

The Journal of Entrepreneurship: A Retrospective Bibliometric Analysis and Future Directions

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Abstract

The Journal of Entrepreneurship (JoE), published bi-annually by Sage Publications (Copyright: Entrepreneurship Development Institute of India) since 1992, has been playing a vital role in dissemination of entrepreneurship related information all over the world. The paper is intended to bring out the results of a bibliometric study carried on all the issues of the JoE till Volume 25. The author examines the JoE year-wise, authorship pattern, country-wise distribution of papers, range of references cited, extent of acknowledgement, and number of appendices detailing supplement information included in the research articles of the JoE.

Keywords: Entrepreneurship; Bibliometric Analysis; The Journal of Entrepreneurship

Bibliometrics is of recent origin and relatively a new concept, which has emerged as a research front in its own right in Information Science. The word 'bibliometric' is derived from Latin and Greek words i.e. biblio and metrics. Different scholars defined the term bibliometric among them few are well cited as: Pritchard (1969) defined Bibliometrics as "the application of mathematical methods to books, journals and other media of communication". The British Standard Institution defines Bibliometrics as "the use of documents and patterns of publication on which mathematical and statistical methods have been applied". Hawkins (1977) interpreted Bibliometrics as "quantitative analysis of the bibliographic feature of a body of literature". Bibliometrics earlier was known as "Statistical Bibliography".

Keeping the relevance it, we realised the need to demonstrate bibliometric exercise with the selected journal because entrepreneurship as a area of research and practice is new and getting establishment from theory building point of views and indeed its one of the most dynamic area of research as well.

Source

The Journal of Entrepreneurship (JoE) is bi-annual journal published in March and September every year by Sage Publications since 1992. Entrepreneurship Development Institute of India (EDII), (www.ediindia.org) Bhat, Gandhinagar, Gujarat, reserves all copyrights. The JoE is also available electronically on Sage Journals Online at <http://joe.sagepub.com>. The International Standard Serial Number (ISSN) for print version is 0971-3557 and for online is 0973-0745

The Journal of Entrepreneurship is designed to disseminate the research outcomes of innovative challenging, and dynamic nature of the field with special reference to emerging economies. The journal focuses on the changing contours of entrepreneurial research and training and acquaints the readers with the latest trends and directions of explorations in the theory and practice of entrepreneurship. The originality evaluation, strong peer review of JoE helps to get high quality research papers with innovative methodologies, conceptual discoveries which leads to the contribution of knowledge and expands the frontiers of our knowledge and insight.

The JoE is indexed in Australian Business Deans Council, DeepDyve, Dutch-KB, EBSCO, EconLit, J-Gate, OCLC, Ohio, Portico, ProQuest: International Bibliography of the Social Sciences (IBSS) and SCOPUS. Along with these the journal is a member of the Committee on Publication Ethics (COPE).

The ranking of the JoE by SCImago Journal Rank (SJR) is 152/332 under Business and International Management area; 193/347 under Strategy and Management and 354/545 under Economics and Econometrics. (<http://joe.sagepub.com/>)

The JoE has an H Index of 5. The H Index is a measure which compares the number of cited papers to the number of citations received by those papers. In this instance, the H Index indicates that JOE has 5 papers published with at least 5 citations each (Sage, 2015).

Scope

The scope of the study extends over all the 50 issues published from 1992 to 2016 (i.e. Volume 1 Number 1 to Volume 25 Number 2). The study covers research articles, book reviews and abstracts. Acknowledgements, appendices and references appended at the end of these articles and the addresses and affiliations contained therein are also studied and analyzed. The determination of the authors' institutional affiliation is based on the addresses and affiliation given in the articles themselves.

