



CITATION ANALYSIS OF PH.D THESES IN EDUCATION SUBMITTED TO KURUKSHETRA UNIVERSITY KURUKSHETRA, HARYANA DURING 2011-2018

Sonia Gupta¹ and Dr. Prem Chand Sehgal²

¹Research Scholar, RIMT University, Mandi Gobindgarh (Punjab).

²Chief Librarian, RIMT University, Mandi Gobindgarh (Punjab).



ABSTRACT

The presents study explored the citation analysis of Doctorial Theses submitted to the Kurukshetra University, Kurukshetra in the Department of Education during the period of 2011-2018. Findings of the study revealed that ranked highest as the most Contemporary Indian and Education research subject area, while was the least research Information and Communication Technologies subject area. Books and monographs were cited more than other forms of library materials in the theses analysed. Similarly, out of the 4510 journals cited, 77 were identified as the most frequently cited. Most of the works cited by the researchers falls between 2009 and 2018.

KEYWORDS: Citation, Doctoral Theses, Education, Kurukshetra University.

INTRODUCTION :

Citation analysis is an established research tool of bibliometric study for identifying the significant sources, authorship pattern and other aggregates of scientific activities involving the counting and analysis of citation which forms a part of primary scientific communication (Madkey&Rajyalakshmi, 1994). It is a quantitative analysis of references or citations appended at the end of each scientific/scholarly publication as an essential part of it. It helps in understanding the subject relationships, author effectiveness and publication patterns. The first recorded citation analysis was carried out by Gross and Gross in 1927.They looked at citation patterns to determine the current journals to be subscribed to and back volumes to be acquired for the library of Pomona College (California). They studied the citation frequency in the references given in the Journal of American Chemical Society (Amudhavalli, 1997). Its objectives were twofold: first, to find the characteristics of the literature used by chemists of American origin and secondly, to rank the journals in the order in which they were used.

Citation analysis examines the bibliographic data from articles, monographs, published bibliographies, theses and electronic indexes in order to understand the researchers' specific information needs and explain their trend in the library use. Citations appearing in journals provide an objective measure of the contributors of knowledge systems to the development and progress of a particular discipline (Chandy& William, 1994).According to RavichandraRao (1983), "the main objectives of citation analysis are to evaluate and interpret citations received by articles, authors, institutions and other aggregates of scientific activities. It is also used as a tool for measuring communication links in the sociology of the science".Citation analysis, hence helps to know the links among producers of scientificinformation with information's clients and their inter connection in furtherproduction of scientific information. It plays an important role in the academic and scientific research which is taking place across the world in all disciplines of knowledge.It is increasingly being used to judge and quantify the importance of academic research. It is

also responsible for assigning the Journal Impact Factor (JIF) that ultimately decides the merit of a journal in which the research work is published.

REVIEW OF RELATED LITERATURE

Aliyu (2018) in her study entitled "Citation Analysis of Doctoral Theses in Education, University of Maiduguri, Nigeria". This study presents citation analysis of fifty-two doctoral theses in education accepted by the school of stridulate studies, university of Maiduguri, between 1987 and 2015. Bibliometric techniques were used in the analysis, which involves counting and categorizing works cited in each thesis according to the following: books and monographs, journal articles, theses and dissertations, conference proceedings, unpublished materials, reports, newsletters and online sources. Books and monographs were cited more than other forms of library materials in the theses analysed. Similarly, out of the 80 journals cited, twenty-four were identified as the most frequently cited

Nayak and Patil (2017) in his study entitled "Citation Analysis of Ph.D. Theses in Economics Submitted to University of Gulbarga, Karnataka during 1984-2002". The present study 1190 citations were analyzed from 16 PhD theses in economics department in Gulbarga University, Karnataka. The majority of 6 (37.5%) theses have submitted in the year 2006, 5 (31.3 per cent) theses submitted in 1986-88 and 1989-2002 respectively. Scattered publications issue India ranked first with 76.6 % citations followed by UK (10.9%), USA (8.6%) and Germany (1.3%). Publications from these countries received about 97.4 % of the citations and only 2.6 % citations were from the remaining countries. Economic and Political Weekly occupies the first rank, Indian Journal of Agricultural Economics 13.6% occupies the second rank, monthly.

