

Intellectual Productivity Of College Librarians

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Abstract- Productivity patterns needed to analysis of research performance of college Librarians in their profession. Productivity patterns to identify the role of librarian in promotion of Library & Information profession in department and to increase the productivity of library management. The study gives status of college librarian Research Productivity area of Dr. BAMU, Aurangabad.

Keywords- Productivity Patterns, Author Productivity,

I. INTRODUCTION

It also provides some insights into the complex dynamics of research activity and enables the science policy makers and social science administrators to make available adequate facilities and the research activities in proper direction. Evaluating the productivity of institutional research and developmental activities highlights the contribution of the institution and the individual librarians engaged. A well known productivity indicator is the number of publication produced by College Librarians, institutions, or research groups. Present chapter aims to measure productivity of College librarian in Dr Babasaheb Ambedkar Marathwada University, Aurangabad

1. Conceptual Analysis

1.1 Dr. Babasaheb Ambedkar Marathwada University

The state legislature passed the Marathwada University Act, 1958 to establish and incorporate a teaching and affiliating university at Aurangabad. The act received assent of the Governor on may 5 and the university was inaugurated on August 23, 1958 from May 21, 1974 the university is governed by Act no. XXV of 1994 passed by the Maharashtra legislature and assented to by the president of India.

1.2 Productivity Patterns

Productivity Patterns mean the information resources for effective and efficient use, it is necessary that characteristics of in information sources are studied. Studies

has broadly in two ways productivity pattern of journal and information generator of the authors. The term productivity pattern reflects on author productivity, authorship pattern, co-authorship impact factor of author as well as journals etc.

2. Proposed Research

Productivity patterns needed to analysis of research performance of college Librarian in their profession. Productivity patterns to identify the role of librarian in promotion of Library & Information profession in department and to increase the productivity of library management.

3. Scope and Limitation of the Study

The study consists of Affiliated to Dr. BAMU, Aurangabad in all granted colleges (Arts, Science, Commerce college, B.ed college, Law college) in urban & rural areas. The study is limited for 86 college Librarians between 2000 to 2014 total fifteen years research productivity only.

4. Objectives of Study

1. To know the contribution of college Librarians in publication.
2. To collect the information of college librarians pertaining to publication.
3. To study the success and compare the Rural and Urban college librarians in relation to their publication.
4. To know the gender based area wise and chronologically contribution of literature in publication.
5. To suggest the suitable improvements in contribution of publication and of affiliated college librarians of Dr. Babasahed Ambedkar Marathwada University, Auraganbad.

5. Methods and Materials

In the present research, there is need to use survey methods. The research material is filled by the college librarians through the questionnaire method.

In this, we have taken the information of the college librarian's.

6. Review of Related Literature

Solanke, D. S., Deshmukh Rahul K., (2018), Analysis on the "Six Sigma" Methodological Approaches in Web of Science database during 2007- 2018, Deshmukh, Rahul K., Ghumre, Shivshankar, Bibliometrics Analysis on the Six Sigma Methodological Approaches to Scopus During 2007-2015 term "six sigma" comes from statistics and is used in statistical quality control, The result indicates that there were total 4027 (3 March 2018) documents on "Six Sigma" in Scopus during the period. Deshmukh Rahul K., Taksande Pratibha G., (2015) Impact of Correlation on Research Productivity, the 86 college librarians publications, related to the contribution of Karl Pearson's correlation has been shown to have correlation created through MATRIX, in which total productivity. Khiste G.P., Maske D.B. & Deshmukh R.K. (2018) discusses the "Knowledge Management" as reflected in Scopus for the period from 2007–2016. The result indicates that there were total 7996 documents on Knowledge Management during 2007 to 2016. At the international front, India's contribution to Knowledge Management is 298 documents during 2007 to 2016, which is rank on tenth. Khiste G.P., Maske Dnyaneshwar B. & Deshmukh R.K. (2018) analyzed Big Data Output in J-gate during 2013 to 2017. Khiste G.P., Awate Avinash & Deshmukh R.K. (2018) discussed Literature audit of 'digital library' by J-Gate database. Maske, D. B., Deshmukh R. K & Khiste Gajanan P. (2018) analysed the items on "Information Literacy" as reflected in J-Gate for the period from 2007 to 2016. Khiste Gajanan P & Awate Avinash P & Deshmukh Rahul (2018) Mapping of the literature on 'Information Literacy' by Using Science teachers during 2008-2017. Veer D.K., Khiste G. P. & Deshmukh R., (2018) explained the term Information Literacy as reflected in SCOPUS during the period during 2007 to 2016. Deshmukh R.k & Taksande P.G (2017) "An Analytical Study of College Librarians' in Contribution of Publication & Extra- Curricular Activities in Colleges Affiliated by Dr. B.A.M.U, Aurangabad." Ph.D Theses submitted by RTMNU, Nagpur. Khiste G.P., Deshmukh R.K. & Kale V.A. (2017) discusses the "Bibliometric" as reflected in J-Gate for the period from 2005 to 2016. This study investigates the highly productive authors, Document Type, Geographical distribution by country, etc.