Objectives

The study undertakes to

1. Enlist year wise distribution of papers
2. Examine the average length of papers
3. Study the nature of authorship pattern
4. Determine the frequency and mean number of references cited by researchers
5. Examine the national and international scenario of the JoE
6. Determine the extent of acknowledgements being included and
7. Evaluate the year wise distribution of book reviews, abstracts and advertisements.
8. Know the top cited and read articles of the JoE

Methodology

In the study, each individual article is scanned, checked, examined and tabulated for necessary and relevant data, in terms of the authorship pattern, authors address and institutional affiliations, and inclusion of acknowledgement and appendices. Also the references appended by the respective authors at the end of each article were scanned, counted and tabulated and analyzed for making observations. The fact that this Journal is one of the premier and scholarly journal makes it an interesting case to study".

Analysis and Findings

Year wise Distribution of Papers

Table 1 below represents the distribution of 254 articles published in the JoE during 1992-2016. The highest number of papers i.e. 13 (5.12%) were published in 1997 while the lowest number of papers i.e. 6 (2.36%) were published in the inaugural volume of the JoE. In the years 2010 and 2012, 12 (4.72%) papers each were published. The table shows that 11 (4.33%) papers each were published in eleven volumes of the JoE during the years 1993-96, 1998, 2006, 2008, 2011 and 2014 to 2016. Also it can be observed from the following table that nine papers (3.54%) each was published during the years 2001-03 and 2007. In the years 2000, 2004-05, eight papers (3.15%) each was published in the JoE. The Mean value of the articles published per volume is 10.4 i.e. for every volume an average of ten articles was published.

Table 1. Year wise Distribution of Papers

Sl.No.	Year	No. of Papers	Percentage
1	1992	6	2.36
1	1993	11	4.33
2	1994	11	4.33
3	1995	11	4.33
4	1996	11	4.33
1	1997	13	5.12
5	1998	11	4.33
8	1999	10	3.94
9	2000	8	3.15
10	2001	9	3.54
11	2002	9	3.54
12	2003	9	3.54
13	2004	8	3.15
14	2005	8	3.15
15	2006	11	4.33
16	2007	9	3.54
17	2008	11	4.33
18	2009	10	3.94
19	2010	12	4.72
20	2011	11	4.33
21	2012	12	4.72
22	2013	10	3.94
23	2014	11	4.33
24	2015	11	4.33
25	2016	11	4.33
Total		254	100

Year wise Distribution of Length of Articles

Table 2 indicates the length of the articles i.e. number of pages published in the JoE during 1992 to 2016. Out of 254 published papers, 140 papers (55.12%) contains the pages ranging from 11 to 20 followed by 80 papers (31.50%) has 21 to 30 pages. Only one paper contains more than 40 pages (0.39%) in the JoE which was published in the inaugural volume. It can be observed that 19 papers (7.48%) of the JoE are below 10 pages and 14 papers (5.51%) are between 31 and 40 pages. The mean value of the length of articles is 19.12.

Table 2. Year wise Distribution of Length of Articles

Sl.No.	Year	No. of Pages				
		1-10	11-20	21-30	31-40	>40
1	1992	1	0	2	2	1
2	1993	1	7	3	0	0
3	1994	0	8	3	0	0
4	1995	0	9	2	0	0
5	1996	1	6	4	0	0
6	1997	2	10	1	0	0
7	1998	1	8	2	0	0
8	1999	3	5	2	0	0
9	2000	0	7	0	1	0
10	2001	0	6	3	0	0
11	2002	1	5	3	0	0
12	2003	0	4	4	1	0
13	2004	0	4	4	0	0
14	2005	0	7	0	1	0
15	2006	1	7	3	0	0
16	2007	1	4	3	1	0
17	2008	2	7	2	0	0
18	2009	2	3	5	0	0
19	2010	2	7	3	0	0
20	2011	0	4	6	1	0
21	2012	0	4	6	2	0
22	2013	0	4	6	0	0
23	2014	0	3	4	4	0
24	2015	1	6	3	1	0
25	2016	0	5	6	0	0
Total		19	140	80	14	1
Percentage		7.48	55.12	31.50	5.51	0.39

Year-wise Distribution of Authorship Pattern

Table 3 depicts the distribution of authorship pattern in the JoE. The data reveals that the concentration is more on single authored articles in the JoE during 1992-2016. Out of the total 254 articles published 125 articles (49.21%) were single authored articles. The numbers of two authored articles were 96 (37.80%) whereas 33 articles (12.99%) were authored by three or more than three authors.

