

SCIENTOMETRIC PORTRAIT OF Dr. B RAMESH BABU

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ABSTRACT

Scientometrics is an application of quantitative methods used in the history of science. It is one of the techniques for documenting works of eminent scientist and researchers. In this paper an attempt has been made to identify Dr B Ramesh Babu's 236 articles distribute in various facets which include from single authorship to four authorship pattern; Domain wise contributions; Year wise Distributions, Authorship pattern & Collaboration and Channels of Communication.

Keywords: Scientometrics; Scientometric Portrait; Science of science; Individual scientist; Biobibliometrics; Scientific research output;

1. INTRODUCTION

Quantitative documentation of performance of an individual scientist as unit of information generation has wide impact in the domain of Scientometrics. A Scientometrics portrait deals with the quantitative and qualitative documentation of the communication of science by a given scientists. Scientific publication seems to have provided the best available basis for measuring the outputs of individual scientist, as there is a good co-relation between the eminence of scientists and their sustained scholarly publications.¹

The institutions are built by the individuals and around individuals. Institutions are not a group of buildings but it constitutes a group of people working and creating novel and innovative ideas in those buildings. Individuals are the basic foundations of any institutions. By studying the individuals who have reached the top positions in academic and research life will highlight their works and also stimulate the younger generation to emulate their careers. It is now realized that the individuals are the source of ideas.²

Dr. B Ramesh Babu, the well known Professor in Library and Information science is having widely collaboration trend, used various channels of communications, Number of doctorates produced, number of citations received etc. The results indicate that the temporal variation of his productivity and the types of publications published by him are of such nature that he is

eminently qualified to be a role model for the younger generation to follow³. As of now, he has 236 publications to his credit in various areas of library and information science, published in National & International journals and conference/seminar volumes.

2. BIOGRAPHICAL SKETCH

The present study is an attempt to draw a Scientometric portrait of Dr B Ramesh Babu, is an eminent LIS professional, who served his entire creative life for the profession. Dr. B. Ramesh Babu born on 01-07-1952 (official records but as per horoscope it is 07-08-1954) in a middle class family in Pudipatla village (Near Tirupati), Andhra Pradesh. He did primary school education upto 5th standard at native village from 6th to 9th at Zilla Parishad High School at Sathyavedu (Chittoor dist of A.P) and from 10th to 12th standard at Sri Venkateswara Higher Secondary School, Tirupati (TTD). He has Studied B.Com in Sri Govindaraja Swamy Arts College, Tirupati. Later did M.A.(Political Science) and M.Com at Sri Venkateswara University. Courses in: Library and Information Science (LIS) at Certificate level (First Rank) and ;Bachelor's level (Second Rank) at S. V. University. He did M.Lib.Sc., degree at University of Mysore and obtained First Rank with Dr. S. R. Ranganathan Memorial Medal. The doctoral study in LIS completed in the University of Madras under the guidance of Prof. P. Gangadhara Rao and he is the second PhD awardee in LIS from the University of Madras. The topic of research was, "A Study of the Characteristics of Indexes in Philosophical Books with Reference to the Standards on Indexing". He has also completed Diploma in Tamil from the University of Madras. He has been awarded Commonwealth Fellowship for Post-Doctoral research for the year 1999/2000 and worked on "Web OPACs in the UK Academic Libraries", in collaboration with Dr. Ann O'Brien of Department of Information Science, Lough borough University, United Kingdom.⁴

AWARDS

He has awarded the following awards during his Currier.

- **National Best Teacher & Researcher Award** Presented by National Association for Indian Libraries (NAIL)
- **Sri Potti SreeRamulu Telugu University (Hyderabad) Award** Sri Parvathaneni Gangadhara Rao Award in Library and Information Science.
- **Best Paper Award** READIT 2001 Award for the paper presented at the READIT2001 National Conference at IIT, Madras during September 2001.
- **Commonwealth Fellowship** Awarded Commonwealth Fellowship for the year 1999-2000 at Loughborough University, UK.
- **Best Paper Award** C. D. Sharma award for the best paper presented at the 45th All India Library Conference in 1999.
- **University Award** Dr.S.R. Ranganathan Memorial Gold Medal by the University of Mysore for securing FIRST RANK in M.Lib.Sc.

