



Bibliometric Analysis of Proceedings of the Paksitan Academy of Sciences: Part B from 2016 to 2021

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Proceedings of the Pakistan Academy of Sciences: Part B (Life and Environmental Sciences) is the official flagship journal of the Pakistan Academy of Sciences. It publishes in the fields of agricultural, biological, environmental and health sciences. Scopus database is directly covering it since 2016 and till 19th April 2022, it has published 210 research documents majorly comprising of articles (n=141), book chapters (n=36), conference papers (n=26), reviews (n=6) and one (n=1) note. It also received 232 total citations. We extracted the publication data from Scopus in BibTeX format and analyzed it on R-Studio. In all publications, 313 authors from 278 institutes or universities from 14 Asian, 6 European, 2 Middle East, 1 Oceanic (Australia), 2 North American, 1 South American (Brazil) and 3 African countries have contributed. The country co-authorship network (constructed on Vosviewer) is presented in Supplemnetaty data (Figure 1). The lists of all authors (with total publications (TP), total citations (TC), publications years, h-index, g-index and m-index), all universities (with TP) and countries (with TP) are provided in supplementary data (Table 1, 2 & 3). It has achieved considerable CiteScore (0.6), SJR (0.143) and SNIP (0.347) calculated on 05th May 2022 by Scopus for the year 2021. The success could be attributed to the editorial board (which has experts from Pakistan, Australia, Canada, China, USA, Turkey, Oman, Malaysia, and Indonesia), reviewers, authors, and editorial management. The number of publications, citations and its foothold in different countries confirm that the journal's reputation is significantly improving.

Keywords: PPAS B, Scopus, and Publications

Supplementary Data

Table 1. List of all authors with the total number of publications (NP), total citations (TC), h-index, g-index, and m-index

Table 2. List of all universities with a total number of publications (NoP).

Table 3. List of all countries with a total number of publications (NoP).

Figure 1. Country co-authorship network (constructed on Vosviewer)

Table 1. List of all authors with the total number of publications (NP), total citations (TC), h-index, g-index, and m-index

S. No.	Name of Author	NP	TC	h_index	g_index	m_index	PY_start
1.	ABBAS A	1	1	1	1	0.143	2016
2.	ABBAS K	2	7	2	2	0.4	2018
3.	ABBAS M	1	1	1	1	0.2	2018
4.	ABBAS Q	1	3	1	1	0.25	2019
5.	ABBAS SQ	1	1	1	1	0.143	2016
6.	ABBASI FM	1	2	1	1	0.167	2017
7.	ABBASI MK	1	1	1	1	0.25	2019
8.	ABDULLAH S	2	7	2	2	0.4	2018
9.	ABID A	1	3	1	1	0.25	2019
10.	ABRO SH	1	2	1	1	0.25	2019
11.	ABRO ZUA	1	1	1	1	0.167	2017
12.	ABUZAR MK	1	8	1	1	0.167	2017
13.	ADHIM ATF	1	3	1	1	0.167	2017
14.	ADINURANI PG	1	13	1	1	0.167	2017
15.	AFAQ M	1	2	1	1	0.143	2016
16.	AFRIDI S	1	2	1	1	0.25	2019
17.	AHMAD B	1	8	1	1	0.167	2017
18.	AHMAD F	2	3	1	1	0.143	2016
19.	AHMAD G	1	2	1	1	0.143	2016
20.	AHMAD KS	1	1	1	1	0.2	2018
21.	AHMAD M	1	2	1	1	0.25	2019
22.	AHMAD MM	2	9	1	2	0.143	2016
23.	AHMAD W	1	2	1	1	0.25	2019
24.	AHMED E	1	1	1	1	0.143	2016
25.	AHMED I	3	41	3	3	0.429	2016
26.	AHMED M	1	5	1	1	0.167	2017
27.	AHMED MM	1	1	1	1	0.2	2018
28.	AHMED S	1	4	1	1	0.167	2017
29.	AHMED SN	1	2	1	1	0.25	2019
30.	AHSAN A	1	2	1	1	0.25	2019
31.	AJAIB M	1	4	1	1	0.25	2019
32.	AKBAR M	1	1	1	1	0.143	2016

S. No.	Name of Author	NP	TC	h_index	g_index	m_index	PY_start
33.	AKBAR W	1	1	1	1	0.167	2017
34.	AKHTAR ALI SHAH S	2	8	1	2	0.143	2016
35.	AKHTAR S	1	4	1	1	0.143	2016
36.	AKRAM F	1	2	1	1	0.25	2019
37.	ALI A	1	1	1	1	0.25	2019
38.	ALI F	1	1	1	1	0.2	2018
39.	ALI K	1	3	1	1	0.25	2019
40.	ALI M	2	3	1	1	0.143	2016
41.	ALI S	1	2	1	1	0.25	2019
42.	ANANDITO RBK	1	5	1	1	0.167	2017
43.	ANDINI A	1	1	1	1	0.5	2021
44.	ANGGORO S	1	3	1	1	0.2	2018
45.	ANJUM F	1	1	1	1	0.25	2019
46.	ANNE O	1	4	1	1	0.2	2018
47.	ANUM K	1	2	1	1	0.25	2019
48.	ANWAR E	1	15	1	1	0.167	2017
49.	ANWAR MM	1	5	1	1	0.167	2017
50.	ANWAR T	1	1	1	1	0.25	2019
51.	AROOJA	1	7	1	1	0.167	2017
52.	ARSHAD F	1	1	1	1	0.25	2019
53.	ARSHAD M	1	1	1	1	0.167	2017
54.	ARSHAD R	1	2	1	1	0.2	2018
55.	ASGHAR M	1	2	1	1	0.25	2019
56.	ASHFAQ S	1	2	1	1	0.25	2019
57.	ASHRAF A	2	9	1	2	0.143	2016
58.	ASHRAF H	1	5	1	1	0.167	2017
59.	ASLAMA	1	3	1	1	0.143	2016
60.	ATTA-UR-RAHMAN AR	2	8	1	2	0.143	2016
61.	ATTA-UR-RAHMAN AUR	3	13	3	3	0.429	2016
62.	AYAZ M	1	2	1	1	0.25	2019
63.	AZAM S	1	4	1	1	0.25	2019
64.	AZIZ I	1	3	1	1	0.25	2019
65.	AZIZAH LH	1	1	1	1	0.2	2018
66.	BALAL RM	1	1	1	1	0.167	2017
67.	BALOCH N	1	1	1	1	0.167	2017
68.	BASHIR S	1	2	1	1	0.25	2019
69.	BATOOL Y	1	5	1	1	0.2	2018
70.	BHOWMIK KR	1	1	1	1	0.143	2016
71.	BIDDINIKA MK	1	9	1	1	0.167	2017
72.	BOKHARI SAI	1	15	1	1	0.167	2017
73.	BUTT MS	1	2	1	1	0.25	2019
74.	CHANDIO A	1	2	1	1	0.25	2019
75.	CHANNA IA	1	2	1	1	0.25	2019