Table 3. Year-wise Distribution of Authorship Pattern

Sl.No.	Year	No. of Authors		
		1	2	3 or more
1	1992	5	1	0
2	1993	7	3	1
3	1994	7	4	0
4	1995	3	7	1
5	1996	7	4	0
6	1997	6	7	0
7	1998	6	5	0
8	1999	7	3	0
9	2000	4	2	2
10	2001	8	1	0
11	2002	5	3	1
12	2003	5	4	0
13	2004	4	3	1
14	2005	4	3	1
15	2006	4	5	2
16	2007	4	2	3
17	2008	6	4	1
18	2009	3	5	2
19	2010	8	3	1
20	2011	2	7	2
21	2012	7	3	2
22	2013	1	5	4
23	2014	3	6	2
24	2015	3	4	4
25	2016	6	2	3
Total		125	96	33
Percentage		49.21	37.80	12.99

Year wise Distribution of Citation of References

The following table 4 gives the details regarding the references cited by the authors in their articles published in the JoE during the first twenty five years of its publication.

The number of references varying from 1 to 30 comprised highest articles i.e. 127 (50%) of the total articles published so far. In the present study it has been observed that there were 55 articles (21.65%) which contained more than 50 references and 72 articles has between 31 and 50 references. The JoE contains four articles without any references being mentioned. The mean value of the citation of references is 30.93.

Table 4. Year wise Distribution of Citation of References

Sl.No.	Year	No. of References						
		0	1-10	11-20	21-30	31-40	41-50	>50
1	1992	0	0	2	1	2	0	1
2	1993	0	4	2	3	0	1	1
3	1994	0	3	5	0	2	1	0
4	1995	0	2	1	3	3	0	2
5	1996	0	2	3	3	1	1	1
6	1997	0	5	3	3	1	1	0
7	1998	0	1	4	0	2	2	2
8	1999	0	5	1	1	1	0	2
9	2000	0	0	1	3	2	0	2
10	2001	0	0	2	2	2	2	1
11	2002	0	2	3	2	0	2	0
12	2003	0	0	0	2	1	2	4
13	2004	0	0	0	3	1	3	1
14	2005	0	1	1	3	0	1	2
15	2006	0	1	1	4	2	1	2
16	2007	0	1	1	0	3	1	3
17	2008	0	3	3	3	1	1	0
18	2009	0	0	2	4	1	1	2
19	2010	2	1	4	2	1	1	1
20	2011	0	0	0	2	2	2	5
21	2012	0	1	2	0	2	3	4
22	2013	0	0	2	1	1	2	4
23	2014	0	0	0	1	2	2	6
24	2015	1	0	0	2	1	3	4
25	2016	1	0	0	0	3	2	5
Total		4	32	43	48	37	35	55
Percentage		1.57	12.60	16.93	18.90	14.57	13.78	21.65

National and International Scenario

Table 5 gives an alphabetical list of countries from where the authors contributed the papers to the JoE. The affiliation of the first author has been taken for analysis. The table depicts that the maximum number of papers 105 (41.34%) were originated from

India. The international contribution to the JoE is 149 (58.66%) from 33 countries. The United States of America, United Kingdom and Canada top the list with 73 articles (28.74%) in international contribution. The authors from Netherlands, Norway, Spain, Australia, South Africa and Belgium have contributed 7, 7, 6, 5, 5 and 4 papers respectively.