3. ABOUT BIO-BIBLIOMETRICS:

A Bio-Bibliometrics study deals with the bibliographical study of the individual careers of scientists and researchers and correlates the bibliographical analysis of publications with their academic scientific achievements. Recently the term 'Bio-Bibliometrics' is being used for method of retrieving and visualizing biological information that uses co-occurrence of gene naming terms in Medical Sciences to generate semantic links between genes.⁵ Therefore, it is

suggested that 'Scientometric portrait' is the appropriate phrase for studies on scientists, and 'Informetric portrait' for studies on researchers in other disciplines such as arts, humanities, and social sciences.⁶ In scientometric studies, much attention is given to the accomplishments of the scientific researcher in terms of qualitative and quantitative count of his published works whether it is books, chapter in books, conference papers, journal articles or other documents.⁷ The present study has been undertaken to illustrate the achievements of Dr B Ramesh Babu through bibliographical analysis of his research contributions.

4. AIM OF THE STUDY

The main aim of this study is to analyse the publications of a successful professional in the field of Library and Information Science and create 'Role Model' for the younger generation. Keeping this in mind the authors have taken Ramesh Babu's publications for the present Scientometric analysis.

The main Components of the study are:

- To note major achievements through content analysis of publications;
- To analyse domain wise productivity and collaboration coefficients;
- To analyse domain wise growth in the publications and annual collaboration coefficients;
- To depict authorship wise growth in the publications;
- To analyse collaboration activity with all collaborators in various domains as authorship credits to each one;
- To identify prominent collaborators;
- To know various domain channels used;

5. METHODOLOGY

A comprehensive bibliography of 236 publications by Dr Ramesh Babu from 1986 to 2010 was compiled in chronological order. All the 236 publications are taken for the study. The email communication has sent to Dr B Ramesh Babu for their verification and consent for taking up the study. Dr Ramesh Babu gave us the consent and verified all the details in the publication covered during 1986 to 2010. Hence the authors are used the publication authorship position, Domain wise contributions, year wise distribution of articles, authorship collaboration and channels of communication. The authors are used the DDC Classification schedule for analyzing the areas of coverage for the study.⁸

5.1 Authorship Position

Table-1 Dr Ramesh Babu Authorship position

Sl. No	Authorship Position	No. of papers	Percentage of papers	Cumulative Authorship
1	First	149	63.13	149
2	Second	75	31.78	224
3	Third	11	4.66	235
4	Fourth	1	0.43	236
	Total	236	100	236

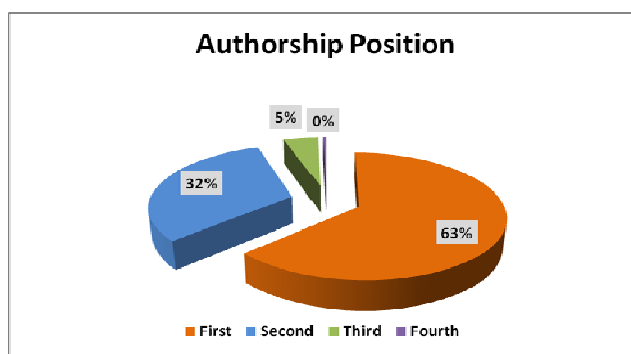


Fig-1 Authorship Position

The table-1 (Fig-1) shows that the number of authors shared about 236 publications. There are 149 publications shared individual author i.e. Dr Ramesh Babu himself which represents about 63.13% of total publication. There are 75 papers are shared between two authors, representing 31.75% of total publication. The three authors shared about 11 publications counting 4.66% and only 1 publication shared by 4 authors which represent 0.43% of the total publication.