S. No.	Name of Author	NP	TC	h_index	g_index	m_index	PY_start
76.	COLLINS AE	1	5	1	1	0.167	2017
77.	DARBAN DA	1	1	1	1	0.143	2016
78.	DIN M	1	2	1	1	0.25	2019
79.	FAISAL R	1	3	1	1	0.25	2019
80.	FARMAN M	1	2	1	1	0.167	2017
81.	FAROOQ S	1	4	1	1	0.25	2019
82.	FARZANA F	1	1	1	1	0.143	2016
83.	FATIMA H	1	1	1	1	0.2	2018
84.	FATIMA R	1	3	1	1	0.143	2016
85.	FATMAWATI S	1	2	1	1	0.25	2019
86.	GHANI A	1	1	1	1	0.2	2018
87.	GIYARSIH SR	1	1	1	1	0.25	2019
88.	HABIB M	1	5	1	1	0.143	2016
89.	HABIB U	1	5	1	1	0.143	2016
90.	HAFEEZ S	1	1	1	1	0.25	2019
91.	HAI A	1	5	1	1	0.143	2016
92.	HAIDER H	1	1	1	1	0.143	2016
93.	HAIDER SS	1	11	1	1	0.143	2016
94.	HANDAJANI R	1	1	1	1	0.5	2021
95.	HANSEN Y	1	1	1	1	0.333	2020
96.	HARSONO SS	1	13	1	1	0.167	2017
97.	HARTONO S	1	2	1	1	0.2	2018
98.	HASAN B	1	3	1	1	0.143	2016
99.	HASSAN FR	1	4	1	1	0.143	2016
100.	HASSAN GZ	1	4	1	1	0.143	2016
101.	HAYAT MQ	1	15	1	1	0.167	2017
102.	HAYDAR S	2	3	1	1	0.143	2016
103.	HELIYANTO B	1	1	1	1	0.167	2017
104.	HENDRANINGSIH L	1	5	1	1	0.167	2017
105.	HENNISA DL	1	4	1	1	0.2	2018
106.	HIDAYAT T	2	16	1	2	0.167	2017
107.	HIDAYATI L	1	4	1	1	0.2	2018
108.	HUI SIEN K	1	3	1	1	0.2	2018
109.	HUSNI A	1	8	1	1	0.2	2018
110.	HUSSAIN A	7	29	3	5	0.5	2017
111.	HUSSAIN D	1	1	1	1	0.143	2016
112.	HUSSAIN F	1	1	1	1	0.143	2016
113.	HUSSAIN G	3	4	1	1	0.143	2016
114.	HUSSAIN I	1	1	1	1	0.143	2016
115.	HUSSAIN M	2	2	1	1	0.2	2018
116.	HUSSAIN Q	2	9	1	2	0.143	2016
117.	HUSSAIN S	1	3	1	1	0.25	2019
118.	HUSSAIN T	1	4	1	1	0.25	2019

S. No.	Name of Author	NP	TC	h_index	g_index	m_index	PY_start
119.	IBRAHIM MI	1	2	1	1	0.167	2017
120.	ICHSAN MZ	1	1	1	1	0.5	2021
121.	IFTAKHAR T	1	1	1	1	0.143	2016
122.	IKRAM M	1	1	1	1	0.2	2018
123.	ILYAS M	1	2	1	1	0.167	2017
124.	IMRAN M	1	1	1	1	0.2	2018
125.	IMTIAZ A	1	1	1	1	0.2	2018
126.	INAMULLAH I	1	2	1	1	0.167	2017
127.	IQBAL MB	1	1	1	1	0.143	2016
128.	IRAM S	1	1	1	1	0.2	2018
129.	IRFAN M	2	8	1	2	0.167	2017
130.	ISHTIAQ M	1	4	1	1	0.25	2019
131.	ISLAM S	1	1	1	1	0.143	2016
132.	JABBAR S	2	6	2	2	0.333	2017
133.	JACOB AM	1	1	1	1	0.2	2018
134.	JAFFRI SB	1	1	1	1	0.2	2018
135.	JALEES MI	1	3	1	1	0.143	2016
136.	JAMAL S	1	16	1	1	0.143	2016
137.	JAN SA	2	4	2	2	0.333	2017
138.	JANILA P	1	1	1	1	0.167	2017
139.	KAUSAR T	1	4	1	1	0.167	2017
140.	KAZMI Z	1	4	1	1	0.167	2017
141.	KHALID I	1	3	1	1	0.143	2016
142.	KHALID R	1	1	1	1	0.25	2019
143.	KHALIL AT	2	5	2	2	0.5	2019
144.	KHAN A	1	2	1	1	0.25	2019
145.	KHAN AA	1	1	1	1	0.2	2018
146.	KHAN AB	1	1	1	1	0.143	2016
147.	KHAN AU	1	5	1	1	0.143	2016
148.	KHAN I	1	2	1	1	0.25	2019
149.	KHAN MA	1	7	1	1	0.143	2016
150.	KHAN MUG	1	1	1	1	0.143	2016
151.	KHAN MW	1	1	1	1	0.167	2017
152.	KHAN REA	1	2	1	1	0.167	2017
153.	KHAN SW	1	3	1	1	0.25	2019
154.	KHAN Z	1	3	1	1	0.143	2016
155.	KHATHIAN MA	1	1	1	1	0.25	2019
156.	KHICHI AHK	1	3	1	1	0.167	2017
157.	KHUHRO NH	1	1	1	1	0.167	2017
158.	KHURSHID H	1	2	1	1	0.167	2017
159.	KHUSRO S	1	2	1	1	0.25	2019
160.	KOESNOWIDAGDO S	1	1	1	1	0.5	2021
161.	KUAN LK	1	1	1	1	0.167	2017