Table 5. List of Contributing Countries

Sl.No.	Country	No. of Articles	Percentage
1	Australia	5	1.97
2	Belgium	4	1.57
3	Canada	14	5.51
4	China	3	1.18
5	Colombia	1	0.39
6	Croatia	3	1.18
7	Egypt	1	0.39
8	Finland	2	0.79
9	France	1	0.39
10	Germany	3	1.18
11	Hong Kong	1	0.39
12	India	105	41.34
13	Iran	1	0.39
14	Ireland	1	0.39
15	Israel	3	1.18
16	Italy	1	0.39
17	Lebanon	1	0.39
18	New Zealand	3	1.18
19	Nigeria	1	0.39
20	Norway	7	2.76
21	Portugal	2	0.79
22	Singapore	2	0.79
23	South Africa	5	1.97
24	Spain	6	2.36
25	Sweden	2	0.79
26	Switzerland	1	0.39
27	Taiwan	3	1.18
28	Tanzania	2	0.79
29	The Netherlands	7	2.76
30	The Philippines	1	0.39
31	Turkey	2	0.79
32	United Kingdom	24	9.45
33	United States of America	35	13.78
34	West Indies	1	0.39
Total		254	100.00

Year wise Distribution of Appendices in Articles

Table 6 reveals the frequency of appendices and annexures included in the articles of the JoE published during its first 25 volumes. Only 22 articles (8.66%) contained appendices, while remaining 232 articles (91.34%) does not contain appendices.

Table 6. Year wise Distribution of Appendices in Articles

Sl.No.	Year	Yes	No
1	1992	1	5
2	1993	2	9
3	1994	2	9
4	1995	2	9
5	1996	1	10
6	1997	1	12
7	1998	2	9
8	1999	1	9
9	2000	1	7
10	2001	2	7
11	2002	0	9
12	2003	1	8
13	2004	1	7
14	2005	1	7
15	2006	1	10
16	2007	0	9
17	2008	1	10
18	2009	0	10
19	2010	0	12
20	2011	1	10
21	2012	0	12
22	2013	0	11
23	2014	1	10
24	2015	0	10
25	2016	0	11
Total		22	232
Percentage		8.66	91.34

Year wise Distribution of Acknowledgements in Articles

Table 7 shows that status of the acknowledgements includes in the articles published in the JoE from 1992 to 2016. Out of a total of 254 articles, 43 articles (16.93%) contained formal acknowledgements, while 211 articles (83.07%) carried no acknowledgements.

Table 7. Year wise Distribution of Acknowledgements in Articles

Sl.No.	Year	Yes	No
1	1992	1	5
2	1993	1	10
3	1994	2	9
4	1995	5	6
5	1996	3	8
6	1997	4	9
7	1998	1	10
8	1999	2	8
9	2000	2	6
10	2001	1	8
11	2002	0	9
12	2003	1	8
13	2004	0	8
14	2005	2	6
15	2006	3	8
16	2007	0	9
17	2008	2	9
18	2009	2	8
19	2010	2	10
20	2011	2	9
21	2012	3	9
22	2013	0	10
23	2014	1	10
24	2015	1	10
25	2016	2	9
Total		43	211
Percentage		16.93	83.07

Year wise Distribution of Book Reviews and Abstracts

The below table indicates that 273 (45.73%) book reviews and 324 (54.27%) abstracts compiled from articles published in other journals were published till 2016. The maximum book reviews and abstracts were published in 1992 i.e. inaugural volume of the JoE. From 2008 onwards it can be observed publishing book reviews were decreasing. Also the data shows that the publishing the abstracts has been stopped from 2005 onwards.

Table 8. Year wise Distribution of Book Reviews and Abstracts

Sl.No.	Year	No. of Book	No. of Abstracts
		Reviews	
1	1992	23	33
2	1993	19	26
3	1994	14	28
4	1995	18	24
5	1996	19	31
6	1997	15	29
7	1998	10	25
8	1999	12	29
9	2000	10	27
10	2001	10	15
11	2002	8	18
12	2003	6	20
13	2004	7	19
14	2005	10	0
15	2006	10	0
16	2007	10	0
17	2008	10	0
18	2009	9	0
19	2010	8	0
20	2011	8	0
21	2012	7	0
22	2013	8	0
23	2014	8	0
24	2015	7	0
25	2016	7	0
Total		273	324
Percentage		45.73	54.27

Year wise Distribution of Advertisements

It has been noted that the JoE encourages the advertisement of professional journals and books in its issues. It can be seen from the table 9 that 193 advertisements which include journals, books and conference announcements were appeared in the JoE from 1992 to 2016. The last 25 issues of the JoE have seen 88 advertisements (45.60%) of journals, 97 advertisements (50.26%) of books and four EDII's conference announcements.

