

An Analysis of UGC Approved Library and Information Science Journals

Dr. B.Jeyapragash

Assistant Professor

Dept. of Library and Information Science

Bharathidasan University

Tiruchirappalli, India

bjeyapragash@gmail.com

A. Muthuraj

Ph.D Research Scholar

Dept. of Library and Information Science

Bharathidasan University

Tiruchirappalli, India

muthurajmphildu@yahoo.com

T.Rajkumar

Ph.D Research Scholar

Dept. of Library and Information Science

Bharathidasan University

Tiruchirappalli, India

trajkumarkvp@gmail.com

Abstract

The study analyzed 384 Library and Information Science Journals which is indexed in various online databases. Further it also analyzed and found the Impact Factor, Cite Score and Journal Current Index. Based on the study the journal of 'Information Communication & Society' indexed in Web of Science database has highest Impact Factor (2.109) then other journals indexed in Scopus and Indian Citation Index. It is recommended that more number of LIS journals to be included in Scopus and Indian Citation Index (ICI) for wide publishing Avenue. University Grants Commission has approved journals in all the disciplines to maintain and improve the quality of publications.

Keywords: *UGC Referred Journals, LIS Journals, Impact Factor, Cite Score and JCI*

1. Introduction

University Grants Commission (UGC) is established in November 1956 as a statutory body of the Government of India to maintain the standards of higher education in India. In order to achieve the same and also to improve the quality of publications by faculty members and research scholars UGC has approved 47033 journals in all disciplines. UGC has also introduced the Academic Performance Indicator (API) Scores for recruitment of faculty members by direct and promotion under CAS in universities and colleges. The journal publication also has the API credits for the faculty members to get their appointment and promotions. This study aimed to find out the Library and Information Science journals indexed by different databases and also to identify the quality of LIS journals by impact factor, cite core, journal current index.

2. Review of Literature

Garfield (2003)¹ addressed some of the most frequently asked questions about the impact factor and its application, impact factor's origin and methods of calculation and also discussed the effects of the impact factor on journal and article quality; ISI journal selection criteria; acceptance difficulties; comparison of journals across disciplines, and language of publication and quality of individual articles. Vishala and Bhand (2006)² provides an insight to the UGC-INFONET project and aims to create awareness to the library and information professionals, research scholars, and faculty and post graduate students of library and information science regarding the availability of the scholarly journals in the field of library and information sciences. Eugene (2006)³ mentioned the idea of an impact factor in Science with support from the National Institutes of Health, the experimental Genetics Citation, publication of the Science Citation Index and journal impact factor developments and its use to help select additional source journals. To do this researcher simply re-sorted the author citation index into the journal citation index. From this simple exercise, researcher learned that initially a core group of large and highly cited journals needed to be covered in the new Science Citation Index (SCI). It also addressed the development of SCI and Impact Factor. Tibor, Wolfgang and Andras (2006)⁴ suggested that a h-type index – equal to h if you have published h papers, each of which has at least h citations – would be a useful supplement to journal impact factors. Recently, Hirsch² proposed what he called the “h-index” (a scientist has index h if h of his/her N papers have at least h citations each, and the other (N–h) papers have fewer than h citations each) to quantify an individual's scientific output. Colledge, et al (2010)⁵ introduced two journal metrics recently endorsed by Elsevier's Scopus: SCImago Journal Rank (SJR) and Source Normalized Impact per Paper (SNIP). SJR weights citations according to the status of the citing journal and aims to measure journal prestige rather than popularity. Researcher also underlined important points to keep in mind when using journal metrics and also discussed the potentialities in regard to specific interests of a user and theoretical beliefs about the nature of the concept of journal performance. Jamali, Salehi-Marzijarani, & Ayatollahi (2014)⁶ introduced top journals of obstetrics and gynecology field based on their Impact Factor (IF), Eigenfactor Score (ES) and SCImago Journal Rank (SJR) indicator indexed in Scopus databases and then the scientometric features of longitudinal changes of SJR in this field were presented. Time, Index in Pubmed, H_index, Citable per Document, Cites per Document, and IF affected changes of SJR in the period of study. study showed a significant association between SJR and scientometric features in obstetrics and gynecology journals and found SJR may be an appropriate index for assessing journal quality. Sood, Pareek, and Satiskumar (2015)⁷ explained the UGC INFONET Digital Library Consortium and analysed e-journals available under UGC INFONET DLC project based on subject headings, languages, country their accessibility of archives of online journals in Library & Information Science.