S. No.	Name of Author	NP	TC	h_index	g_index	m_index	PY_start
162.	KUMARI N	1	1	1	1	0.333	2020
163.	KUSTIARIYAH K	1	1	1	1	0.2	2018
164.	KUSUMA AF	1	2	1	1	0.2	2018
165.	LAGHARI SK	1	1	1	1	0.143	2016
166.	LATIF M	1	11	1	1	0.143	2016
167.	LI Z	1	20	1	1	0.143	2016
168.	LUTHFIYANA N	1	15	1	1	0.167	2017
169.	MAFTUCHAH M	1	1	1	1	0.167	2017
170.	MAJID A	1	1	1	1	0.2	2018
171.	MALALA AR	1	13	1	1	0.167	2017
172.	MALIK I	1	2	1	1	0.25	2019
173.	MALIK M	1	1	1	1	0.25	2019
174.	MAQBOOL M	1	4	1	1	0.25	2019
175.	MARDIATNO D	1	1	1	1	0.25	2019
176.	MASOOD S	1	2	1	1	0.25	2019
177.	MEHFOOZ B	1	3	1	1	0.167	2017
178.	MEHMOOD W	1	4	1	1	0.167	2017
179.	MEL M	3	16	2	3	0.333	2017
180.	MERAJ MA	1	2	1	1	0.167	2017
181.	MIANA GA	1	2	1	1	0.25	2019
182.	MUNAWAR T	1	1	1	1	0.25	2019
183.	MUSHTAQ S	1	1	1	1	0.143	2016
184.	NADEEM M	2	5	1	2	0.167	2017
185.	NAEEM S	1	1	1	1	0.25	2019
186.	NAKAMURA K	1	3	1	1	0.2	2018
187.	NASEER S	1	3	1	1	0.25	2019
188.	NASRULLAH N	1	2	1	1	0.167	2017
189.	NAUREEN H	1	2	1	1	0.25	2019
190.	NAWAZ S	1	3	1	1	0.143	2016
191.	NAZ H	2	7	2	2	0.4	2018
192.	NELWAN LO	1	13	1	1	0.167	2017
193.	NERGIS Y	1	1	1	1	0.2	2018
194.	NIDA N	1	1	1	1	0.143	2016
195.	NINDITA A	2	15	2	2	0.333	2017
196.	NOERWIJATI K	1	2	1	1	0.167	2017
197.	NOREEN S	1	2	1	1	0.167	2017
198.	NOUREEN S	1	1	1	1	0.2	2018
199.	NUGRAHAENI N	1	1	1	1	0.167	2017
200.	NUGROHO AE	1	8	1	1	0.2	2018
201.	NURHAYATI T	1	1	1	1	0.2	2018
202.	NURILMALA M	1	15	1	1	0.167	2017
203.	NURJANAH N	1	15	1	1	0.167	2017
204.	OMAR MS	1	3	1	1	0.2	2018

S. No.	Name of Author	NP	TC	h_index	g_index	m_index	PY_start
205.	OVAIS M	1	2	1	1	0.25	2019
206.	PAMUNGKAS D	1	5	1	1	0.167	2017
207.	PATOLI AA	1	1	1	1	0.333	2020
208.	PATOLI BB	1	1	1	1	0.333	2020
209.	PERVEEN A	1	1	1	1	0.143	2016
210.	PIGHINELLI L	1	1	1	1	0.5	2021
211.	PRABOWO B	1	9	1	1	0.167	2017
212.	PRAJITNO D	1	2	1	1	0.167	2017
213.	PRATIWI J	1	1	1	1	0.333	2020
214.	PRATIWI T	1	8	1	1	0.2	2018
215.	PRIHANTO AA	1	4	1	1	0.2	2018
216.	PRIHARTINI I	1	3	1	1	0.167	2017
217.	PURBAJANTI E	1	13	1	1	0.167	2017
218.	PURNAMAYATI L	1	5	1	1	0.167	2017
219.	PURNOMO J	1	1	1	1	0.167	2017
220.	PURWANTI F	1	3	1	1	0.2	2018
221.	PURWANTO MGM	1	1	1	1	0.333	2020
222.	PUTRI RF	1	1	1	1	0.25	2019
223.	QADEER A	1	1	1	1	0.25	2019
224.	QAZI IM	2	36	2	2	0.286	2016
225.	QAZI JI	1	7	1	1	0.167	2017
226.	QURESHI H	1	1	1	1	0.25	2019
227.	RABBANI MA	1	2	1	1	0.167	2017
228.	RACHMAWATI D	1	4	1	1	0.2	2018
229.	RAHAYU ID	1	2	1	1	0.25	2019
230.	RAHAYU M	1	1	1	1	0.167	2017
231.	RAHMAN G	2	10	2	2	0.333	2017
232.	RAHSEED R	1	1	1	1	0.25	2019
233.	RAMADHAN SW	1	3	1	1	0.167	2017
234.	RANDHAWA MA	1	2	1	1	0.25	2019
235.	RASHEED A	1	1	1	1	0.25	2019
236.	RASHID MU	1	11	1	1	0.143	2016
237.	RASHID S	1	2	1	1	0.25	2019
238.	RASOOL RM	1	1	1	1	0.25	2019
239.	RASUL G	1	1	1	1	0.143	2016
240.	RATHORE S	1	1	1	1	0.333	2020
241.	RAZA M	1	1	1	1	0.143	2016
242.	RIADI L	1	1	1	1	0.333	2020
243.	RIAZ S	1	1	1	1	0.143	2016
244.	RICO MJI	1	3	1	1	0.167	2017
245.	SAFDAR MN	1	4	1	1	0.167	2017
246.	SAFDAR N	1	4	1	1	0.167	2017
247.	SAHREEN S	1	15	1	1	0.167	2017