5.2 Domain wise Contribution

- | | |
|---|---------------------------------|
| A-ICT | B-LIS Education/Research |
| C-Scientometrics | D-Library Management/ Finance |
| E-Information Literacy | F-Public Library System |
| G-Copyright | H-Reference Tools |
| I- Library Classification/ Organization | J-General |
| K-User studies/ Services/ Facilities | L-Digital Library/ Consortium |
| M-IRS/Information consolidation | N-Websites & links/Open source/ |
| O-OPAC | P-Automation |

Table-2 Domain wise Contributions

Doma ins	Conference Proceedings National/ International	National Journal	International Journal	Non-refereed Conference Proceedings	National Refereed Journal without ISSN	Total
A	24	1	-	2	-	27
B	29	3	3	2	2	39
C	3	13	3	-	1	20
D	9	3	-	-	-	
E	3	1	-	-	-	4
F	13	2	2	1	2	20
G	3	1	-	-	1	5
H	1	2	-	-	2	5
I	9	1	-	-	-	10
J	2	1	-	-	1	4
K	11	5	1	2	-	19
L	26	2	1	2	2	33
M	7	-	-	1	0	8
N	4	4	-	0	0	8
O	14	-	2	-	-	16
P	4	2	-	-	-	6

The domains are assigned an Alphabet, for the author's convenience, so those individual domains are taken to represent an Alphabet in a paper which represented in table no-2 (fig-2). Each domain analysed with the various form & publication. i.e. Conference-National & International, National Journals-with refereed and non refereed etc.

The A-Information and Communication Technology covered 24 publications in international/national conference, 1 in national journal, 2 in non refereed conference proceedings, which represents 27 papers all together.

B- LIS Education/Research covered 39 publications, among them 29 covered in International journal, 2 each in non refereed conference proceedings and national journal without ISSN.

C-Scientometrics, there are about 20 Scientometric publications, out of which 3 are covered in national/International conferences, 13 publications, a highest number of journal publication among the total publications are published in national journals, 3 in international publications and 1 in national journal without ISSN. This shows the importance of Scientometric; research in the form of publications in journal.

D-There are only 4 publications on Digital Library Management, among them 3 in conference and only 1 in national journal.

E-The Information Literacy covered in 4 publications out of which 3 are in conference and 1 is in national journal.

F-Public Library system concept covered 20 publications, out of which 13 are in conference proceedings, 2 each in national & International journal. One in non refereed conference proceeding and 2 are in National Journal without ISSN.

G-The concept of copyright is covered in 5 publications, out of which 3 in conference and 1 each in journal and national journal without ISSN.

H- The reference tools covered 5 publications, out of which there are 2 each in national journal with ISSN and without ISSN and 1 in conference papers.

I-Library Classification and Organization covered 10 publications, among them 9 in Conference and 1 in National Journal.

J-The 4 publications covered on General concepts, 2 in conference 1 each in National Journal with ISSN & without ISSN.

K-The User Studies, services & facilities covered on 19 publications. Among them 11 are in conference, 5 are in National Journal 1 in International Journal, 2 in Non-Referred Conference Proceedings.

L-Digital Library/Consortium covered among 33 publications out of which 26 are conference proceedings 2 in National Journal, 1 in International Journal, 2 each in Non Referred Conference Proceedings and National Journal without ISSN

M-IRS/Consolidation: covered on 8 publications. 7 in Conference Proceedings and one in Non-Referred Conference Proceedings

N-There are 8 publications covered on websites links and out of which 4 each are covered on national & International Journals

O-OPAC Concept Covered in 16 publications. There are 14 publications covered in National Conference and 2 covered in International Journal.

P-on the concept of Library Automation has covered 6 publications among them 4 are in conference and 2 are in National Journal.

5.3 Year-wise Distribution of Papers by Dr. Ramesh Babu

The ratio of the number of collaborative papers to the total number of papers published in various formats during a fixed period of time. Here an analysis has made the publications of Dr Ramesh Babu publication during 1986 to 2010.