3. Research Methodology

The data pertaining to journals were extracted from the UGC website (<https://www.ugc.ac.in/journallist/>)⁸. The word “Library” has been employed to retrieve the data during June 2017. A total of 384 journals on Library and Information Science have been approved by the UGC. The journals which are indexed in various databases were grouped such

as Web of Science, Scopus, Indian Citation Index, Journals recommended by UGC, Journal recommended by Universities and Mixed (Other than the above). The impact factor, Cite Score and Journal Current Index was calculated based on the JCR list 2015(www.iau-ahar.ac.ir/ahar/images/pdf/JCR_2015.xls)⁹, Scopus Journal Metrics 2015(<http://www.scimagojr.com/journalrank.php>)¹⁰ and Indian Citation Index 2015 (<http://indiancitationindex.com/JAnalyzer.aspx>)¹¹.

4. Objectives of the Study

1. To analyze the UGC approved Journals on Library and Information Science that are indexed in various online databases.
2. To find out the impact factor of the journals.
3. To investigate the Research Impact Indicator (RII) of journals.

5. Data Analysis and Interpretation

5.1. Source wise Library and Information Science Journals

Table 1 shows that list of library and information science journals approved by UGC and indexed in various sources such as Web of Science, Scopus and Indian Citation Index, Journals recommended by UGC and University.

Table 1

Source wise Library and Information Science Journals

S. No.	Name of the Source	No. of Journals	%	Rank
1	Web of Science	20	5.19	5
2	Scopus	180	46.75	1
3	Indian Citation Index	14	3.63	6
4	Journals recommended by UGC	67	17.40	2
5	Journal recommended by Universities	54	14.02	3
6	Mixed (Other than the above)	49	12.98	4
	Total	384		

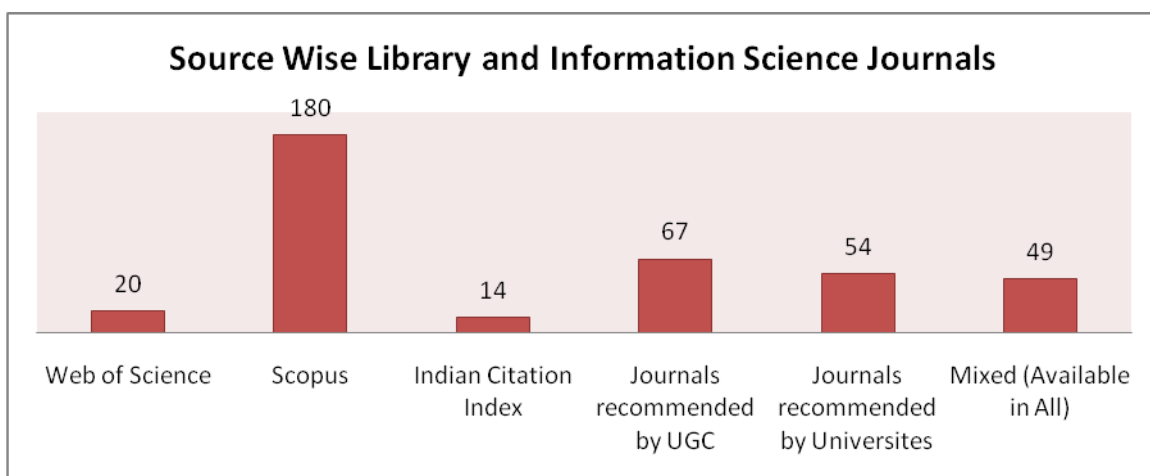


Figure.1

Table 1 and Figure 1 indicates that source wise Library and Information Science journals. It is found that the 'Scopus' Database has indexed highest number of 180 (46.75%) LIS journals which is approved by UGC and placed in first position and it is followed by 'Journals Recommended by UGC' has 67 (17.40%) journals and placed in second position. It is further found that the 'Indian Citation Index' has 14 (3.63%) LIS journals and placed in sixth position.