S. No.	Name of Author	NP	TC	h_index	g_index	m_index	PY_start
248.	SALEEM MU	1	2	1	1	0.167	2017
249.	SAMIULLAH S	4	16	3	4	0.429	2016
250.	SAMUDRA AG	1	8	1	1	0.2	2018
251.	SASMITO A	1	13	1	1	0.167	2017
252.	SETYOBUDI RH	5	33	4	5	0.667	2017
253.	SHAH JA	1	1	1	1	0.2	2018
254.	SHAH SAA	1	3	1	1	0.143	2016
255.	SHAH SF	1	1	1	1	0.2	2018
256.	SHAH W	1	1	1	1	0.143	2016
257.	SHAHID MA	1	1	1	1	0.167	2017
258.	SHAHZAD N	1	1	1	1	0.143	2016
259.	SHAKIR HA	1	7	1	1	0.167	2017
260.	SHAREEF H	1	1	1	1	0.25	2019
261.	SHARIF M	1	1	1	1	0.2	2018
262.	SHIMIZU K	1	2	1	1	0.25	2019
263.	SHINWARI L	1	3	1	1	0.25	2019
264.	SHINWARI S	1	3	1	1	0.25	2019
265.	SHINWARI W	1	2	1	1	0.25	2019
266.	SHINWARI ZK	3	5	2	2	0.286	2016
267.	SIDDIQUI MA	1	2	1	1	0.25	2019
268.	SIDDIQUI S	1	3	1	1	0.167	2017
269.	SISWANTI S	1	5	1	1	0.167	2017
270.	SODIQ H	1	5	1	1	0.167	2017
271.	SOLHERIA SF	1	2	1	1	0.25	2019
272.	SOMOWIYARJO S	1	2	1	1	0.2	2018
273.	SRI SUMANTYO JT	1	1	1	1	0.25	2019
274.	SRI TUNJUNG WA	1	4	1	1	0.2	2018
275.	SUDARMO H	1	1	1	1	0.167	2017
276.	SULANDARI S	1	2	1	1	0.2	2018
277.	SULTANA S	1	2	1	1	0.25	2019
278.	SUTANTO A	1	2	1	1	0.25	2019
279.	SYAMSIRO M	1	9	1	1	0.167	2017
280.	TABBASUM F	1	7	1	1	0.167	2017
281.	TAHIR MM	1	1	1	1	0.25	2019
282.	TAJ T	1	4	1	1	0.167	2017
283.	TARYONO T	1	2	1	1	0.167	2017
284.	TAUFANI WT	1	3	1	1	0.2	2018
285.	TUFAIL F	1	4	1	1	0.167	2017
286.	UL AIN Q	1	15	1	1	0.167	2017
287.	UL HAQ I	1	2	1	1	0.25	2019
288.	ULLAH A	1	3	1	1	0.25	2019
289.	ULLAH I	1	2	1	1	0.25	2019
290.	ULLAH J	1	20	1	1	0.143	2016

S. No.	Name of Author	NP	TC	h_index	g_index	m_index	PY_start
291.	ULLAH S	3	4	1	1	0.25	2019
292.	UR-REHMAN A	1	1	1	1	0.143	2016
293.	UR REHMAN M	1	2	1	1	0.25	2019
294.	USTADI U	1	8	1	1	0.2	2018
295.	UTARI SA	1	1	1	1	0.2	2018
296.	VINCĚVIČA-GAILE Z	1	5	1	1	0.167	2017
297.	WAHONO SK	1	13	1	1	0.167	2017
298.	WAHYUDI A	1	5	1	1	0.167	2017
299.	WAJIHA H	1	1	1	1	0.143	2016
300.	WASEEM M	1	1	1	1	0.25	2019
301.	WIBIRAMA S	1	1	1	1	0.25	2019
302.	WIDODO W	1	2	1	1	0.25	2019
303.	WINAYA A	1	3	1	1	0.167	2017
304.	YAN M	1	9	1	1	0.167	2017
305.	YAQOOB I	1	4	1	1	0.25	2019
306.	YAR P	1	7	1	1	0.143	2016
307.	YASEEN G	1	2	1	1	0.25	2019
308.	YASMIN A	1	4	1	1	0.167	2017
309.	ZAFAR A	1	1	1	1	0.143	2016
310.	ZAFAR M	2	5	2	2	0.5	2019
311.	ZAFAR U	1	5	1	1	0.167	2017
312.	ZAHEER E	1	1	1	1	0.25	2019
313.	ZAINUDIN A	1	1	1	1	0.167	2017

Table 2. List of all universities with a total number of publications (NoP).