Table 9. Year wise Distribution of Advertisements

Sl.No.	Year	No. of Ads about		
		Journal	Book	Others*
1	1992	0	4	
2	1993	3	2	
3	1994	3	3	
4	1995	1	5	
5	1996	4	5	
6	1997	6	2	
7	1998	4	5	
8	1999	4	2	
9	2000	1	6	
10	2001	0	10	
11	2002	0	11	
12	2003	0	12	
13	2004	1	9	1
14	2005	2	6	
15	2006	5	10	
16	2007	6	3	
17	2008	6	2	1
18	2009	6	0	
19	2010	7	0	1
20	2011	8	0	
21	2012	8	0	1
22	2013	4	0	1
23	2014	6	0	2
24	2015	0	0	
25	2016	3	0	1
Total		88	97	8
Percentage		45.60	50.26	4.15

* EDII's Biennial Conference Advertisements

Most Cited Articles of the Journal of Entrepreneurship

Table 10 has been compiled by visiting the JoE online to find the most cited articles. The online version of the JoE gives the rankings of the top fifty articles of JoE based on citations to online articles from HighWire-hosted articles (<http://joe.sagepub.com/>). The following is the list of 15 top articles cited by various authors in their papers published in other journals.

Table 10. Most Cited Articles of the JoE

Sl.No.	Article Title	Authors of the Article	Issue Details
1	The Bridge to Retirement: Older Workers Engagement in Post-Career Entrepreneurship and Wage-and-Salary Employment	Gerry Kerr and Marjorie Armstrong-Stassen	20(1) March 2011
2	Entrepreneurial Education: Reflexive Approaches to Entrepreneurial Learning in Practice	David Higgins, Kelly Smith, and Mohammed Mirza	22(2) September 2013
3	Entrepreneurial Orientation among the Youth of India: The Impact of Culture, Education and Environment	Nancy M. Levenburg and Thomas V. Schwarz	17(1) March 2008
4	Sub-cultures and Entrepreneurship: The Value of Social Capital in Tanzanian Business	Jan Inge Jenssen and Stein Kristiansen	13(1) March 2004
5	High Technology Entrepreneurs versus Small Business Owners in Israel	Dafna Schwartz and Ayala Malach-Pines	16(1) March 2007
6	Opportunity Recognition in Social Entrepreneurship: A Thematic Meta Analysis	Othmar M. Lehner and Juha Kansikas	21(1) March 2011
7	Self-Efficacy Beliefs, Marketing Orientation and Attitude Orientation of Indian Entrepreneurs	Ravindra Jain and Saiyed Wajid Ali	22(1) March 2013
8	Tanzanian Micro Enterprises and Micro Finance: The Role and Impact for Poor Rural Women	Lucy Ssendi and Alistair R. Anderson	18(1) March 2009
9	The Making of Israeli High-technology Entrepreneurs: An Exploratory Study	Ayala Malach-Pines, Dov Dvir, and Arik Sadeh	13(1) March 2004
10	The Conceptualisation of Growth: Are Employment and Turnover Interchangeable Criteria?	Frank Janssen	18(1) March 2009
11	Towards a Social Ecological Framework for Social Entrepreneurship	Chitvan Trivedi	19(1) March 2010
12	A Social Entrepreneurship Bibliography	Chitvan Trivedi	19(1) March 2010
13	Social Enterprises and Corporate Enterprises: Fundamental Differences and Defining Features	Chitvan Trivedi and Daniel Stokols	20(1) March 2011
14	Impact of Entrepreneurship Education on Entrepreneurial Intentions of University Students in Egypt	Hala W. Hattab	23(1) March 2014
15	Entrepreneurial Role Stress	Udai Pareek	3(1) March 1994

Most Read Articles of the Journal of Entrepreneurship

Table 11 shows the most read articles which are recalculated at the beginning of every month and are based on full-text and pdf views (<http://joe.sagepub.com/>). The following is the list of 15 top articles read by the online subscribers of the JoE.