5.2. LIS journals indexed in Web of Science with Impact Factor

Table 2 shows that LIS journals indexed in Web of Science with impact factor and journals ranked based on Impact Factor.

Table 2

LIS journals indexed in Web of Science with Impact Factor

S. No.	Journal No.	Name of the Journal	Impact Factor	5 Year Impact Factor	Rank
1	203	Accountability in Research-Policies and Quality Assurance	0.872	0.892	9
2	1557	Australian Academic & Research Libraries	0.559	0.674	11
3	2327	Interlending & Document Supply	0.444	0.470	15
4	4623	Library & Information Science Research	1.230	1.981	4
5	4630	Library Collections Acquisitions & Technical Services	0.136	0.281	19
6	4644	Library Resources & Technical Services	0.233	0.418	17

7	4848	Canadian Journal of Information and Library Science	0.094	0.173	20
8	5766	Malaysian Journal of Library & Information Science	0.476	0.518	13
9	6599	Knowledge Management Research & Practice	0.595	0.994	10
10	10126	Reference & User Services Quarterly	0.348	0.620	16
11	11200	Journal of the Medical Library Association	1.084	1.087	6
12	16127	College & Research Libraries	1.568	1.617	2
13	21107	Information Communication & Society	2.109	2.550	1
14	21117	Information Processing & Management	1.397	1.468	3
15	21124	Information Research-An International Electronic Journal	0.482	0.694	12
16	21127	Information Retrieval Journal	0.896	1.226	8
17	21144	Information Technology & People	1.150	1.409	5
18	25265	Zeitschrift Fur Bibliothekswesen	0.207	0.116	18
19	31840	Program-Electronic Library and Information Systems	1.000	0.750	7
20	36219	Social Science Information Sur Les Sciences Sociales	0.473	0.487	14

Table 2 shows that ‘Information Communication & Society journal’ has highest (2.109) impact factor and placed first rank and it is followed by ‘College & Research Libraries’ journal with 1.568 impact factor and placed second rank. The ‘Journal of the Medical Library Association’ and ‘Program-Electronic Library and Information Systems’ journals with 1.084, 1.000 and placed sixth and seventh ranks. It is further found that ‘Library Collections Acquisitions & Technical Services’, ‘Canadian Journal of Information and Library Science’ have got less impact factor.

5.3. LIS Journals indexed in ICI (Indian Citation Index) with Research Impact Indicator

Table 3 shows that LIS journals indexed in ICI with Research Impact Indicator and Journal Current Index. The journals ranked based on RII (Research Impact Indicator).

Table 3

LIS Journals indexed in ICI with Research Impact Indicator

S. No.	Journal No.	Name of the Journal	Research Impact	Journal Current	Rank
--------	-------------	---------------------	-----------------	-----------------	------

			Indicator	Index	
1	4633	Library Herald	0.064	0	2
2	4642	Library Progress (International)	0	0	
3	6490	Kelpro Bulletin	0	0	
4	7795	International Library Movement	0	0	
5	12915	Desidoc Bulletin of Information Technology	0	0	
6	12916	Desidoc Journal of Library & Information Technology	0.233	0.104	1
7	16142	Collnet Journal of Scientometrics and Information Management	0.037	0	5
8	20796	Indian Journal of Information, Library & Society	0.049	0	3
9	21136	Information Studies	0.037	0	5
10	29711	Iaslic Bulletin	0.049	0	3
11	30470	Journal of Library and Information Science	0	0	
12	30472	Journal of Library and Information Technology	0	0	
13	33656	SRELS Journal of Information Management	0.026	0	7
14	37098	Pearl: Journal of Library & Information Science	0	0	

The above table shows that, 'The DESIDOC Journal of Library & Information Technology' has highest (0.233) RII and placed in first rank and it is followed by 'Library Herald' journal with (0.069) RII and placed in second rank. It is further found that 'SRELS Journal of Information Management' got (0.026) and placed in seventh rank. It is also found that more than 50% of LIS journals in Indian Citation Index do not have the RII.