S. No.	Affiliations	NoP
1.	QUAID-I-AZAM UNIVERSITY	16
2.	UNIVERSITY OF PESHAWAR	16
3.	SINDH AGRICULTURE UNIVERSITY	15
4.	KARAKORAM INTERNATIONAL UNIVERSITY	11
5.	PAKISTAN ACADEMY OF SCIENCES	11
6.	UNIVERSITY OF SARGODHA	10
7.	DIPONEGORO UNIVERSITY	9
8.	UNIVERSITY OF THE PUNJAB	9
9.	GOMAL UNIVERSITY	8
10.	THE UNIVERSITY OF AGRICULTURE	8
11.	UNIVERSITAS GADJAH MADA	8
12.	LAHORE COLLEGE FOR WOMEN UNIVERSITY	7
13.	UNIVERSITY OF AGRICULTURE	7
14.	UNIVERSITY OF ENGINEERING AND TECHNOLOGY	7
15.	UNIVERSITY OF MUHAMMADIYAH MALANG	7
16.	SOCIAL SCIENCES RESEARCH INSTITUTE	6
17.	THE UNIVERSITY OF LAHORE	6

S. No.	Affiliations	NoP
18.	UNIVERSITY OF KARACHI	6
19.	GOVERNMENT COLLEGE UNIVERSITY	5
20.	INTERNATIONAL ISLAMIC UNIVERSITY	5
21.	INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA	5
22.	LAHORE GARRISON UNIVERSITY	5
23.	UNIVERSITY OF MANAGEMENT AND TECHNOLOGY	5
24.	UNIVERSITY OF SINDH	5
25.	BOGOR AGRICULTURAL UNIVERSITY	4
26.	FOOD SCIENCE AND PRODUCT DEVELOPMENT INSTITUTE	4
27.	UNIVERSITY OF EDUCATION	4
28.	UNIVERSITY OF SURABAYA	4
29.	AGA KHAN UNIVERSITY	3
30.	AIRLANGGA UNIVERSITY	3
31.	ALTERNATE ENERGY AND WATER RESOURCES INSTITUTE	3
32.	FATIMA JINNAH WOMEN UNIVERSITY	3
33.	GC UNIVERSITY	3
34.	HAZARA UNIVERSITY	3
35.	JINNAH SINDH MEDICAL UNIVERSITY	3
36.	KARAKORAM INTERNATIONAL UNIVERSITY GILGIT-BALTISTAN	3
37.	MA CHUNG RESEARCH CENTER FOR PHOTOSYNTHETIC PIGMENTS	3
38.	MIRPUR UNIVERSITY OF SCIENCE AND TECHNOLOGY (MUST)	3
39.	NATIONAL INSTITUTE OF HEALTH	3
40.	NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY	3
41.	NUCLEAR INSTITUTE OF AGRICULTURE (NIA)	3
42.	QARSHI UNIVERSITY	3
43.	QUAID-E-AZAM UNIVERSITY	3
44.	UNIVERSITY OF AGRICULTURE FAISALABAD	3
45.	UNIVERSITY OF CENTRAL PUNJAB	3
46.	UNIVERSITY OF LAHORE	3
47.	UNIVERSITY OF POONCH	3
48.	UNIVERSITY OF SWABIKP	3
49.	UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES	3
50.	ABDUL WALI KHAN UNIVERSITY	2
51.	ALLAMA IQBAL OPEN UNIVERSITY	2
52.	BACHA KHAN UNIVERSITY	2
53.	BAHAUDDIN ZAKARIYA UNIVERSITY	2
54.	BAHRIA UNIVERSITY	2
55.	BAHRIA UNIVERSITY KARACHI CAMPUS	2
56.	CHANGZHOU UNIVERSITY	2
57.	COMSATS UNIVERSITY	2
58.	DIRECTORATE OF AGRICULTURE RESEARCH (DATES)	2
59.	FEDERAL URDU UNIVERSITY	2
60.	FISHERIES RESEARCH AND TRAINING INSTITUTE	2
61.	ISLAMIA COLLEGE PESHAWAR	2

S. No.	Affiliations	NoP
62.	KARAKORAM INTERNATIONAL UNIVERSITY (KIU)	2
63.	KING ABDULAZIZ HOSPITAL	2
64.	KPK AGRICULTURAL UNIVERSITY PESHAWAR	2
65.	MIRPUR UNIVERSITY OF SCIENCE AND TECHNOLOGY	2
66.	PAKISTAN AGRICULTURAL RESEARCH COUNCIL	2
67.	PIR MEHR ALI SHAH ARID AGRICULTURE UNIVERSITY	2
68.	QUAID-I-AZAM UNIVERSITY ISLAMABAD	2
69.	SHAHEED BENAZIR BHUTTO UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES	2
70.	SHAHEED ZULFIQAR ALI BHUTTO INSTITUTE OF SCIENCE AND TECHNOLOGY (SZABIST)	2
71.	SULTAN AGENG TIRTAYASA UNIVERSITY	2
72.	TRIBHUVAN UNIVERSITY	2
73.	UNIVERSITAS PADJADJARAN	2
74.	UNIVERSITY OF BALTIKISTAN	2
75.	UNIVERSITY OF GUJRAT	2
76.	UNIVERSITY OF HARIPUR	2
77.	UNIVERSITY OF KASHMIR	2
78.	UNIVERSITY OF MALAKAND	2
79.	UNIVERSITY OF OKARA	2
80.	UNIVERSITY OF SAHIWAL	2
81.	VIRTUAL UNIVERSITY OF PAKISTAN	2
82.	ABBOTTABAD UNIVERSITY OF SCIENCE AND TECHNOLOGY KP	1
83.	ABDUL WALI KHAN UNIVERSITY MARDAN	1
84.	ABDUL WALI KHAN UNIVERSITY MARDAN (AWKUM)	1
85.	ACADEMY OF PHARMACY OF PUTRA INDONESIA MALANG	1
86.	AGRICULTURAL RESEARCH COUNCIL	1
87.	AGRICULTURE RESEARCH INSTITUTION	1
88.	ASIAN INSTITUTE OF TECHNOLOGY	1
89.	AYUB AGRICULTURAL RESEARCH INSTITUTE	1
90.	AYUB AGRICULTURAL RESEARCH INSTITUTE (AARI)	1
91.	BANGLADESH INSTITUTE OF SOCIAL RESEARCH TRUST	1
92.	BEIJING TECHNOLOGY AND BUSINESS UNIVERSITY	1
93.	BINGOL UNIVERSITY	1
94.	BIO RESOURCES CONSERVATION INSTITUTE	1
95.	BOGOR AGRICULTURE INSTITUTE	1
96.	BOGOR AGRICULTURE UNIVERSITY	1
97.	BOTANICAL SCIENCES DIVISION	1
98.	BRAWIJAYA UNIVERSITY	1
99.	CANTT MILITARY HOSPITAL	1
100.	CAS CENTER FOR EXCELLENCE IN NANOSCIENCE	1
101.	CENTER FOR ADVANCED STUDIES IN ENGINEERING	1
102.	CENTRAL LUZON STATE UNIVERSITY	1
103.	CENTRE DE FORMATION ET D'APPLICATION DU MACHINISME AGRICOLE (CFAMA)	1