1. Response of Questioner DR.BAMU affiliated college Librarians

Publication Status of College Librarians Affiliated to DR.BAMU, Aurangabad the collected data is analyzed in Table 1

Table No. 1 Status of Respondents

Sr No.	Area	No. of colleges	Response	%
01	Aurangabad	30	28	23.93%
02	Jalna	13	12	10.25%
03	Beed	31	30	25.64%
04	Osmanabad	19	16	13.67%
	Total	93	86	73.50%

Shows information pertaining to the colleges having no of librarians. It was apparent that total 93 college librarians in Affiliated under DR.BAMU University. Total 86 college librarians Responded to questionnaire .

II. AUTHOR PRODUCTIVITY

2.1 Language wise productivity

Language is an important media of communication. Each one expresses his/her opinion with the help of language. Authors convey their thought through publication in a specific Language, especially mother tongue. The data collected according to languages used by College Librarian of BAMU, Aurangabad for their publication which is shown in Table No. 2.1

Table No. 2.1 Language wise Distribution

Languages	Publication	Percentages
English	1156	86.14
Marathi	186	13.85
Hindi	0	0
Other Languages	0	0
Total	1342	100

It can be observed from Table No. 2.1, that out of the 1342 publication, 1156 (86.14%) publications were in English. While 186 (13.85%) publications were in Marathi. College Librarian gives the first preference to the English Language. This indicates that Library and Information science subject is dominated by English Language.

2.2 Gender wise productivity

Attempt has been to analyze the data by gender wise College Librarians which is presented in Table No 2.2.

Table 2.2 Gender wise Productivity

Gender	No. of College Librarian	Publications	Percentage
Male	66 (76.74%)	869	64.75
Female	20 (23.25%)	473	35.24
Total	86	1342	100

It can be observed from table no 2.2 that gender wise productivity; Data if in all 86 College Librarians was analyzed according to gender. it can found from the above table no. 2.2 that male College Librarian have published 869 (64.75%) publications giving 66 (76.74%) publications per male College Librarian and female College Librarian have published 473 (35.24%) publication giving 20 (35.24%) publications per female College Librarians. It can also be observed that male College librarian have published 2.8 times more publications than female librarian’s members.

2.3 Classification of Rural and Urban Librarian in Study area

Table no. 2.3 Area wise classification of Librarians working at college libraries affiliated to Dr BAMU, Aurangabad.

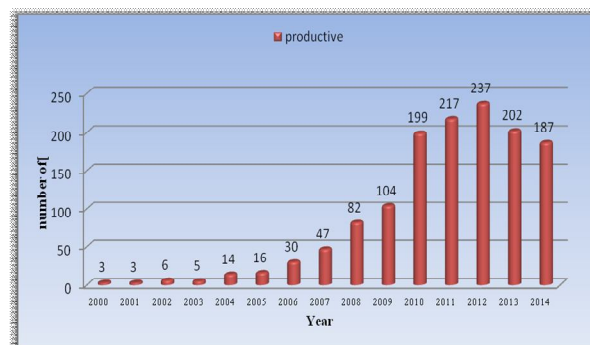
Area	No. of College Librarian	Publications	Percentage
Urban	31 (36.04%)	869	52.75%
Rural	55 (63.95%)	473	47.24 %
Total	86	1342	100%

It can be observed from table no 2.3that Rural & Urban area wise productivity; Data if in all 86 College Librarians was analyzed according to Area. it can found from the above table no. 2.3 that Urban College Librarian have published 869 (52.75%) publications giving 31 (36.04%) publications per urban area College Librarian and rural area College Librarian have published 473 (47.24%) publication giving 55 (63.95%) publications per rural area College Librarians. It can also be observed that Urban area College librarian have published 1.8 times more publications than rural area librarian’s .