5.4. LIS Journals indexed in Scopus with Cite Score

Table 4 indicates the LIS journals indexed in Scopus with Cite Score, SCImago Journal Rank (SJR) and Source Normalized Impact per Paper (SNIP) and also journals ranked based on Cite Score.

Table 4

LIS Journals indexed in Scopus with Cite Score

S. No.	Journal No.	Name of the Journal	Cite Score	SJR	SNIP	Rank
1	202	Accountability in Research	1.14	0.341	0.610	21
2	285	Acquisitions Librarian	--	--	--	
3	1347	Aslib Proceedings: New Information Perspectives	--	--	--	
4	1558	Australian Academic and Research Libraries	0.71	0.944	0.556	36
5	1910	Behavioral and Social Sciences Librarian	0.62	0.354	0.606	43
6	2284	Transactions of the Cambridge Bibliographical Society	0.04	0.102	0.000	119
7	2328	Interlending and Document Supply	0.31	0.480	0.991	75
8	2446	International Information and Library Review	0.38	0.472	1.499	71
9	2448	International Institute of Administrative Sciences Monographs	--	--	--	
10	3109	Aib Studi	0.16	0.169	0.297	99
11	3368	American Archivist	--	--	--	
12	3732	Analecta Hibernica	0.60	0.102	0.840	46
13	3752	Anales De Documentacion	0.08	0.101	0.000	113
14	3922	Masaryk University Journal of Law and Technology	0.16	0.101	0.000	99
15	4293	Medical Reference Services Quarterly	0.82	0.500	0.789	31
16	4521	Lecture Notes in Control and Information Sciences	0.26	0.169	0.243	81
17	4543	Legal Reference Services Quarterly	0.19	0.426	0.457	93
18	4618	Liber Quarterly	0.82	0.315	0.812	31
19	4621	Libraries and the Cultural Record	--	--	--	
20	4622	Library	0.26	0.101	0.000	81
21	4625	Library Administration and Management	--	--	--	
22	4626	Library and Archival Security	--	--	--	

23	4629	Library and Information Science Research	1.93	1.629	2.338	9
24	4631	Library Collections, Acquisition and Technical Services	0.47	0.511	1.653	57
25	4635	Library Hi Tech News	0.42	0.255	0.395	66
26	4637	Library Leadership and Management	0.15	0.282	0.270	102
27	4638	Library Management	0.83	0.642	0.859	30
28	4640	Library of the Written Word	--	--	--	
29	4641	Library Philosophy and Practice	0.16	0.158	0.182	99
30	4645	Library Resources and Technical Services	0.58	0.649	1.549	49
31	4646	Library Review	0.67	0.497	0.920	39
32	4647	Library Security Newsletter	--	--	--	
33	4650	Libres	0.48	0.199	0.150	55
34	4847	Canadian Journal of Information and Library Science	0.41	0.197	0.538	69
35	5165	Cataloging and Classification Quarterly	0.52	0.440	0.621	54
36	5200	Cd-Rom Professional	--	--	--	
37	5767	Malaysian Journal of Library and Information Science	0.71	0.361	0.632	36
38	6286	Journal of Web Librarianship	1.20	0.865	0.977	20
39	6600	Knowledge Management Research and Practice	1.47	0.405	0.855	11
40	7117	Journal of Digital Information	0.24	0.135	0.277	86
41	7236	Journal of Educational Media and Library Science	0.19	0.115	0.191	93
42	7280	Journal of Electronic Resources in Medical Libraries	0.57	0.218	0.357	51
43	7281	Journal of Electronic Resources Librarianship	0.45	0.320	0.713	62
44	7367	Journal of Enterprise Information Management	2.40	0.433	1.047	6