S. No.	Affiliations	NoP
104.	CENTRE FOR AGRICULTURE AND BIOSCIENCES INTERNATIONAL (CABI)	1
105.	CHAUDHARY CHARAN SINGH HARYANA AGRICULTURE UNIVERSITY	1
106.	CHIBA UNIVERSITY	1
107.	CHOLISTAN UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES	1
108.	CHONGQING UNIVERSITY	1
109.	COMSATS INSTITUTE OF INFORMATION TECHNOLOGY	1
110.	COMSATS UNIVERSITY ISLAMABAD	1
111.	COUNCIL FOR NUTRITIONAL AND ENVIRONMENTAL MEDICINE	1
112.	DANYLO HALYTSKY LVIV NATIONAL MEDICAL UNIVERSITY	1
113.	DBFZ DEUTSCHES BIOMASSEFORSCHUNGSZENTRUM GEMEINNÜTZIGE GMBH	1
114.	DE MONTFORT UNIVERSITY	1
115.	DELTA STATE UNIVERSITY	1
116.	DEPARTMENT OF BIOSCIENCES SHAHEED ZULFIKAR ALI BHUTTO INSTITUTE OF SCIENCE AND TECHNOLOGY (SZABIST)	1
117.	DEPARTMENT OF BIOTECHNOLOGY ABDUL WALI KHAN UNIVERSITY MARDAN	1
118.	DEPARTMENT OF FISHERIES FACULTY OF AGRICULTURE UNIVERSITAS GADJAH MADA	1
119.	DEPARTMENT OF HIGHER EDUCATION ARCHIVES AND LIBRARIES	1
120.	DEPARTMENT OF RESEARCH AND DEVELOPMENT	1
121.	DISTRICT NARCOTICS CONTROL OFFICE	1
122.	DIVISION OF ANATOMY PATHOLOGY MEDICAL SCHOOL OF ANDALAS UNIVERSITY-M. DJAMIL HOSPITAL	1
123.	DIVISION OF SCIENCE AND TECHNOLOGY	1
124.	DIVISION OF SURGICAL ONCOLOGY MEDICAL SCHOOL OF ANDALAS UNIVERSITY-M. DJAMIL HOSPITAL	1
125.	ECOTOXICOLOGY RESEARCH INSTITUTE	1
126.	FACULTY OF MARINE TECHNOLOGY AND NATURAL SCIENCES OF KLAIPEDA UNIVERSITY	1
127.	FEDERAL URDU UNIVERSITY OF ARTS	1
128.	FEDERAL URDU UNIVERSITY OF SCIENCE AND TECHNOLOGY	1
129.	FOOD AND AGRICULTURE ORGANIZATION	1
130.	FOOD AND BIOTECHNOLOGY RESEARCH CENTRE	1
131.	FOOD SCIENCE RESEARCH INSTITUTE	1
132.	FORMAN CHRISTIAN COLLEGE (A CHARTERED UNIVERSITY)	1
133.	GADJAH MADA UNIVERSITY	1
134.	GC WOMEN UNIVERSITY	1
135.	GC WOMEN UNIVERSITY SIALKOT	1
136.	GHAZI UNIVERSITY	1
137.	GOVERNMENT MATERNITY HOSPITAL	1
138.	GOVERNMENT COLLEGE FOR WOMEN	1
139.	GOVERNMENT COLLEGE UNIVERSITY FAISALABAD (GCUF)	1
140.	GOVT. COLLEGE OF HOME ECONOMICS	1
141.	GRADUATE SCHOOL OF UNIVERSITAS GADJAH MADA	1