Kittur and Bankapur (2017) in his study entitled "Citation Analysis of Doctoral Theses Submitted to Department of Agronomy in University of Agricultural Sciences Dharwad: Obsolescence Study". The present study was to find the obsolescence rate of publications in the field Agronomy by using citation analysis of doctoral from the duration 1987 to 2013 were taken for the study. There were total 92 theses yielding 16976 citations. Analysis is also done to find out the Authorship pattern, Chronological distribution, forms of the information resources cited by researchers in their thesis.

Sharma and Rani (2014) in his study entitled 'Citation Analysis of Management Doctoral Dissertations Submitted to the Universities of Haryana, Punjab & Himachal Pradesh' analyzed 28,928 citations from 210 doctoral dissertations in the field of Management submitted at the Universities of Haryana, Punjab & Himachal Pradesh. His study revealed that majority (43.33%) of the cited citations was from journals, followed by books (31.58%) The finding of his study also revealed In Kurukshetra University, Kurukshetra the respective percentage for the single authorship for journal articles were 51.44% while it were 65.54% for books writings. His study revealed the authorship pattern in cited journals and books indicated that out of the total number of 12535 journal citations, 6121 citations were from single author accounting for 48.83%, followed by joint authors citations 4079 (32.54%).

Veerabasavaiah and Padmavathi (2014) carried out on 'Citation analysis of doctoral theses in Education submitted at the Bangalore University, Bangalore, during 2003-2012'. They found that the mostly theses (12, 28.57%) were submitted during 2009, followed by 11 theses (26.19%) in 2010 and 5 theses (11.91%) in 2004. This study revealed that journals were the most preferred sources of information used by the researchers in the field of Education, accounting for 39.43% citations, followed by theses/dissertations (37.93%), reports (9.20%) and websites (5.05%). They revealed that most of the cited journals were published from U.S.A., followed by India and UK. Most cited journal was the 'Journal of the Applied Psychology' (5.20%), followed by 'Indian Education Review' (3.68%), 'Journal of Educational Research' (2.85%) and 'Child Development' (2.81%).

SCOPE OF THE STUDY

The present study is based on 12932 citations appended at the end of 70 Ph.D. theses on education, submitted to Kurukshetra University, Kurukshetra, Haryana. The span of 8 years was taken into consideration that is from 2011 to 2018. The main purpose of the study is to find out the current citation

trends of the doctoral thesis in the education department. For this purpose, each book and journal cited are taken for analysis 4510.

KURUKSHETRA UNIVERSITY, KURUKSHETRA

The Kurukshetra University was established in 1956 as a unitary residential University and its foundation stone was laid by late Dr. Rajendra Prasad, the first President of India. Located in the holy city of Kurukshetra, land of the historical battle of 'Mahabharata' and the great message of Bhagwad Gita, its campus is situated on the western bank of Brahm Sarover (the holy tank) and extends over an area of over 400 acres. Starting with only the Department of Sanskrit, it has grown into a multi-faculty University as one of the premier centres for advanced study and research in the region.

DEPARTMENT OF EDUCATION

The Department of Education was one of the few departments that started with the establishment of the University of Kurukshetra in 1963. The Department of Education pioneered postgraduate education in the University of Kurukshetra. It was the first Department in the country to start 4 year integrated course of B. A. B. Ed. Academic Staff College, Women Studies Research Centre and Adult Education Centre were part of the Department of Education till mid 1990s. At present, the Department is running B.Ed. (Spl. Ed.-V.I.), M.Ed. (Spl. Ed.-V.I.), M.A. (Education), M.Ed. (General), M.Phil. (Education) and Ph.D. (Education) courses. All the courses are approved by respective regulatory bodies. The M.Ed. (General) (two year course) is approved by NCTE; M.Ed. (Spl. Ed.-V. I.) and B.Ed. (Spl. Ed.-V.I.) (two year course each) are approved by Rehabilitation Council of India (RCI), New Delhi; M.A (Education), M. Phil. (Education) and Ph.D. (Education) are courses approved by UGC.

OBJECTIVES OF THE STUDY

The main intention of this paper is to find out the resources used in Ph.D. doctoral theses in to Kurukshetra University, Kurukshetra, from 2011 to 2018 of Education Department.

