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Authorship and Collaborative Patterns in the Singapore Journal of Library and Information Management, 2008-2012

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Abstract: Bibliometric techniques were applied to analyze the authorship trend in the "Singapore Journal of Library and Information Management (SJLIM)" during the period of 2008-2012. A total of 25 articles and 58 authors in the Journal were examined by year and volume to ascertain authorship patterns, author productivity, the average degree of collaboration is 0.84 during the period under study

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I. INTRODUCTION

The Singapore Journal of Library and Information Management (SJLIM) is a peer-reviewed open access e-journal. SJLIM was launched in 2005 and published annual by the Internet Singapore Librarians Club. It is a scholarly journal in English devoted to the various fields of library and information science. It focuses on both the realistic and the academic aspects of international librarianship. It publishes research findings, case studies, book reviews, and technical procedures by faculty, researchers, and students. SJLIM It is indexed with the full text available in the "Library, Information Science & Technology Abstracts with Full Text" database on http://www.las.org. The coverage is from 2005 onwards.LAS has adopted a new copyright statement in support of the open access initiative and is going fully online from 2009. (LISA) and listed in *Ulrich's Periodicals Directory*, *Directory of Open Access Journals* DOAJ (DOAJ), and *Cabell's Directory of Publishing Opportunities in Educational Technology and Library Science*.

II. OBJECTIVE OF THE STUDY

The objectives of the present study are as follows:

1.
2. To study authorship patterns by year and issue
3. To study author productivity
4.
5. To identify most prolific contributors, and
6. To identify degree of author collaboration

III. METHODOLOGY

The data was collected from the open access website of the Singapore Journal of Library and Information Management (SJLIM) (http://www.las.org.sg/wp/resources /). Twenty five

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(25) from Five (5) volumes from 2008 to 2012 have been selected for the study. Research article contributions by issue and year, number of authors, authorship patterns by volume, authorship patterns by country, author's productivity, most prolific contributors, and degrees of author collaboration were recorded. These data were organized, calculated, tabulated, analyzed, and presented by using simple arithmetic and statistical methods.

IV. ANALYSIS

Table 1. Contribution of Research Articles by Year and Volume

Sl	Year	Volume No.	No. of Research Articles	Total	Percentage (%)
1	2008	37	5	5	20.00
2	2009	38	7	7	28.00
3	2010	39	4	4	16.00
4	2011	40	5	5	20.00
5	2012	41	4	4	16.00
Total				25	100

Table 1 and Graph 1 show the growth of research articles published in the Singapore Journal of Library and Information Management from 2008o 2012 was 25. The highest number of research articles (7, 28%) was published in the year 2009 while the lowest number (4, 16%) of research articles in the year 2010 and 2012.

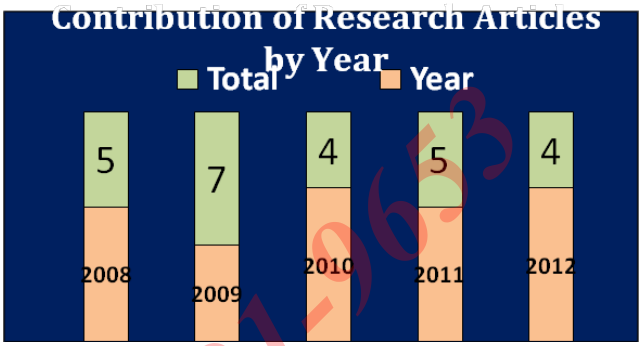


Fig. 1. Contribution of Research Articles by Year

Table 2. Authorship Patterns by Year/Volume

Year	Vol.	Authors per Articles					Total No. of Paper (%)	Total No. of Author (%)
		Single	Two	Three	Four	Five		
2008	37	1	3	1			5	10
2009	38		3	3		1	7	20
2010	39	2	2	1			5	7
2011	40	1	3	1			5	10
2012	41		1		1	1	3	11
Total		4	12	6	1	2	25	58