S. No.	Affiliations	NoP
142.	HAMDARD UNIVERSITY KARACHI CAMPUS	1
143.	HASANUDDIN UNIVERSITY	1
144.	HAZARA UNIVERSITY MANSEHRAKP	1
145.	HENAN UNIVERSITY KAIFENG	1
146.	HORTICULTURE LAB COLLEGE OF AGRICULTURE BZU	1
147.	HUAZHONG AGRICULTURAL UNIVERSITY	1
148.	IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY	1
149.	INCUBADORA EMPRESARIAL DO CENTRO DE BIOTECNOLOGIA - IECBIOT	1
150.	INDONESIAN ASSOCIATION OF BIOENERGY	1
151.	INDONESIAN INSTITUTE OF SCIENCES	1
152.	INDONESIAN INSTITUTE OF SCIENCES (LIPI)	1
153.	INDONESIAN LEGUMES AND TUBER CROPS RESEARCH INSTITUTE	1
154.	INDONESIAN LEGUMES AND TUBER CROPS RESEARCH INSTITUTES	1
155.	INDONESIAN SWEETENER AND FIBER CROPS RESEARCH INSTITUTE (ISFRI)	1
156.	INSTITUT TEKNOLOGI SEPULUH NOPEMBER	1
157.	INSTITUTE OF BEEF CATTLE RESEARCH	1
158.	INSTITUTE OF METALS RESEARCH	1
159.	INSTITUTE OF PLANT PROTECTION	1
160.	INSTITUTE OF SOUTHERN PUNJAB	1
161.	INTERNATIONAL CROPS RESEARCH INSTITUTE FOR THE SEMI-ARID TROPICS (ICRISAT)	1
162.	INTERNATIONAL ISLAM UNIVERSITY MALAYSIA	1
163.	INTERNATIONAL MAIZE AND WHEAT IMPROVEMENT CENTER (CIMMYT) OFFICE	1
164.	IRRIGATION RESEARCH INSTITUTE (IRI)	1
165.	JANABADRA UNIVERSITY	1
166.	JIANGXI AGRICULTURAL UNIVERSITY	1
167.	JINNAH UNIVERSITY FOR WOMEN	1
168.	JÖNKÖPING UNIVERSITY	1
169.	KAGOSHIMA UNIVERSITY	1
170.	KAMPALA INTERNATIONAL UNIVERSITY	1
171.	KHYBER MEDICAL UNIVERSITY	1
172.	KING SAUD BIN ABDULAZIZ UNIVERSITY FOR HEALTH SCIENCES (KSAU-HS)	1
173.	KIST MEDICAL COLLEGE AND TEACHING HOSPITAL	1
174.	KOBE UNIVERSITY	1
175.	KYOTO UNIVERSITY	1
176.	KYUSHU UNIVERSITY	1
177.	LADY READING HOSPITAL	1
178.	LADY READING HOSPITAL (MTI)	1
179.	LAND RESOURCES RESEARCH INSTITUTE	1
180.	LANZHOU UNIVERSIT	1
181.	LANZHOU UNIVERSITY	1
182.	LANZHOU VETERINARY RESEARCH INSTITUTE	1

S. No.	Affiliations	NoP
183.	LIMKOKWING UNIVERSITY OF CREATIVE TECHNOLOGY	1
184.	LINNAEUS UNIVERSITY	1
185.	MERDEKA UNIVERSITY	1
186.	MUHAMMAD ALI JINNAH UNIVERSITY	1
187.	MUHAMMADIYAH MALANG UNIVERSITY	1
188.	MUHAMMADIYAH UNIVERSITY	1
189.	NAHDLATUL ULAMA SURABAYA UNIVERSITY	1
190.	NAHDLATUL ULAMA UNIVERSITY	1
191.	NAHDLATUL ULAMA UNIVERSITY OF SURABAYA	1
192.	NATIONAL AGRICULTURAL RESEARCH CENTRE	1
193.	NATIONAL COUNCIL FOR TIBB	1
194.	NATIONAL INSTITUTE FOR GENOMICS AND ADVANCED BIOTECHNOLOGY	1
195.	NATIONAL INSTITUTE OF GENOMICS AND ADVANCED BIOTECHNOLOGY	1
196.	NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES (FAST) KARACHI	1
197.	NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY (NUST)	1
198.	NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY	1
199.	NEPAL ACADEMY OF SCIENCE AND TECHNOLOGY	1
200.	NORTHUMBRIA UNIVERSITY	1
201.	OCEAN UNIVERSITY OF CHINA	1
202.	PAK-AUSTRIA FACHHOCHSCHULE: INSTITUTE OF APPLIED SCIENCES AND TECHNOLOGY	1
203.	PAKISTAN AGRICULTURAL RESEARCH COUNCIL (PARC)	1
204.	PAKISTAN INSTITUTE OF NUCLEAR SCIENCE AND TECHNOLOGY	1
205.	PAKISTAN METEOROLOGICAL DEPARTMENT	1
206.	PAKISTAN UNIVERSITY OF MANAGEMENT AND TECHNOLOGY	1
207.	PARC-SOCIAL SCIENCES RESEARCH INSTITUTE	1
208.	PARC INSTITUTE FOR ADVANCED STUDIES IN AGRICULTURE	1
209.	PCSIR LABORATORIES COMPLEX	1
210.	PESHAWAR UNIVERSITY	1
211.	PHARMACY ACADEMY OF AL-FATAH	1
212.	PLANT GENETIC RESOURCES INSTITUTE	1
213.	PLANT PROTECTION RESEARCH INSTITUTE	1
214.	PMAS ARID AGRICULTURE UNIVERSITY	1
215.	PSCIR LAB COMPLEX	1
216.	PUNJAB UNIVERSITY COLLEGE OF PHARMACY	1
217.	QARSHI HERB RESEARCH CENTRE	1
218.	QUEENSLAND UNIVERSITY OF TECHNOLOGY	1
219.	REHMAN MEDICAL COLLEGE	1
220.	RESEARCH INSTITUTE FOR BIOSCIENCE AND BIOTECHNOLOGY	1
221.	RICE RESEARCH INSTITUTE	1
222.	RIPHAH INTERNATIONAL UNIVERSITY	1
223.	SAM RATULANGI UNIVERSITY	1
224.	SARHAD UNIVERSITY OF SCIENCE AND TECHNOLOGY (SUIT)	1