The objectives of the present study are:

- To study the research areas/ topics covered by researchers in universities of Kurukshetra and find the research trends in the field of education;
- To observe the nature and pattern of authorship of doctoral theses in Education;
- To identify most cited sources both print and digital, apart from Journal;
- To prepare a ranked list of highly used journal and
- To observe the chronological distribution of cited literature.

RESEARCH METHODOLOGY

Seventy selected doctoral theses of education accepted by the school of postgraduate studies, Kurukshetra University, Kurukshetra, between 2011 and 2018 has been analysed in the present study. There are in all 12932 citations appended in 70 theses. The data was collected from the bibliographical entries listed at the end of the theses, which was used by the researchers for completing the theses. The title pages, abstracts and references of each thesis were photocopied and examined thoroughly in terms of name of the researcher, title of thesis, year of award, subject area covered, number of citations, types of works cited and the total of each cited work. The information gathered was collated and analysed using frequency counts and percentage scores, presented in tables.

Data Analysis**Table-1: Year-Wise Distribution of Theses**

Year of submission	No. of Ph.D.theses submitted	%	Rank
2018	3	4.28	8
2017	6	8.57	7
2016	16	22.85	1
2015	08	11.42	5
2014	10	14.28	3
2013	11	15.71	2
2012	9	12.85	4
2011	7	10.00	6
Total	70	100.00	

Table no. 1 revealed the year-wise distribution of theses submitted to the Kurukshetra University, Kurukshetra in education. The highest number of 16 (22.85 per cent) theses have been submitted in the year 2016 followed by 11 (15.71 percent).

Table-2: Distribution of Theses by Subject Area

Subject Area	Frequency	Percentage
Contemporary Indian and Education	20	28.57
Learning and Teaching	16	22.85
Creating and Inclusive Education	14	20.00
Education Administration and Planning	12	17.14
Information and Communication Technologies	8	11.42
Total	70	100.00

Table no 2 shows the distribution of theses by subject area, ranked in the order of their scores from highest to lowest. Contemporary Indian and Education ranked highest with twenty sources, representing 28.57 percent, Learning and Teaching with sixteen scores, representing 22.85 percent, Creating and Inclusive Education followed with fourteen scores, representing 20.00 percent, Education Administration and Planning recorded twelve scores representing 17.14 percent, while Information and Communication Technologies recorded eight scores representing 11.42 percent.

Table- 3: Format of Cited Documents: Kurukshetra University, Kurukshetra

Sr. no.	Form of cited documents	No. of Citations	Cumulative Citations	%	Cumulative Percentage	Rank No.
1	Journals	4510	4510	34.87	34.87	1
2	Books	4010	8520	31.00	65.88	2
3	Dissertation/Thesis	1450	9970	11.21	77.09	3
4	Reviews/ Newspapers	312	10282	2.41	79.50	8
5	Reports	345	10627	2.66	82.17	7
6	Conference Proceedings/ Seminars/ Discussion	355	10982	2.74	84.92	6

	Papers/ Research Papers/ Working Papers etc.					
7	Ref. Books	225	11207	1.73	86.66	9
8	Unpublished	675	11882	5.21	91.88	5
9	Website	1050	12932	8.11	100.00	4
	Total	12932		100.00		

The above table indicate that out of 12932 citations cited in the Ph.D. theses submitted in the Department of Education, Journals comprised the highest citations (4510, 34.87%), followed by books' citations (4010, 31%), theses/dissertations (1450, 11.21%), reviews/Newspapers (312, 2.41%), reports (345, 2.66%), conference proceedings (355, 2.74%), reference books (225, 1.73%), unpublished sources (675, 5.21%) and websites (1050, 8.11%). Some of the sources could not be classified under any of the above categories as it could not be ascertained with surety whether they belonged to journals, books, newspapers, government documents, etc.