45	7673	International Journal of the Book	0.09	0.135	0.192	109
46	7779	International Journal on Digital Libraries	1.23	0.375	0.988	17
47	8007	Internet Reference Services Quarterly	1.21	0.690	0.609	19
48	8271	Archival Science	1.33	0.804	1.406	15
49	8272	Archivaria	0.23	0.417	0.702	87
50	8282	Archives	0.00	0.101	0.000	126
51	8283	Archives and Manuscripts	0.38	0.189	0.275	71
52	8951	Ire Professional Group on Information Theory	--	--	--	
53	8969	Ire Transactions on Information Theory	--	--	--	
54	9038	Islamic Manuscripts and Books	--	--	--	
55	9114	Issues in Science and Technology Librarianship	0.47	0.180	--	57
56	9515	Bulletin Des Bibliothèques De France	0.00	0.102	0.003	126
57	9602	Bulletin of the American Society For Information Science / Asis	--	--	--	
58	9603	Bulletin of the American Society For Information Science and Technology	--	--	--	
59	9719	Bulletin. John Rylands University Library of Manchester	0.18	0.118	0.078	95
60	9884	Campus-Wide Information Systems	--	--	--	
61	10110	Records Management Journal	0.96	0.324	1.042	25
62	10127	Reference and User Services Quarterly	0.60	0.923	0.899	46
63	10128	Reference Librarian	0.62	0.681	0.725	43
64	10129	Reference Services Review	1.09	1.546	1.711	22
65	10505	Research Strategies	--	--	--	
66	11201	Journal of the Medical Library Association : Jmla	1.32	0.726	1.324	16
67	11312	Journal of the Society of Archivists	--	--	--	

68	11852	Advances in Librarianship	0.31	0.826	0.243	75
69	11853	Advances in Library Administration and Organization	0.08	0.114	0.195	113
70	12368	East Asian Publishing and Society	0.00		0.450	126
71	12570	Education and Information Technologies	1.06	0.528	0.945	23
72	12585	Education For Information	0.26	0.337	0.956	81
73	12748	Database	--	--	--	
74	12917	Desidoc Journal of Library and Information Technology	0.47	0.279	0.508	57
75	12972	Development and Learning in Organisations	0.13	0.138	0.242	106
76	13317	D-Lib Magazine	0.62	0.403	1.517	43
77	13334	Document Numerique	0.09	0.109	0.210	109
78	13344	Documentaliste: Sciences De L'Information	0.02	0.187	0.000	123
79	14112	Cuadernos.Info	0.28	0.117	0.179	79
80	14469	Cybermetrics	5.50	1.107	0.978	1
81	14503	Biblios	0.03	0.101	0.000	121
82	14516	Bid	0.00	0.131	0.157	126
83	14526	Bilgi Dunyasi	0.14	0.111	0.000	105
84	14771	Biomedical Digital Libraries	--	--	--	
85	15178	Book Research Quarterly	--	--	--	
86	15202	Bottom Line	0.28	0.197	0.296	79
87	15726	Annual Review of Information Science and Technology	--	--	--	
88	16124	Collection Building	0.43	0.829	0.623	64
89	16125	Collection Management	0.53	0.631	0.811	53
90	16128	College and Research Libraries	2.15	2.296	2.582	8
91	16129	College and Research Libraries News	0.46	0.907	1.076	61
92	16130	College and Undergraduate Libraries	0.57	1.321	1.004	51
93	16248	Communications in Information Literacy	1.23	0.871	0.723	17
94	16286	Community and Junior College Libraries	0.09	0.147	0.564	109

95	16596	Computers in Libraries	--	--	--	
96	16599	Computers in the Schools	0.92	0.371	0.785	27
97	17986	Gazette Des Archives	0.01	0.100	0.000	124
98	18598	Ciencia Da Informacao	0.00	0.117	0.486	126
99	21084	Informacion, Cultura Y Sociedad	0.23	0.101	0.257	87
100	21108	Information Communication and Society	3.34	2.009	2.763	3
101	21109	Information Design Journal	0.15	0.113	0.012	102
102	21115	Information Management and Computer Security	--	--	--	
103	21118	Information Processing and Management	2.83	0.897	2.109	4
104	21121	Information Professional	--	--	--	
105	21123	Information Research	0.79	0.427	0.959	33
106	21126	Information Retrieval	2.25	0.589	2.120	7
107	21133	Information Services and Use	0.31	0.295	0.405	75
108	21149	Information Technology and People	2.45	0.576	0.920	5
109	21160	Informing Science	1.38	0.178	0.382	12
110	21253	Insights	0.26	0.204	0.556	81
111	21322	Intelligent Systems Reference Library	0.21	0.154	0.179	90
112	21483	Journal of Archival Organization	--	--	--	
113	22538	Technical Services Quarterly	0.22	0.471	0.801	89
114	22948	International Journal of Information Science and Management	0.25	0.148	0.246	85
115	23023	International Journal of Law and Information Technology	0.60	0.247	0.506	46
116	23134	International Journal of Metadata, Semantics and Ontologies	0.42	0.310	0.875	66
117	23961	School Library Media Research	0.27	0.243	1.133	82
118	24015	Science and Technology Libraries	0.45	0.290	0.577	62
119	24417	Journal of Map and	0.41	0.283	1.212	69