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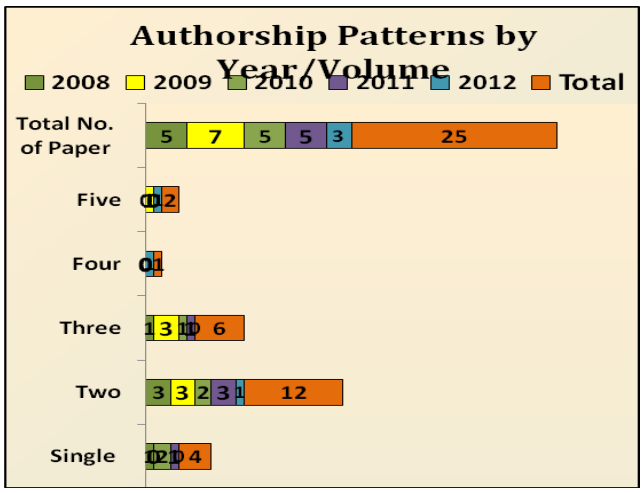


Fig. 2. Authorship Patterns by Year/Volume

It is clear that the number of volumes of research articles has been increased from 2008-2012. It is clear that the of 25 contributions, four contributions by single authors, the volumes 38 has the highest number of authors (38 volumes seven paper, 20 authors) while volume 39 has lowest number of authors. The volumes 41 have lowest number of papers and somewhat high number of authors (11) when compared to 37 and 40 volumes.

Table 3. Authorship Patterns

Sl. No.	Author	Total	Percentage (%)
1	Single Author	4	16.00
2	Two Authors	12	48.00
3	Three Authors	6	24.00
4	Four Authors	1	4.00
5	Five Authors	2	8.00
Total		25	100

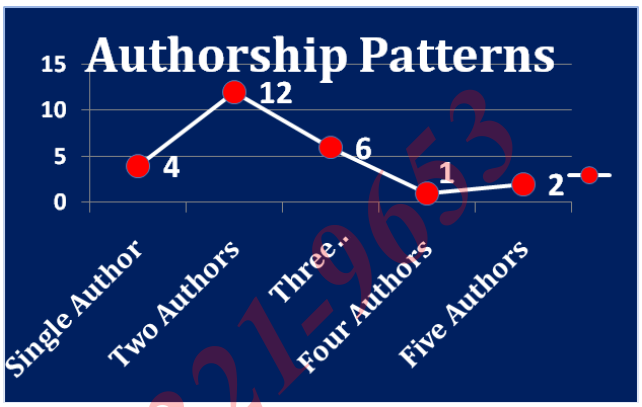


fig 3 .Authorship Patterns

The majority of the research articles were written by two authors (12, 48.00%) followed by three authors (6, 24.00%) single authors (4,16.00%)five authors (2,8.00%) and four authors (1,4.00%) the lowest number of contributions were made by four authors.

Table 5. Most Prolific Authors

Sl. No.	Name	No. of Contributions	Country	Rank
1	Yeo Pin Pin	3	Singapore	1
2	Ngian Leh Choh	2	Singapore	2
3	Chan Ping Wah	2	Singapore	2
4	Single author contributions	46	-	3
Total		58		

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A total of 58 authors have contributed 25 research articles over a period of five years. The author Yeo Pin Pin has contributed more and gets first rank. He was followed by Ngian Leh Choh and Chan Ping Wah shared second rank. The single author contribution was found to be 46.

Table 6. Authorship by Country

Sl. No.	Country	No. of Contributions	Percentage (%)
1	Singapore	45	77.59
2	Malaysia	3	5.17
3	Kuwait	3	5.17
4	India	7	12.07
Total		58	100

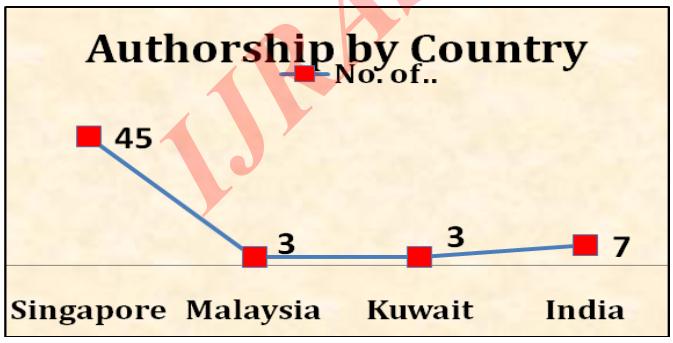


Fig 4 . Authorship by Country

The 25 research articles were contributed by 58 authors from four countries. The highest number of authors 45,77.59%) were from Singapore and lowest number of authors from Malaysia and Kuwait (3,5.17%) where as India has come in the second place (7,12.07%)