Table-4: Authorship Patterns of Cited Journals and Books: Kurukshetra University, Kurukshetra

Authorship Pattern	Journals				Books			
	No of Citations	Cumulative Citations	%	Cumulative %	Citations	Cumulative citations	%	Cumulative %
Single	1910	42.35	1910	42.35	1545	35.52	1545	38.52
Joint	1475	32.70	3385	75.05	1124	28.02	2669	66.55
Three	731	16.20	4116	91.26	911	22.71	3580	89.27
More than Three	394	8.73	4510	100.00	430	10.72	4010	100.00
Total	4510	100.00			4010	100.00	100.00	--

Table no 4 deals with the authorship patterns of cited journals and books in Kurukshetra University, Kurukshetra. A total of 4010 citations to journals and books were analyzed to ascertain the authorship pattern in the Ph.D. theses submitted in the Department of Education, Kurukshetra University, Kurukshetra during the study period. Table 3 depicts the authorship pattern of the cited journals and books. It is clear from the above table that citations to single authorship was higher in journals (1910, 42.35%) as well as in books (1545, 35.52%). Joint authors accounted for 1475 citations (32.70%) to journals and 1124 citations (28.02%) to books, followed by three authors with 731 citations (16.20%) to journals and 911 citations (22.71%) to books. Citations to more than three authors were the least in journals (394, 8.73%) and books (430, 10.72%).

Table-5: Ranking list of Journals: Kurukshetra University, Kurukshetra

Sr. No.	Title	Citations	Cumulative citations	%	Cumulative %	Rank
1	Dissertation abstract International	210	4.65	210	4.65	1
2	Journal of Education Psychology	167	3.70	377	8.35	2
3	Indian Journal of Psychometry Education	125	2.77	502	11.13	
4	Edutracks	112	2.48	614	13.61	3
5	Journal of Education Research and extension	92	2.03	706	15.65	
6	Journal of education Research	87	1.92	793	17.58	4
7	Indian Education Review	76	1.68	869	19.26	5
8	Indian Education Abstract	66	1.46	935	20.73	6
9	Journal of Environmental Education	65	1.44	1000	22.73	7
10	Education Psychology	51	1.13	1051	23.30	8
11	Journal of Applied Research	50	1.10	1101	24.41	9
12	Journal of Learning Disability	50	1.10	1151	25.52	9
13	Journal of Education	47	1.04	1198	26.56	10
14	Journal of Psychology Research	47	1.04	1245	27.60	10
15	Learning Disability Quarterly	45	0.99	1290	28.60	11
16	Review of Education Research	38	0.84	1328	29.44	12
17	Educational Leadership	38	0.84	1366	30.28	12
18	Journal of Creative Behavior	35	0.77	1401	31.06	13
19	Exceptional Children in School	35	0.77	1436	31.84	13
20	Computer and Education	35	0.77	1471	32.61	13
21	Computer in Human Behavior	35	0.77	1506	33.39	13
22	British journal of education Technology	32	0.70	1538	34.10	14
23	Journal of Indian Education	32	0.70	1570	34.81	14
24	Journal of Technology and Teacher Education	32	0.70	1602	35.52	14
25	University News	32	0.70	1634	36.23	14
26	Educational Psychology Review	31	0.68	1665	36.91	15
27	Journal of Applied Psychology	30	0.66	1695	37.58	16
28	Journal of Education	30	0.66	1725	38.24	16

	Technology					
29	Journal of Experimental Education	28	0.62	1753	38.86	17
30	Journal of Computer assigned Learning	27	0.59	1780	39.46	18
31	Journal of School and Psychology	25	0.55	1805	40.02	19
32	Journal of Genetic Psychology	25	0.55	1830	40.57	19
33	International Dissertation Abstract	25	0.55	1855	41.13	19
34	Journal of Higher Education	22	0.48	1877	41.61	20
35	Journal of Teaching, writing and communication	22	0.48	1899	42.10	20
36	Child Development	22	0.48	1921	42.59	20
37	American Journal of Education	22	0.48	1943	43.08	20
38	Journal of Research in Education	21	0.46	1964	43.54	21
39	American Annals of the Deaf	21	0.46	1985	44.01	21
40	Journal of Special Education	21	0.46	2006	44.47	21
41	Journal of Environmental Science Education	20	0.44	2026	44.92	22
42	Journal of Indian academy applied Research	20	0.44	2046	45.36	22
43	Journal of Research in computer in Education	20	0.44	2066	45.80	22
44	Indian Journal of Applied Psychology	20	0.44	2086	46.25	22
45	Education Technology and Society	20	0.44	2106	46.49	22
46	Journal of Teacher Education	19	0.42	2125	47.11	23
47	British Journal of education Psychology	19	0.42	2144	47.59	23
48	Journal of Humanities and Social Studies	18	0.39	2162	47.93	24
49	Education Research	18	0.39	2180	48.33	24
50	Gifted Child Quarterly	18	0.39	2198	48.73	24
51	Indian Journal of Social Science Research	18	0.39	2216	49.13	24
52	Personalities and Individual differences	17	0.37	2233	49.51	25
53	Asia & Pacific Journal on Disability	17	0.37	2250	49.88	25
54	Behavior Scientist	17	0.37	2267	50.26	25
55	Indian Journal of Clinical	17	0.37	2284	50.64	25