Table 11. Most Read Articles of the JoE

Sl.No.	Article Title	Authors of the Article	Issue Details
1	Entrepreneurship and Comparative Advantage	Carmen Elena Dorobat and Mihai-Vladimir Topan	24(1) March 2015
2	Relevance of Systems Thinking and Scientific Holism to Social Entrepreneurship	Chitvan Trivedi and Shalini Misra	24(1) March 2015
3	Strategic Orientations and Innovation in Resource-constrained SMEs of an Emerging Economy	Safal Batra, Sunil Sharma, Mukund R. Dixit, and Neharika Vohra	24(1) March 2015
4	Kalpathy Kumaraswamy	Raj K. Shankar	24(1) March 2015
5	Entrepreneurship as a Career Option: Do Temporary Workers Have the Competencies, Intention and Willingness to Become Entrepreneurs?	Silvia Fernandes Costa, António Caetano, and Susana C. Santos	25(2) September 2016
6	Start-up Community Narratives: The Discursive Construction of Entrepreneurial Ecosystems	Philip T. Roundy	25(2) September 2016
7	Measuring Regional Variations of Entrepreneurial Intent in India	Dave Valliere	25(2) September 2016
8	Risk-taking Propensity, Managerial Network Ties and Firm Performance in an Emerging Economy	Albert Danso, Samuel Adomako, John Ofori Damoah, and Moshfique Uddin	25(2) September 2016
9	Four Types of Well-being among Entrepreneurs and Their Relationships with Business Performance	Josette Dijkhuizen, Marc van Veldhoven, and René Schalk	25(2) September 2016
10	The Effect of Mentoring on Successor Nurturing in Family Businesses	Hossein Samei and Alireza Feyzbakhsh	25(2) September 2016
11	Five Minds for the Entrepreneurial Future: Cognitive Skills as the Intellectual Foundation for Next Generation Entrepreneurship Curricula	Thomas N. Duening	19(1) March 2010
12	Impact of Entrepreneurship Education on Entrepreneurial Intentions of University Students in Egypt	Hala W. Hattab	23(1) March 2014
13	Entrepreneurship and Competitive Strategy: An Integrative Approach	Shepherd Dhliwayo	23(1) March 2014
14	Entrepreneurial Education: Reflexive Approaches to Entrepreneurial Learning in Practice	David Higgins, Kelly Smith, and Mohammed Mirza	22(2) September 2013
15	Network Usage, Entrepreneurial Orientation and Their Effectiveness on SMEs Growth	Izaias Martins	25(1) March 2016

Conclusion

The following are observations and conclusions derived from the above study.

- The international exposure of the Journal of Entrepreneurship is more, as 149 articles (58.66 percent) from 33 different countries has been published in twenty five volumes.
- The distribution of articles in the JoE from its inaugural issue to the latest is almost uniform and consistent.
- Almost 99 percent of articles published in the JoE contains references, it shows that the only the research articles are published.
- It is observed that the average length of papers between 11 and 20 (55.12%) which is to be considered as an ideal length of articles.
- Since the entrepreneurship is a fast developing area of research, the journal may consider increasing the number of articles and space devoted in substantive research based articles and progressively phase out the section on book reviews.
- Out of 254 articles, 211 articles (83.07%) does not contain formal acknowledgement. It shows that giving the acknowledgement is not a common practice among the contributors of the JoE. It is also observed that acknowledgements are not given at a consisting place in the article.
- Advertisements inviting research papers on entrepreneurship and related subjects for publication in the JoE should appear in each issue.
- Special issues on related subjects of entrepreneurship, viz. family business, incubation, intrapreneurship, corporate entrepreneurship, sector specific entrepreneurship start-ups, sector etc. may be brought out.
- Books on special themes may be brought-out by selecting articles from the Journal of Entrepreneurship from its first 25 volumes.
- Finally the authors feel that the book reviews and advertisements about other leading journals and books on entrepreneurship and related subjects should be given preference.