Table 7. Single and Multi-Authored Research Articles by Year

Sl. No.	Year	Single Authored		Multi Authored		Total	%
		Articles	%	Articles	%		
1	2008	1	25.00	4	19.05	5	20.00
2	2009	-	-	7	33.33	7	28.00
3	2010	2	50.00	3	14.28	5	20.00
4	2011	1	25.00	4	19.05	5	20.00
5	2012	-	-	3	14.28	3	12.00
Total		4	100	21	100	25	100

In all the year multi authors were dominated over single author. Even there were number of single authors in the year 2008-2012.

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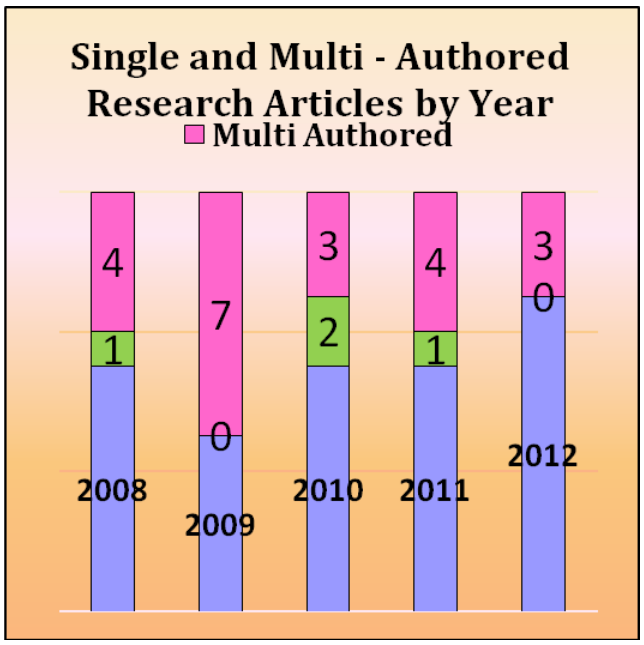


Fig 5 single and multi auhored research paper

Table 8. Degree of Author Collaboration

Sl. No.	Year	Single Authored Paper (Ns)	Multi Authored Papers (Nm)	Total (Nm+Ns)	Degree of Collaboration
1	2008	1	4	5	0.80
2	2009	-	7	7	0.10
3	2010	2	3	5	0.60
4	2011	1	4	5	0.80
5	201	-	3	3	0.10
	2				
Total		4	21	25	0.240

Table 8 shows the degree of author collaboration in the Singapore Journal of Library and Information Management

The formula given by K.Subramanyam is useful for determining the degree of collaboration in quantitative terms. The study followed the same formula which is mathematically put as:

C=NM/NM+NS

Where C= Degree of collaboration

NM = Number of Multi-Author papers

NS = Number of Single Author Paper.

In the Present Study NM = 21, NS = 4

C = 21/21+4 = 21/25

C = 0.84

Thus the degree of collaboration in Singapore Journal of Library and Information Management is 0.84 which clearly indicates its dominance upon multi contribution

V. CONCLUSION

the Singapore Journal of Library and Information Management (SJLIM)has been growing over 5 years from publishing 5 research articles in 2008 to 3 research articles in 2012. The authorship patterns have changed, too, from the single authors in early years to predominant multi-author collaboration in recent years.

From 1996 to early 2008, the Singapore Journal of Library and Information Management published articles mostly from Singapore authors. It started accepting research articles from any countries, thus becoming a real international journal. As of

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today, there are 4 countries contributing research articles to the journal, including 45 (77.59%) authors from the Singapore States, 7 (12.07%) from India, 39 (17.647%) from Malaysia, and 3 (5.17%) from Kuwait.