	Psychology					
56	The Education Review	17	0.37	2301	51.01	25
57	The Journal of Experimental Education	17	0.37	2318	51.39	25
58	Journal of Social Service Research	17	0.37	2335	59.77	25
59	The Turkish Online Journal of Education Technology	17	0.37	2352	52.15	25
60	The Science Teacher	17	0.37	2369	52.52	25
61	Psychology Review	17	0.37	2386	52.90	25
62	Psychology Bulletin	17	0.37	2403	53.28	25
63	International Journal of Behavior Development	17	0.37	2420	53.65	25
64	International Journal of Special Education	16	0.35	2436	54.01	26
65	Journal of Vision impairment and Blindness	16	0.35	2452	54.36	26
66	Journal of Education Abstract	16	0.35	2468	54.72	26
67	Journal of Clinical Child Psychology	16	0.35	2484	55.07	26
68	Journal of Management studies	16	0.35	2500	55.43	26
69	Journal of Education Psychology	16	0.35	2516	55.78	26
70	Computer and Education	15	0.33	2531	56.11	27
71	Asian Journal of and Psychology Education	15	0.33	2546	56.45	27
72	European Journal of Special Needs	15	0.33	2561	56.78	27
73	Education Research and Review	15	0.33	2576	57.11	27
74	Indian Psychology Review	15	0.33	2591	57.45	27
75	Remedial and Special Education	15	0.33	2606	57.78	27
76	Indian Education Review	15	0.33	2621		27
77	International Journal of Education Journal of Psychology Technology	15	0.33	2636	58.11	27
78	Journal of Research in Personality	14	0.31	2650	58.75	28
79	Journal of Research and Development in Education	14	0.31	2664	59.06	28
80	Journal of Education and	14	0.31	2678	59.37	28

	Practice					
81	Journal of Mathematics Education	13	0.28	2691	59.66	29
82	The Spanish Journal of Psychology	13	0.28	2704	59.95	29
83	The Journal of Education Research	13	0.28	2717	60.24	29
84	Journal of Instructional Psychology	13	0.28	2730	60.53	29
85	Psychology Studies	13	0.28	2743	60.82	29
86	Journal of Nutrition	12	0.26	2755	61.08	30
87	Psychology Report	12	0.26	2567	61.035	30
88	Annual Review in Psychology	12	0.26	2779	61.61	30
89	Contemporary Education Physics	12	0.26	2791	61.88	30
90	Creative Research Journal	12	0.26	2803	62.15	30
91	Research Review	12	0.26	2815	62.41	30
92	Journal of Abnormal and social Psychology	12	0.26	2827	62.68	30
93	Journal of Communication Guidance Research	12	0.26	2839	62.94	30
94	Asia-Pacific Journal of Gifted and Talented Education	12	0.26	2851	63.21	30
95	NIS Scientist	12	0.26	2863	63.48	30
96	Psychology Abstract	12	0.26	2875	63.74	30
97	Indian Journal of Disability and Rehabilitation	11	0.24	2886	63.99	31
98	Reading Psychology	11	0.24	2897	64.23	31
99	Recent Research in Education and Psychology	11	0.24	2908	64.47	31
100	Psychology Lingua	11	0.24	2919	64.72	31
101	Journal of Psychology Behavior Assessment	11	0.24	2930	64.96	31
102	Journal of Instructional Psychology	11	0.24	2941	65.21	31
103	Journal of Education	11	0.24	2952	65.45	31
104	Journal of Education Studies	11	0.24	2963	65.69	31