Table-3 Year wise distribution of papers by Dr. Ramesh Babu

Year	Conference proceedings/ National & International	National Journals	International Journals	Non-Refereed Conference Proceedings	National journal refereed Without ISSN	Total
1986	-	-	-	-	1	1
1988	-	-	-	-	-	-
1990	10	3	3	2	4	22
1992	4	2	1	1	1	9
1994	10	-	-	-	2	12
1996	18	1	-	-	-	19
1998	14	2	-	-	-	16
2000	31	-	1	2	-	34
2002	22	-	1	-	-	23
2004	18	1	-	-	-	19
2006	13	6	4	3	1	27
2008	7	16	1	2	2	28
2010	15	10	1	-	-	26
Total	162	41	12	10	11	236

During 1986 to 2010 Dr B Ramesh Babu has published 236 publications in various publication formats. The table-3 (Fig-3) represents the year wise contribution of articles of Dr Ramesh Babu. All the above publications in the table are covered in 15 years duration. In 1986 only one publication has published, that too in national refereed journal without ISSN. Followed respectively 22 in 1980; 9 in 1992; 12 in 1994; 19 in 1996; 16 in 1998; 34 in 2000; 23 in 2002; 19 in 2004; 27 in 2006; 28 in 2008 and 26 in 2010 covered all on 236 publications which show the incremental growth of publication every 2 years.

5.4 Authorship Pattern of Ramesh Babu and his Collaborators during 1986-2010

Authors, who have made substantial contribution (in terms of number of papers) in association with the principle author in this case the principle author is Dr Ramesh Babu.

Table-4 Authorship pattern of Ramesh Babu

Collaborators	Conference proceeding/ National & Internationa l	National Journals	International	Non-refereed conference proceeding	National journal refereed without ISSN	Total
Gopalakrishnan, S	10	9	1	2	-	22
Nageswara Rao, P.	5	9		1	1	16
Jeyshankar	-	12	-	-	-	12
Tamizhchelvan	10		1	-	-	11
Ramesha	8	1	-	1	-	10
Kasirao	8	0	-	-	1	9
Chandran D	8	0	-	-	1	9
Narendra Kumar, A.M.	2	5	-	-	-	7
Vijay Kiran A	7	0	-	-	-	7
Rajendran P	4	2	-	1	-	7
Gangadhar Rao		1	3		2	6
Ramakrishnan	2	1	2	-	1	6
Total	64	40	7	5	6	122

The Table-4 (Fig-4) reveals that the research publication collaboration with various authors. Dr. Ramesh Babu collaborated with prominent authors for writing papers in various National & International Journal and Conference Proceedings, covered under ISSN, ISBN Referred and Non Referred Publications. Among total 12 collaborators, Gopal Krishanan Published more than 22 papers comprised 10 conference papers at National & International level. , 09 in National Journals, 1 in International Journal and 2 non Referred conference proceeding publications. There are 16 papers written along with Nageswar Rao P, who contributed 5 papers to conference proceedings, 9 papers to National Journal, 1 paper each in non referred conference proceedings and National journal refereed without ISSN. Mr Jayashankar contributed 12 papers along with Ramesh Babu and all of them are in National Journals. There are 11 papers written along with Tamizhchelvan out of that, 10 papers are in Conference Proceedings and 1 paper in ;International Journal. The two authors Kashirao and Chandran, D shared 9 articles each which respectively covered under 8 each in Conference Proceedings and 1 each in National Referred journal without ISSN. There are 7 papers each shared along with Narendra Kumar A M Rajendran P and Vijay Kiran. Among them along with Nareshndra Kumar A N, 2 papers are in conference proceedings 5 papers are in National Journal, all seven papers with Vijay Kiran are in Conference Proceedings and with Ranjandran P 4 are covered on Conference Proceedings 2 papers in National Journal and one paper in non referred conference proceedings. There are 6 papers each written along with Ramakrishnan and Gangadhar Rao. Among 6 papers with Ramakrishnan, two papers are in Conference Proceedings, 1 paper is in National Journal, 2 papers are in International journal and 1 paper is in National Journal without ISSN. The 6 papers shows with Gangadhar Rao covered 3 are in International Journal 2 are in National refereed Journal without ISSN and 1 is in National Journal.