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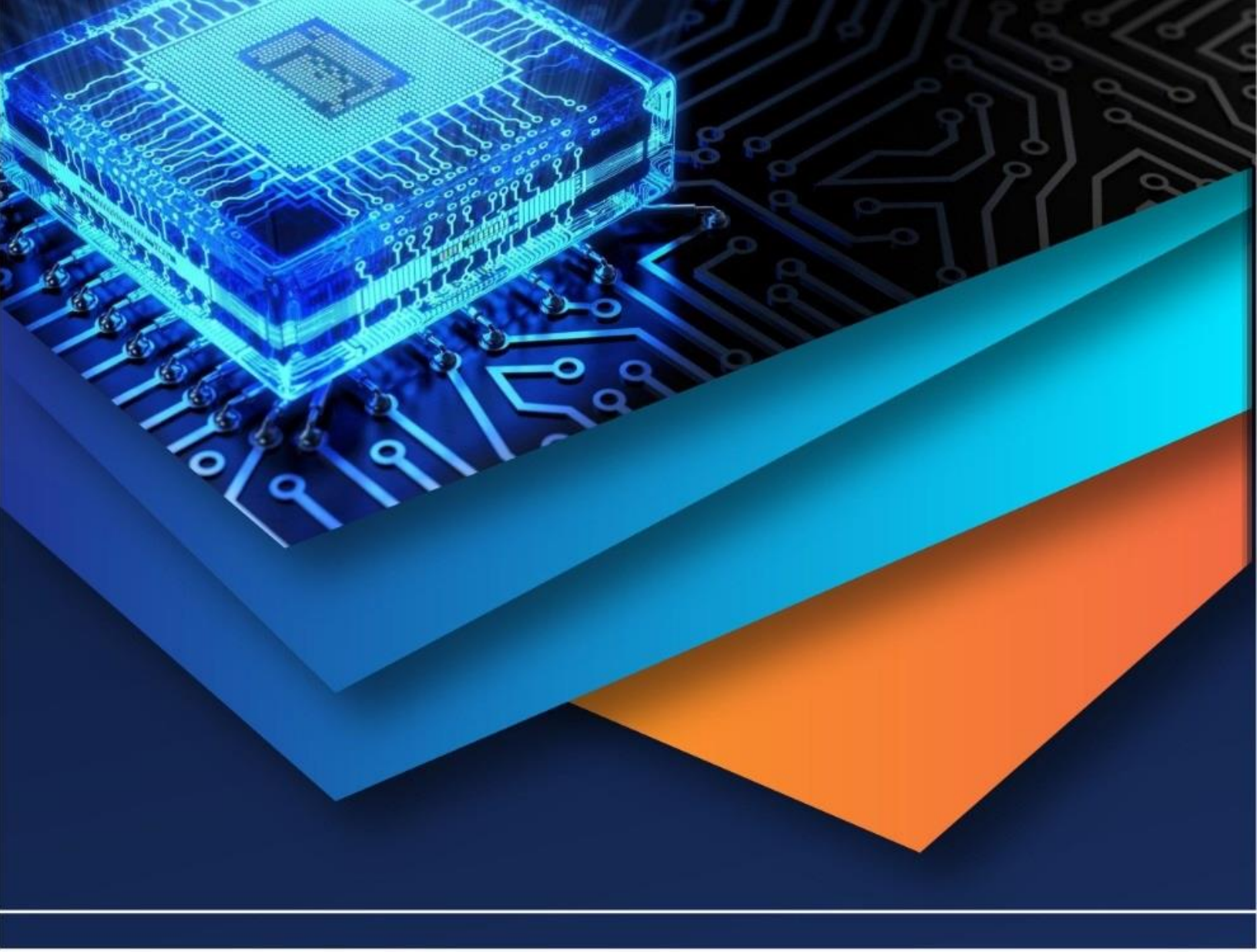
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Vijayanathan.R. received his Master of philosophy Library and Information Science from Annamalai University in 1999 Also he obtained his post-graduate degree in Master of Economics in Bharathidasan University in 1996.He is working as a Sr. Librarian, Department of library and Information Science in Cauvery College of Engineering and technology, Trichy from 2009.

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