2.4 Year wise productivity of College Librarians

Year wise productivity means the publication of College Librarian counted chronologically to see most productive year in a particular year. The college librarian’s productivity between 2000-2014 related to publication have only been considered.

Figure No. 2.4 Year Wise Productivity



The figure no. 2.4 reveals that most productive year was 2012 as total productivity in this year was 237 followed by (217) 2011 and (202) in 2013. As regards the year wise productivity, the lowest has produced 03 publications in the year 2000 & 2001 which is highest number in year wise publications during 2012 time period.

2.5 Experience and Research productivity

Table 2.5 in that experience of Librarians create research productivity working at College Libraries affiliated to Dr BAMU, Aurangabad

Degree of Collaboration (DC)

Above Table 2.5 illustrates information pertaining to the research productivity in job experience of librarians working at college libraries affiliated to Dr BAMU, Aurangabad. It was observed that in all 396 (29.50%) research productivity of college librarians has 6 to 10 years job experience, 241 (17.95%) research productivity of college librarians have 1 to 5 years experience, whereas 259 (19.29%) research productivity of college librarians have 11 to 15 years job experience. The Percentage of librarians having job experience 21 above years was research productivity 85 (6.33%) respectively. The detailed information Pertaining to the research productivity in job experience wise of librarians working at college Libraries affiliated to DR. BAMU, Aurangabad is shown in Table no. 5.4.5 It appeared form the study results that majority of librarians working at college libraries affiliated to DR. BAMU, Aurangabad have 6 to 10 year job experience create research productivity.

Sr. No.	Experience	No.of Librarian	Productivity	%	DC
01	1 to5	20	241	17.95%	0.082
02	6 to10	27	396	29.50%	0.068
03	11to15	18	259	19.29%	0.033
04	16 to 20	12	361	26.90%	0.033
05	21 above	09	85	6.33%	0.105
	Total	86	1342	100%	0.064

The Library experience in the study of the year is a librarian 0.105 (DC). With greater experience of above 21years of experience with more degree of collaboration. And higher experience DC of 16 to 20 years experience 0.033 degree of collaboration.

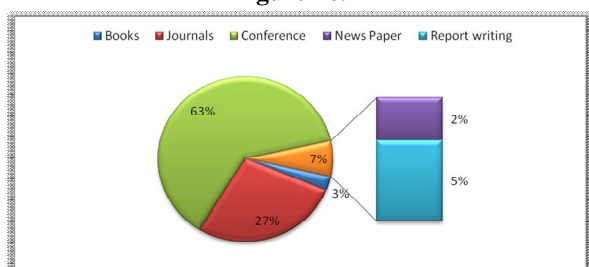
2.6 Total Publication Outlet

Publication outlet means a form in which the articles, News paper and books are published. Publication outlet by College Librarian to publish the total 1342 publications which is presented in Table No.2.6

Table No. 2.6 Publication Outlet

Publication Outlet	Publications	Percentage
Books	38	3
Journals	368	27
Conferences	842	63
News Papers	33	2
Report writings	61	5
Total	1342	100

Figure no. 2



It can be observed from table No. 2.6 and figure no. 2 Revels that out of the total publications the highest percentage i. e. 842 (63%) of publications were Conference articles; followed by 368 (27%) Publications were published in Journals, While, 61 (5%) Publication was published in report writing. 38 (3%) publication were published in Books.. very few i.e. 2 % Publications were published as News Paper article.

2.7 Style Manual Use for Research

Style Manual Use for Research Productivity of College Librarians Affiliated to DR.BAMU, Aurangabad. The collected data is analyzed in table no 2.7.

Table No. 2.7 Style Manual Use for Research

Sr. No	Style Manual Used for	Response	%
1	APA	27	31.39%
2	MLA	10	11.62%
3	Chicago	26	26.74%
4	Harward	13	15.11%
	Total	76	88.37%

Above Table No. 2.7 shows information pertaining to Use for Research Style Manual in articles by librarians. It was observed that out of total respondents' majority of 25 (50%) use APA style manual for research followed by MLA 12 (24%) ; Chicago 05 (10 %) and 08 (16%) respondents use harward style manual for research.

