

8	234	14.58	3.66	14.58	14511.66
9	164	10.22	2.02	10.22	12958.02
10	82	5.11	0.82	5.11	8036.82
11	89	5.55	0.74	5.55	10591.74
12	30	1.87	0.21	1.87	4260.21
13	33	2.06	0.20	2.06	5511.20
14	18	1.12	0.09	1.12	3492.09
15	17	1.06	0.08	1.06	3791.08
16	14	0.87	0.05	0.87	3556.05
17	3	0.19	0.01	0.19	861.01
18	4	0.25	0.01	0.25	1288.01
19	4	0.25	0.01	0.25	1436.01
20	2	0.12	0.01	0.12	796.01
21	2	0.12	0.00	0.12	878.00
22	2	0.12	0.00	0.12	964.00
26	2	0.12	0.00	0.12	1348.00
27	1	0.06	0.00	0.06	727.00
30	2	0.12	0.00	0.12	1796.00
31	2	0.12	0.00	0.12	1918.00
32	3	0.19	0.00	0.19	3066.00
35	1	0.06	0.00	0.06	1223.00
39	2	0.12	0.00	0.12	3038.00
41	1	0.06	0.00	0.06	1679.00
46	1	0.06	0.00	0.06	2114.00
48	1	0.06	0.00	0.06	2302.00
52	1	0.06	0.00	0.06	2702.00
Total	9492	591.4	2504.17	X ²	188072.17

Further the Lotka’s Law is also tested with application of scientific productivity Chi-square model in relation to the number of authors who contributed n number of publications. It is observed from the Table that the calculated chi-square value (188072.17) is lesser than the table value at 0.05 level of significance. Therefore the growth of ‘Dyslexia Research output’ do fit with the lower pattern and the analysis of quantum of productivity theoretically validated Lotka’s findings. From the above analysis, it is inferred that Lotka’s Inverse Square Law does not apply to the ‘Dyslexia Research output’ research output studied. However it is to be mentioned that Lotka’s Law to be treated as general and theoretical estimate of productivity not as precise statistical distribution.(Balasubramani, 2011)

IV. CONCLUSION

The trend in the direction of collaborative research is seen steady during 1989-2017 in the field of Dyslexia Research. Outcome of study clearly show that authorship trend is moving on the way to multiple authorship and degree of collaboration is found to be high. However, multi authorship pattern is found high flying in the field of Dyslexia Research. Present study supported the fact that

collaborative research in various fields of technical sciences has become more worthy and prefer to work together for an objective like a team.

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