S. No.	Affiliations	NoP
225.	SCHOOL EDUCATION DEPARTMENT (SED)	1
226.	SEBELAS MARET UNIVERSITY	1
227.	SEPULUH NOPEMBER INSTITUTE OF TECHNOLOGY	1
228.	SHAH ABDUL LATIF UNIVERSITY	1
229.	SHAHEED BENAZIR BHUTTO UNIVERSITY OF VETERNIARY AND ANIMAL SCIENCES	1
230.	SHAHJALAL UNIVERSITY OF SCIENCE AND TECHNOLOGY	1
231.	SHENYANG ACADEMY OF AGRICULTURAL SCIENCES	1
232.	SOCIAL SCIENCES DIVISION	1
233.	THE ISLAMIA UNIVERSITY OF BAHAWALPUR	1
234.	THE UNIVERSITY OF QUEENSLAND	1
235.	THE WOMEN UNIVERSITY	1
236.	TIANJIN UNIVERSITY	1
237.	TOKYO INSTITUTE OF TECHNOLOGY	1
238.	UNIVERSITA CATTOLICA DEL SACRO CUORE	1
239.	UNIVERSITAS PRASETIYA MULYA	1
240.	UNIVERSITAS SEBELAS MARET	1
241.	UNIVERSITI KEBANGSAAN	1
242.	UNIVERSITI MALAYSIA PAHANG	1
243.	UNIVERSITY COLLEGE LONDON	1
244.	UNIVERSITY COLLEGE OF AGRICULTURE	1
245.	UNIVERSITY COLLEGE OF ENGINEERING AND TECHNOLOGY	1
246.	UNIVERSITY MEDICAL CENTER HAMBURG-EPPENDORF	1
247.	UNIVERSITY OF AGRICULTURE FAISALABAD (UAF)	1
248.	UNIVERSITY OF AGRICULTURE PESHAWAR	1
249.	UNIVERSITY OF BAHRAIN	1
250.	UNIVERSITY OF BALOCHISTAN	1
251.	UNIVERSITY OF BRITISH COLUMBIA	1
252.	UNIVERSITY OF CHINESE ACADEMY OF SCIENCES	1
253.	UNIVERSITY OF ERLANGEN-NUREMBERG	1
254.	UNIVERSITY OF FLORIDA	1
255.	UNIVERSITY OF HAMBURG	1
256.	UNIVERSITY OF HOME ECONOMICS	1
257.	UNIVERSITY OF INDONESIA	1
258.	UNIVERSITY OF JEMBER (UNEJ)	1
259.	UNIVERSITY OF LATVIA	1
260.	UNIVERSITY OF MALAKAND CHAKDARA DIR LOWER	1
261.	UNIVERSITY OF MALAKANDKP	1
262.	UNIVERSITY OF MALAYA	1
263.	UNIVERSITY OF MURCIA	1
264.	UNIVERSITY OF NORTHERN PHILIPPINES	1
265.	UNIVERSITY OF PERADENIYA	1
266.	UNIVERSITY OF PONCH	1
267.	UNIVERSITY OF READING	1

S. No.	Affiliations	NoP
268.	UNIVERSITY OF SCIENCE AND TECHNOLOGY	1
269.	UNIVERSITY OF SCIENCE AND TECHNOLOGY BANNU	1
270.	UNIVERSITY OF SINDH-JAMSHORO	1
271.	UNIVERSITY OF SOUTH AUSTRALIA	1
272.	UNIVERSITY OF SWABI	1
273.	UNIVERSITY OF THE POONCH	1
274.	UNIVERSITY OF VETERINARY SCIENCES	1
275.	WOMEN UNIVERSITY	1
276.	ZHEJIANG UNIVERSITY	1
277.	ZHEJIANG UNIVERSITY OF TECHNOLOGY	1
278.	ZHENGZHOU UNIVERSITY	1

Table 3. List of all countries with a total number of publications (NoP).

S. No.	Country	NoP
1.	PAKISTAN	167
2.	INDONESIA	32
3.	CHINA	17
4.	JAPAN	7
5.	MALAYSIA	7
6.	INDIA	4
7.	UNITED KINGDOM	4
8.	AUSTRALIA	3
9.	GERMANY	3
10.	BANGLADESH	2
11.	ITALY	2
12.	NEPAL	2
13.	PHILIPPINES	2
14.	SAUDI ARABIA	2
15.	SWEDEN	2
16.	UNITED STATES	2
17.	BAHRAIN	1
18.	BRAZIL	1
19.	CANADA	1
20.	LATVIA	1
21.	LITHUANIA	1
22.	MADAGASCAR	1
23.	NIGERIA	1
24.	NORWAY	1
25.	SPAIN	1
26.	SRI LANKA	1
27.	THAILAND	1
28.	TURKEY	1
29.	UGANDA	1
30.	UKRAINE	1

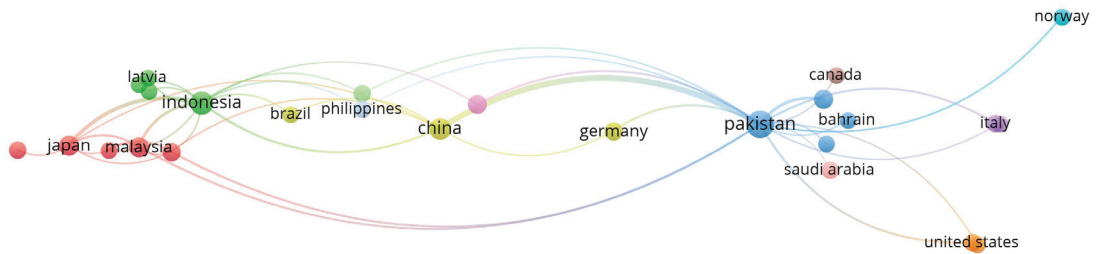


Fig. 1. Country co-authorship network (constructed on Vosviewer)