Above Description of collaboration shows that the Dr Ramesh Babu worked with various LIS Professionals in various facets of the LIS field covered from International journal publications to local Conference Proceedings.

5.5 Journal Channel of Communication: The following table-5 indicates that the list of National/International Journals which published the papers of Dr B Ramesh Babu and his collaborators.

Table-5 Channels of communication

Journals	National Journals	%	International	%
DESIDOC Bulletin of Information Technology	5	12.19	-	-
Library Herald	5	12.19	-	-
Library Review	-	-	5	41.66
Information Age	3	7.31	-	-
Annals of Library Science and Documentation	3	7.31	-	-
IASLIC Bulletin	2	4.87	-	-
Granthalaya Sarvaswam,	2	4.87	-	-
Indian Journal of Agricultural Library and Information Services	2	4.87	-	-
Indian Journal of Library and Information Science	2	4.87	-	-
ILA bulletin	2	4.87	-	-
The Indian Journal of Technical Education	2	4.87	-	-
The Indian Journal of Hospital Pharmacy	2	4.87	-	-
COLLNET Journal of Scientometrics and Information Management	1	2.43	-	-
Library and Information Science Abstracts	1	2.43	-	-
Journal of library and information science	1	2.43	-	-
Lucknow librarian	1	2.43	-	-
Scientometrics	-	-	1	8.33
SRELS Journal of Information Management	1	2.43	-	-
Journal of Information Management,	1	2.43	2	16.66
Journal of Korean Library and Information Science Society;	-	-	3	25.00
Thittam (Yojana – Tamil),	1	2.43	-	-
KELPRO Bulletin	1	2.43	-	-
Indian Journal of Information Science and Services,	1	2.43	-	-
Pearl: Journal of Library and Information Science,	1	2.43	-	-
CLIS Observer	1	2.43	-	-
The electronic Library	-	-	1	8.33
Total	41	100	12	100

Table-5 shows that, Dr Ramesh Babu Used 41 National & 12 International Channels to publish his 53 journal articles during the period of 1969 to 2010. At the National Journal DESIDOC Bulletin of Information Technology and Library Herald tops the rank list with 5(12.19%); followed by 3(7.31%) papers are published in Annals of Library Science and Documentation which are represents 7.31%. There are 7 journals carrying 2 (4.87%) papers each namely IASLIC Bulletin, ILA bulletin, Granthalaya Sarvaswam, Indian Journal of Agricultural Library and Information Services, Indian Journal of Library and Information Science, The Indian Journal of Technical Education and The Indian Journal of Hospital Pharmacy together collectively represent 11 journals carrying 1 paper each namely Information Age, COLLNET Journal of Scientometrics and Information Management, Library and Information Science Abstracts, Journal of library and information science, Luckow librarian, SRELS Journal of Information Management, Journal of Information Management, Thittam (Yojana – Tamil), KELPRO Bulletin, Indian Journal of Information Science and Services, Pearl: Journal of Library and Information Science and CLIS Observer, which together represent total 26.73%.

At the international level the Journal Library Review tops the rank list with 5(41.66%) articles followed by Journal of Korean Library and Information Science Society carried 3(26.00%) articles; Journal of Information Management carried 2(16.66%) articles; Scientometrics and The electronic Library carried 1(8.33%) article each.

6. CONCLUSION:

Prof Ramesh Babu has a brilliant academic and research career. His work has made a mark on various areas he dealt with earnestly for the encouragement of LIS education in India. He has contributed much for the better understanding of various subjects in which he specialized during his professional years. Among 236 publications of Dr Ramesh Babu, 162 publications are in Conference, 41 are in National Journal, 10 are in Non-Referred Conference Proceedings and 11 in National Journal without ISSN. It emphasizes, on his scientific contributions in various journals conference proceedings at national and international level. In his entire career as a LIS professional he has collaborated with 122 eminent LIS scholars, which indicates that he encourages collaborative research activities.

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