		Geography Libraries				
120	25117	The Book Collector	--	--	--	
121	25266	Zeitschrift Für Bibliothekswesen Und Bibliographie	0.09	0.115	0.512	109
122	26254	Journal of Access Services	0.43	0.427	0.705	64
123	26556	Performance Measurement and Metrics	0.75	0.614	0.915	34
124	26607	Perspectivas Em Ciencia Da Informacao	0.10	0.234	0.496	107
125	26705	Nii Journal	--	--	--	
126	26900	Notes	0.17	0.131	0.156	97
127	26901	Notes and Queries	0.05	0.100	0.074	118
128	27277	Oclc Systems and Services	0.66	0.259	0.475	40
129	28110	Grey Journal	0.15	0.135	0.284	102
130	28493	Journal of Hospital Librarianship	0.36	0.217	0.347	74
131	29002	Evidence Based Library and Information Practice	0.42	0.586	0.684	66
132	29721	Ibersid	0.04	0.129	0.123	119
133	30116	Ifla Journal	0.38	0.318	0.629	71
134	30172	Journal of Information and Computational Science	0.17	0.196	0.299	97
135	30174	Journal of Information and Knowledge Management	0.58	0.339	0.448	49
136	30176	Journal of Information and Organizational Sciences	0.29	0.141	0.372	78
137	30178	Journal of Information Ethics	--	--	--	
138	30180	Journal of Information Literacy	0.71	0.227	1.261	36
139	30196	Journal of Information Technology Teaching Cases	0.00	--	--	126
140	30198	Journal of Information, Information Technology, and Organizations	--	--	--	
141	30286	Journal of Interlibrary Loan, Document Delivery and Electronic Reserve	0.20	0.181	0.176	92
142	30334	Journal of Internet Cataloging	--	--	--	
143	30469	Journal of Library	0.94	0.855	1.131	26

		Administration				
144	30471	Journal of Library and Information Services in Distance Learning	0.89	0.687	0.649	28
145	30473	Journal of Library Metadata	0.74	0.506	0.757	35
146	31177	Microform and Digitization Review	--	--	--	
147	31178	Microform and Imaging Review	--	--	--	
148	31838	Program	1.50	0.687	0.511	10
149	31888	Progress in Informatics	--	--	--	
150	31959	Prologue	0.00	0.100	0.000	126
151	32265	Public Library Quarterly	0.47	0.516	1.166	57
152	32382	Quaerendo	0.03	0.119	0.179	121
153	32634	Vine	1.35	0.332	0.721	13
154	32710	Vjesnik Bibliotekara Hrvatske	0.01	0.110	0.400	124
155	32720	Voeb-Mitteilungen	0.00	0.139	0.249	126
156	32875	Webology	0.64	0.203	1.130	42
157	33181	World Patent Information	0.66	0.348	0.642	40
158	33938	Studies in Bibliography	--	--	--	
159	34056	Yale University Library Gazette	--	--	--	
160	34519	Revista General De Informacion Y Documentacion	0.08	0.247	0.922	113
161	34811	Revue Francaise D'Histoire Du Livre	0.00	0.101	0.000	126
162	35164	Tuna	--	--	--	
163	35602	Scientific Data	4.80		0.908	2
164	35625	Scire	0.18	0.172	0.211	95
165	35646	Script and Print	0.08	0.101	0.000	113
166	35657	Scriptorium	0.10	0.111	0.453	107
167	35671	Searcher:Magazine For Database Professionals	--	--	--	
168	35855	Serials	--	--	--	
169	35856	Serials Librarian	0.48	0.359	0.564	55
170	36047	Simile	--	--	--	
171	36094	Slavic and East European Information Resources	0.10	0.111	0.012	107
172	36217	Social Science Information	0.86	0.275	0.508	29
173	36863	Pakistan Journal of Library and Information Science	--	--	--	