Note

The first version of this article by Ganapathi and Madnani (2003) titled 'The Journal of Entrepreneurship: A Bibliometric Study' was published in *ILA Bulletin*, 39(4), October-December, 2003. The second version of this article by Ganapathi and Madnani (2011) titled 'The Journal of Entrepreneurship: A twenty-year bibliometric study' was published in conference proceedings 'Strategies for Managing Libraries in Future' organized by IIM Ahmedabad during December 7-9, 2011.

References

- Andrae, R. (2016). A Bibliometric Analysis of Social Entrepreneurship. *Journal of Business Research*, 69(5), 1651-1655.
- Entrepreneurship Development Institute of India. (1992-2016). *The Journal of Entrepreneurship*. New Delhi: Sage Publications.
- Fang, P., & Fan, J. (1995). A Modification of Lotka's Function for Scientific Productivity. *Information Processing and Management*, 31(1), 133-137.
- Ganapathi, B. (2012). A Bibliography of Articles of the Journal of Entrepreneurship. *Entrepreneurship Educator: Courses, Cases & Teaching eJournal*. Retrieved October 5, 2016, from www.ssrn.com
- Ganapathi, B., & Ashok, M. (2003). The Journal of Entrepreneurship: A Bibliometric Study. *ILA Bulletin*, 39(4), 34-39.
- Ganapathi, B., & Ashok, M. (2011). The Journal of Entrepreneurship: A Twenty-Year Bibliometric Study. *Conference on Strategies for Managing Libraries in the Future* (pp. 386-394). Ahmedabad: IIMA.
- Ganapathi, B., Ashok, C., & Shanti, C. (2015). Scholarly Journals in Entrepreneurship. *University News*, 53(48), 74-83.
- Ganapathi, B., Vivek, B., & Rajiv, J. (2014). *Thematic and Analysis: The Journal of Entrepreneurship Articles*. New Delhi: Bookwell.
- Hawkins, D. (1977). Unconventional Use of Online Information Retrieval Systems: Online Bibliometric Studies. *Journal of American Society for Information Science*, 28(1), 13-18.
- <http://joe.sagepub.com/>. (2016). Retrieved October 16, 2016
- <http://joe.sagepub.com/reports/most-cited>. (2016, October 16). Retrieved from <http://joe.sagepub.com>.
- Jain, P. (2001). *The Handbook for New Entrepreneurs*. New Delhi: Oxford University Press.

- Lotka, A. (1926). The Frequency Distribution of Scientific Productivity. *Journal of the Washington Academy of Science*, 16, 317-23.
- Patra, S., Bhattacharya, P., & Verma, N. (2006). Bibliometric Study of Literature on Bibliometrics. *DESIDOC Bulletin of Information Studies*, 26(1), 27-32.
- Pritchard, A., & Witting, G. (1969). Statistical Bibliography: An Interim Bibliography. *Journal of Documentation*, 24(4), 69.
- Sage. (2015). *The Journal of Entrepreneurship: Publisher's Report June 2015*. New Delhi: Sage.
- Sharma, R., Bharvey, H., & Dixit, P. K. (2016). Indian Research Journal of Extension Education: A Bibliometric Study. *International Journal of Library and information Science*, 5(1), 12-20.
- Thiessen, R. (1992). A Bibliometric Study of Direction. *Direction Journal*, 21(1), 83-93.
- Vij, R., & Beid, D. (1998-99). Defence Science Journal: A Ten-Year Bibliometric Study. *ILA Bulletin*, 36(3-4), 39-44.