2.8 Purpose of Research

Purpose of Research of College Librarians Affiliated to DR.BAMU Aurangabad The collected data is analyzed in table 2.8

Table No. 2.8 Purpose of Research

Sr. No	Purpose of Research	No. of Respondents	%
1	To upgrade knowledge	46	52.27
2	To upgrade qualification	17	19.31
3	To get promotion	12	13.63
4	To get job	09	10.22
5	for social status	19	21.59
6	To become subject expert	35	39.77

Table no. 2.8 shows that 46 (52.27%) respondents' research purpose is to upgrade knowledge followed by; 17 (19.31%) to upgrade qualification; 12 (13.63%) to get promote on; 09 (10.22%) to get job. 19 (21.59%) to maintain social status, 35 (39.77%) become subject expert .

It is conclude that the highest numbers of 52.27% respondents' research purpose is to upgrade knowledge and lowest number of 10.22 % research purpose is to get job.

2.9 Awareness about Plagiarism

Awareness about Plagiarism of College Librarians Affiliated to DR.BAMU, Aurangabad. The collected data is analyzed in table no. 2.9

Table No. 2.9 Awareness about Plagiarism.

Sr No.	Area	Total	Awareness about Plagiarism			
			Yes	%	No	%
01	Aurangabad	28	22	25	08	9.09
02	Jalna	12	28	31.81	03	3.40
03	Beed	30	12	13.63	06	6.97
04	Osmanabad	16	04	4.54	03	3.48
	Total	86	66	74.98	20	23.25

Table no. 2.9 shows that out of total 66 (74.98%) respondents have awareness about about Plagiarism; whereas 22 (24.98%) respondents are not aware about Awareness about Plagiarism. It was 22 (25%) respondents awareness about Awareness about Plagiarism in Aurangabad district. 28 (31.81%) respondents in Jalna District. 12 (13.63%) respondents in Beed district. and 04 (4.54%) respondents awareness about Awareness about Plagiarism in Osmanabad district.

2.10 Barriers In Research Productivity

Major Barriers for Writing / Publishing Research Papers of College Librarians Affiliated to DR.BAMU, Aurangabad. The collected data is analyzed in table no. 2.10

Table No. 2.10 Barriers in Research Productivity

Sr.No	Barriers in Research Productivity	No. of Respondents	%
01	Insufficient fund	18	20.45
02	Lack of cooperation of Authority	04	4.54
03	Language Barmer	03	3.40
04	Lack of ICT knowledge	05	5.68
05	Time Barmer	71	80.68
06	Availability of resources	15	17.04

We observe that table no. 2.10 shows that majority of 71 (80.68%) respondents have the major barriers in research article is Lack of Time Barrier whereas 18 (20.45%) respondent have the major barriers in research productivity is Insufficient fund; 04 (4.54%) respondents have barriers in research productivity is lack of cooperation to authority; 03 (3.40%) respondents have barriers in research article is Language Barrier; 05 (5.68%) respondents have barriers in research Article lack of Lack of ICT knowledge and 15

(17.04%) respondents have barriers in research article Lack of availability of resources.

It is conclude that the highest number of 71 (80.68%) respondents have the major barriers in research article is Lack of Time Barrier in research article is Insufficient fund and lowest number of 03 (3.40%) respondents have barriers in research article is Language Barrier.

III. MAJOR INFERENCES

- Total 93 college librarians in Affiliated under DR.BAMU University. 86 college librarians Responed to questionnaire .
- College Librarian gives the first preference to the English Language.
- It can also be observed that male College librarian have published 2.8 times more publications than female librarian's .
- Urban area College librarians have published 1.8 times more publications than rural area librarian's members.
- the highest percentage i. e. 842 (63%) of publications were Conference articles

IV. CONCLUSION

Present chapter is based on survey, interview, observation, curriculum vitae of the college librarians affiliated to DR.BAMU, Aurangabad. The received data was Analyzed and presented in tables and figures along with inferences. However important findings were grouped and listed as to the major variables of the study in fifth chapter.

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