105	Journal of Counselling Development	11	0.24	2974	65.94	31
106	Learning Disability Research and Practice	11	0.24	2985	66.18	31
107	MERI Journal of Education	11	0.24	2996	66.43	31
108	Vision Research Journal of Education	11	0.24	3007	66.67	31
109	International Journal of Science Education	11	0.24	3018	66.91	31
110	International Journal of Learning and Development	11	0.24	3029	67.16	31
111	Vision Research Journal of Education	11	0.24	3040	67.40	31
112	Australian Journal of Advanced Learning	10	0.22	3050	67.62	32
113	Computer in the School	10	0.22	3060	67.84	32
114	Development Psychology	10	0.22	3070	67.07	32
115	Disability and Impairments	10	0.22	3080	68.29	32
116	European Journal of Social Science	10	0.22	3090	68.51	32
117	Early Childhood Education Journal	10	0.22	3100	68.73	32
118	Canadian Journal of Counselling	10	0.22	3110	68.95	32
119	SNIPES Journal	10	0.22	3120	69.17	32
120	Education Research and Review	10	0.22	3130	69.20	32
121	Electronic Journal of Research in Education Psychology	10	0.22	3140	69.62	32
122	Education Technology	10	0.22	3150	69.84	32
123	Early Childhood Special Education	10	0.22	3160	70.06	32
124	Education Psychology in Practice	10	0.22	3170	70.22	32
125	Education Research in Education	10	0.22	3180	70.50	32
126	Human Resources Management Review	10	0.22	3190	70.73	32
127	Journal of Deaf student and Deaf studies	10	0.22	3200	70.95	32

128	Journal of Teaching Learning and Practice	10	0.22	3210	71.17	32
129	Journal of Education Multimedia and Hyper Media	10	0.22	3220	71.39	32
130	Learning and Individual Differences	10	0.22	3230	71.61	32
131	Personality and Individual Differences	10	0.22	3240	71.84	32
132	Art And design	9	0.19	3249	72.03	33
134	American Psychology	9	0.19	3258	72.23	33
135	Academic Machine	9	0.19	3267	72.43	33
136	American Journal of Psychology	9	0.19	3276	72.63	33
137	American Education Research Journal	9	0.19	3285	72.83	33
138	Education and Psychology Measurement	9	0.19	3294	73.03	33
139	World Applied Science Journal	8	0.17	3302	73.21	34
140	Education Technology	8	0.17	3310	73.39	34
141	African Journal of Business Management	8	0.17	3318	73.56	34
142	Applied Cognitive Psychology	8	0.17	3326	73.74	34
143	Asian Journal of Management	8	0.17	3334	73.92	34
144	American Journal of Scientific Research	8	0.17	3342	74.10	34
145	Australian Journal of Education Technology	8	0.17	3350	74.27	34
146	Archives of Pediatrics and Indolence Medicine	8	0.17	3358	74.45	34
147	European Journal of Education Research	8	0.17	3366	74.63	34
148	International Journal of Science	8	0.17	3374	74.81	34
149	Indian Journal of Clinical Psychology	8	0.17	3382	74.98	34
150	Journal of Research	8	0.17	3390	75.16	34
151	Journal of Business Research	8	0.17	3398	75.34	34
152	Journal of Vocational Behavior	8	0.17	3406	75.47	34
153	International Journal of Psychology Behavior	8	0.17	3414	75.69	34
154	Reading and Writing Quarterly	8	0.17	3422	75.87	34
155	International Journal of Multidisciplinary Management	8	0.15	3430	76.05	34