174	36967	Papers of the Bibliographical Society of America	0.08	0.152	0.178	113
175	37116	Music Reference Services Quarterly	0.21	0.350	0.445	90
176	37743	New Library World	0.97	0.594	0.824	24
177	37765	New Review of Academic Librarianship	1.35	0.604	0.757	13
178	37848	Nfd Information-Wissenschaft Und Praxis	--	--	--	
179	38369	Preservation, Digital Technology and Culture	0.28	0.159	1.745	79
180	38507	Proceedings of the Asist Annual Meeting	--	--	--	

Table 4 indicates that 'Cybermetrics' journal has highest number of (5.50) cite score and ranked first and it is followed by 'Scientific Data' journal with 4.80 cite score and placed second rank. The 'International Information & Library Review' and 'Archives & Manuscripts' with 0.38 and placed least rank. It is further found that 'Archives' and 'East Asian Publishing and Society' and other journals has not received any cite score.

6. Conclusion and recommendations

University Grants Commission (UGC) has initiated to improve the quality of publications by faculty members and research scholars in higher learning Institutes in India. It also facilitates an avenue for publishing scholarly content in approved journals. In turn this will help to get more academic scores (API) for their publications and also for the visibility in international level. It is recommended that more number of LIS journals to be included in ICI and Web of Science for the overall improvement of LIS contributions.

References

1. Garfield, Eugene. (2003). The meaning of the Impact Factor. Retrieved October 6, 2017, from <http://www.aepc.es/ijchp/TheMeaningOfTheImpactFactor.pdf>
2. Vishala, B. K., & Bhandi, M. K. (n.d.). Availability of Library and Information Science electronic journals through UGC-INFONET Project. Retrieved April 26, 2017, from <http://nopr.niscair.res.in/bitstream/123456789/4677/1/ALIS%2053%282%29%2065-69.pdf>
3. Garfield, Eugene. (2006). The History and Meaning of the Journal Impact Factor. JAMA, 295(1), 90-93. doi:doi:10.1001/jama.295.1.90

4. Braun, Tibor., Glanzel, Wolfgang, & Schubert, Andras. (2006). A Hirsch-type index for journals. *Scientometrics*, 69(1), 169-173. Retrieved October 6, 2017, from <https://link.springer.com/content/pdf/10.1007%2Fs11192-006-0147-4.pdf>.
5. Colledge , Lisa, & Moya-Anegón, Félix de. (2010). SJR and SNIP: two new journal metrics in Elsevier's Scopus. *SJR and SNIP: two new journal metrics*, 23(3), 215-221. Retrieved October 6, 2017.
6. Jamali, J., Salehi-Marzijarani, M., & Ayatollahi, S. M. T. (2014). Factors Affecting Journal Quality Indicator in Scopus (SCImago Journal Rank) in Obstetrics and Gynecology Journals: a Longitudinal Study (1999-2013). *Acta Informatica Medica*, 22(6), 385–388. <http://doi.org/10.5455/aim.2014.22.385-388>
7. Sood, S. P., Pareek, A. K., & Satis kumar. (n.d.). Library and Information Science Journals in UGC INFONET Digital Library Consortium: A Study. Retrieved April 22, 2017, from <http://irjlis.com/wp-content/uploads/2016/01/9-IR-299-53.pdf>
8. UGC. (n.d.). UGC Approved Journal list. Retrieved April 16, 2017, from <https://www.ugc.ac.in/journallist/>
9. (n.d.). Retrieved April 19, 2017, from www.iau-ahar.ac.ir/ahar/images/pdf/JCR_2015.xls
10. (n.d.). Retrieved May 5, 2017, from <http://www.scimagojr.com/journalrank.php>
11. (n.d.). Retrieved May 2, 2017, from <http://indiancitationindex.com/JAnalyzer.aspx>
12. (n.d.). Retrieved April 18, 2017, from <http://www.indiancitationindex.com/ici.aspx>