh	1
30	J. Dominic	1
31	Praveen kumar	1
32	Sewa Singh	1
33	V. Nagabhushanam	1
34	Sujatha R.	1
35	Laila T.Abraham	1
36	Mahesh Rajan M.	1
37	Sudhir Kumar Jena	1
38	Kunwar singh	1
39	Vikram singh Rathore	1
40	O. Seshaiah	1
41	Avineni Kishore	1
42	A. Venkatanarayana	1
43	**Rajani M. Galagoli**	1
44	J. Simhachalam	1
45	K.L. Narasimha Murthy	1
46	Manjit Kaur	1
47	B. Vijayabhinandana	1
48	Supriya Indapurkar	1
49	Preeti patel	1
50	G.H.S. Naidu	1
51	S. Arockiasamy	1
52	Anil Agrawal	1
52	Santosh kumar	1
54	**A.k.Mandol**	1
55	A.K.Rai	1
56	L. Mohan Kumar	1
57	M. Govinda samy	1
58	Rajeev Manhas	1
61	Paramananda Mishra	1
62	V. Sheela	1
63	T. Sambasiva Rao	1
34	C. Srinivasa Raju	1
65	Punit Kumar Singh	1
66	Md. Ziaur Rahman	1
67	Sabahat Nausheen	1

68	Sarita Rani	1
69	Aruna Panda	1
70	U.S. Jadhav	1
71	Y. Uma Devi	1
72	Bedarata Dash	1
73	Pushpanjali jena	1
74	Rashmi Satpathy	1
75	P.P. Padmaja	1
76	N. CH. VardaRaju	1
77	N.P. Ravi Kumar	1
78	Satish Kumar	1
79	Raghuvendra P. Ingahal	1
80	Rajive Pateria	1
81	T. Shreenivasa Rao	1
82	Neha Uikey	1
83	M. Padmaja	1
84	V.V. Kulkarni	1
85	Archana Kokodkar	1
86	P.N. Kaula	1
87	B.K. Sharma	1
88	U.G. Sharma	1
89	S.K. Sharma	1
90	Niranjan Singh	1
91	B.S.Garg	1
92	A.A.N. Raju	1
93	Harish Chandra	1
94	S.P. Meheta	1
95	H.R.chopra	1
96	Manoja Kumar Acharya	1
97	L.D.K. Kranthi Kumar	1
98	Kusuma Kumari	1
99	Kulvir Kaur	1

Table – 8 Show the Authors Contributions with one paper it table display total 99 authors who contributed with one papers during 2012 – 2016. are following - Yashoda Rani, I.Ravi kumar kennady, S. Sachithanantham, A.Celestine Raj Manohar, R. Subburam, S. B. Patil, A. N. Joshi, G. Subramanyam, Kamal lochan jena, Dillip Kumar Swain, B.U. Kannappanavar, H.M. Chidananda Swamy, G. Rathina satpathy, S. Mohamed Esmail, R. Magesh, S. Subramani, Nibedita Senapati, Puspita Mishara, Depanjali Mishra, B. Sahoo, Praveen Babel ,S.D. Vyas, Md. Wasim Raja, Abhas Khan A. A., B. O. Sathivel Murugan, K. Jayanth Kumar, D. Rajya lakshmi, Mohan R. Kherde, Sonali A Deshmukh, J. Dominic, Praveen kumar, Sewa Singh, V. Nagabhushanam, Sujatha R., Laila T.Abraham, Mahesh Rajan M., Sudhir Kumar Jena, Kunwar singh, Vikram singh Rathore, O. Seshaiah, Avineni Kishore, A. Venkatanarayana, Rajani M. Galagoli, J.

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Simhachalam, K.L. Narasimha Murthy, Manjit Kaur, B. Vijayabhinandana, Supriya Indapurkar, Preeti patel, G.H.S. Naidu, S. Arockiasamy, Anil Agrawal, Santosh kumar, A.k.Mandol, A.K.Rai, L. Mohan Kumar, M. Govinda samy, Rajeev Manhas, Paramananda Mishra, V. Sheela, T. Sambasiva Rao, C. Srinivasa Raju, Punit Kumar Singh, Md. Ziaur Rahman, Sabahat Nausheen, Sarita Rani, Aruna Panda, U.S. Jadhav, Y. Uma Devi, Bedarata Dash, Pushpanjali jena, Rashmi Satpathy, P.P. Padmaja, N. CH. Vardaraju, N.P. Ravi Kumar, Satish Kumar, Raghuvendra P. Ingahal, Rajive Pateria, T. Shreenivasa Rao, Neha Uikey, M. Padmaja, V.V. Kulkarni, Archana Kokodkar, P.N. Kaula, B. K. Sharma, U.G. Sharma, S.K. Sharma, Niranjan Singh, B.S.Garg, A.A.N. Raju, Harish Chandra, S.P. Meheta, H.R.Chopra, Manoja Kumar Acharya, L.D.K. Kranthi Kumar, Kusuma Kumari & Kulvir Kaur.

FINDINGS

1. The highest numbers 35 (24.82%) of the articles published in the year 2016 and lowest numbers 21(14.89%)of the articles published in the years 2014.
2. Highest numbers of the authors contributions are from Telangana 53 (22.74%) with first rank and lowest numbers of the authors contributions are from Haryana & Goa 1(0.42%). With 13th rank.
3. The highest contributation i.e. 19 articles (13.47%) were by Param Bhushan Bana Bihari Shukla who secured first rank in the list.
4. articles (1.41%) each were contributed by V. Pulla Reddy, Chitrarekha Kuffalikar, P.J. Nirmala, A.jaya Prakash, K. C. Das, S. Kanthimathi, Manshi Mishara, J. N. Gautam, D. Maheshwar Rao, Jamil Ahmed & Vikram singh securing seventh rank in the list.
5. Out of 233 authors 99 authors contributed one paper during study period 2012 – 2016. Degree of author Collaboration is 69.52%

COCLUSION

On the basis of findings as a result found that during the study period 2012 – 2016 the journal has published 141. The highest numbers 35 (24.82%) of the articles published in the year 2016 and lowest 21(14.89%) in the 2014.71(30.47%) contributors contributed with single authors and 162 (69.52 %) contributors contributed with joint authors.The highest numbers of the authors contributions are from Telangana 53 (22.74%) with first rank and lowest

numbers of the authors contributions are from Haryana & Goa 1(0.42%). With 13th rank.The highest contributation i.e. 19 articles (13.47%) were by Param Bhushan Bana Bihari Shukla who secured first rank in the list. Also 2 articles (1.41%) each were contributed by V. Pulla Reddy, Chitrarekha Kuffalikar, P.J. Nirmala, A.jaya Prakash, K. C. Das, S. Kanthimathi, Manshi Mishara, J. N. Gautam, D. Maheshwar Rao, Jamil Ahmed & Vikram singh securing seventh rank in the list. Out of 233 authors 99 authors contributed one paper during study period.

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