156	Journal of Counselling and Development	8	0.15	3438	76.23	34
157	Asia Pacific Education Review	8	0.15	3446	76.40	34
158	International Journal of Science Education	8	0.15	3454	76.58	34
159	Education Research International	7	0.15	3461	76.74	35
160	Harvard Business Review	7	0.15	3468	76.89	35
161	Journal of College Student Development	7	0.15	3475	77.05	35
162	International Journal of Disability and Rehabilitation	7	0.15	3482	77.20	35
163	Journal of Humanities and Social Science	7	0.15	3489	77.36	35
164	Education Research Quarterly	7	0.15	3496	77.51	35
165	Journal of Industries Psychology	7	0.15	3503	77.67	35
166	Journal of Turkish Science Education	7	0.15	3510	77.82	35
167	Journal of Nursing care Quality	7	0.15	3517	77.98	35
168	Journal of Exceptional Child	7	0.15	3524	78.13	35
169	IOSR Journal of Humanities and Social Science	7	0.15	3531	78.29	35
170	Journal of Counselling and Development	7	0.15	3538	78.44	35
171						
172	Journal of Alcohol and Drug Education	7	0.15	3545	78.60	35
173	Journal of Education Practice	7	0.15	3552	78.75	35
174	Journal of Behavior Education	7	0.15	3559	78.91	35
175	Journal of Education Computing Research	7	0.15	3566	79.06	35
176	Journal of Education & Teaching	7	0.15	3573	79.22	35
177	Journal of Nursing Education and Practice	7	0.15	3580	79.37	35
178	Journal of School and Psychology	7	0.15	3587	79.53	35
179	Research Quarterly	6	0.13	3593	79.66	36
180	Canadian Journal of Learning and Technology	6	0.13	3599	79.80	36
181	Canadian Journal of Education	6	0.13	3605	79.93	36
182	Education Research Review	6	0.13	3611	80.06	36

183	ABHIGYAN	6	0.13	3617	80.19	36
184	Australian Journal of Teacher Education	6	0.13	3623	80.33	36
185	American Journal of Mental Deficiency	6	0.13	3629	80.46	36
186	Archives of sexual Behavior	6	0.13	3635	80.59	36
187	Biology Psychology	6	0.13	3641	80.73	36
188	British Journal of Sociology of Education	6	0.13	3647	80.86	36
189	English Language Teaching	6	0.13	3653	80.99	36
190	Elementary School Journal	6	0.13	3659	81.13	36
191	Cyber Psychology and Behavior	6	0.13	3665	81.26	36
192	European Journal of Psychology	6	0.13	3671	81.39	36
193	Experiment in Education	6	0.13	3677	81.52	36
194	Childhood Education	6	0.13	3683	81.66	36
195	Journal of Applied psychology	6	0.13	3689	81.79	36
196	Journal of Education Technology	6	0.13	3695	81.92	36
197	Journal of Dental Hygiene	6	0.13	3701	82.06	36
198	Journal of In-service Education	6	0.13	3707	82.19	36
199	Journal of Career Assessment	6	0.13	3713	82.32	36
200	Journal of Abnormal Socio-Psychology	6	0.13	3719	82.46	36
201	Journal of Happiness study	6	0.13	3725	82.59	36
203	Gifted Child Today	6	0.13	3731	82.72	36
204	Journal of College Student Development	6	0.13	3737	82.86	36
205	Journal of School Science	6	0.13	3743	82.99	36
206	Disability Brain and Learning	5	0.11	3748	83.10	37
207	Education Leadership	5	0.11	3753	83.21	37
208	Economic and Political Weekly	5	0.11	3758	83.32	37
209	Journal of Teaching and Practice in Education	5	0.11	3763	83.43	37
210	Harvard Education Journal	5	0.11	3768	83.54	37
211	International Review of Mathematics of Education	5	0.11	3773	83.65	37
212	Innovation in Higher Education	5	0.11	3778	83.76	37
213	International Journal of Education Management	5	0.11	3783	83.88	37
214	Indian Stream Research	5	0.11	3788	83.99	37

	Journal					
215	Journal of Presidia Social and Behavior Science	5	0.11	3793	84.10	37
216	Indian Journal of Teacher Education	5	0.11	3798	84.21	37
217	International Reference Research Journal	5	0.11	3803	84.32	37
218	International Journal of Scholarship of Teaching and Learning	5	0.11	3808	84.43	37
219	Indian Journal of Social Work	5	0.11	3813	84.54	37
220	Indian Stream Research Journal	5	0.11	3818	84.65	37
221	Journal of Education of the Gifted Children	5	0.11	3823	84.76	37
222	Journal of Dental Education	5	0.11	3828	84.87	37
223	Journal of Industry Psychology	5	0.11	3833	84.98	37
224	Journal of Social Psychology	5	0.11	3838	85.09	37
225	Journal of disability Policy studies	5	0.11	3843	85.21	37
226	Journal of Value Education	5	0.11	3848	85.32	37
227	Journal of Intellectual and develop studies	5	0.11	3853	85.43	37
228	Journal of Mental Psychology	5	0.11	3858	85.54	37
229	Journal of Education Measurement	5	0.11	3863	85.65	37
230	Journal of Social Issues	5	0.11	3868	85.76	37
231	Journal of Management	5	0.11	3873	85.87	37
232	Journal of Computing Research	5	0.11	3878	85.96	37
233	Journal of All India Association for Education Research	5	0.11	3883	86.09	37
234	Journal of Counselling and Development	5	0.11	3888	86.21	37
235	Journal of Science Teacher	5	0.11	3893	86.32	37
236	Medical Education	5	0.11	3898	86.43	37
237	Mental Retardation	5	0.11	3903	86.54	37
238	Neuropsychologic	5	0.11	3908	86.65	37
239	Psychology in the School	5	0.11	3913	86.76	37
240	Psychology Studies	5	0.11	3918	86.87	37
241	Reading Research Quarterly	5	0.11	3923	86.96	37
242	Journal in Education and Psychology	5	0.11	3928	87.09	37

243	Social Science Quarterly	5	0.11	3933	87.21	37
244	Studies in Higher Education	5	0.11	3938	87.32	37
245	The Leadership Quarterly	5	0.11	3943	87.43	37
246	The Curriculum Journal	5	0.11	3948	87.54	37
247	Other (562) Journals	562	12.46	4510	100.00	---
248	Total	4510	100.00			

The above table shows that 'Dissertation abstract International' was the most highly cited journal (210, 4.65%), followed by 'Journal of Education Psychology' (167, 3.70%), 'Indian Journal of Psychometry Education' (125, 2.77%), 'Edutracks' (112, 2.48%), 'Journal of Education Research and extension' (92, 2.03%), 'Journal of education Research' (87, 1.92%), 'Indian Education Review' (76, 1.68%), 'Indian Education Abstract' (66, 1.46%), 'Journal of Environmental Education' (65, 1.44%), 'Education Psychology' (51, 1.13%), etc. journals were cited in the Department of Kurukshetra University, Kurukshetra respectively.

Table- 6:Chronological Distribution of Book and Journal Citations: Kurukshetra University, Kurukshetra

Sr. no.	Period	Journals				Books			
		No. of Citations	% of Citations	Cumulative Citation	Cumulative %	No. of Citations	% of Citations	Cumulative Citation	Cumulative %
1	1918 and before Now	137	3.03	137	3.03	102	2.54	102	2.54
2	1919-1928	55	1.21	192	4.25	109	2.71	211	5.26
3	1929-1938	112	2.48	6.74	6.74	89	1.97	300	7.48
4	1939-1948	165	3.65	10.39	10.39	101	2.51	401	10.00
5	1949-1958	155	3.43	13.83	13.83	142	3.54	543	13.54
6	1959-1968	323	7.16	22.99	22.99	272	6.78	815	20.32
7	1969-1978	220	4.87	25.87	25.87	110	2.74	925	23.06
8	1979-1988	476	10.55	36.43	36.43	373	9.30	1298	32.36
9	1989-1998	665	14.74	51.17	51.17	640	15.96	1938	48.32
10	1999-2008	977	21.66	72.83	72.83	1122	27.98	3060	76.30
11	2009-2018	1225	27.16	100.00	100.00	950	23.69	4010	100.00
	Total	4510	100.00			4010	100.00		

Table no 6 clearly indicates that the highest number of journal citations belong to publications published during 2009-2018 (1225, 27.16%), and 1999-2008 citations (1122, 27.98%) to books were published followed by during 1989-1998, 665 citations (14.74%) to journals published and 640 (15.96%) books were published. It was noted that during 1919-1928 only 55(1.21%) journals and during 1929-1938 only 89(1.97%) books were published in the Kurukshetra University, Kurukshetra respectively.

CONCLUSION

Citation analysis is one of the important and assessable methods to solving the transcendent restricted requirements and assures those core collections on behalf of specific disciplines are in the journal bunches of academic libraries. The present paper doctoral thesis in the education department of Kurukshetra University, Kurukshetra tells that researchers mainly depend on journal sources for their use of academic and research activities.

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Sonia Gupta
Research Scholar, RIMT University, Mandi Gobindgarh (Punjab).