

## Annex A – Universities in Bangladesh

Name of university	Year founded	Location	# of Students	Type	Status
Bangabandhu Sheikh Mujib Medical University	1998	Dhaka	--	Medical	Public
Bangabandhu Sheikh Mujibur Rahman Agricultural University	1998	Gazipur	--	Agricultural science	Public
Bangabandhu Sheikh Mujibur Rahman Science and Technology University	2011	Gopalganj	--	Science & technology	Public
Bangladesh Agricultural University	1961	Mymensingh	15,580	Agricultural science	Public
Bangladesh Open University	1992	Gazipur	--	General	Public
Bangladesh University of Engineering and Technology	1962	Dhaka	5,500	Engineering	Public
Bangladesh University of Professionals	2008	Dhaka	--	General	Public
Bangladesh University of Textiles	1978	Dhaka	--	Textiles	Public
Barisal University	2011	Barisal	--	General	Public
Begum Rokeya University	2008	Rangpur	--	General	Public
Chittagong University of Engineering & Technology	1968	Chittagong	2,400	Engineering	Public
Chittagong Veterinary and Animal Sciences University	2006	Chittagong	340	Veterinary Sciences	Public
Comilla University	2006	Comilla	2,150	General	Public
Dhaka University of Engineering & Technology	2003	Gazipur	--	Engineering	Public
Hajee Mohammad Danesh Science & Technology University	2002	Dinajpur	2,650	Science & technology	Public
Islamic University	1980	Kushtia	10,000	Islam	Public
Jagannath University	2005	Dhaka	25,000	General	Public
Jahangirnagar University	1970	Savar	10,500	General	Public
Jatiya Kabi Kazi Nazrul Islam University	2005	Trishal	--	General	Public
Jessore Science & Technology University	2008	Jessore	--	Science & technology	Public
Khulna University	1991	Khulna	--	General	Public
Khulna University of Engineering & Technology	1969	Khulna	2,300	Engineering	Public
Mawlana Bhashani Science and Technology University	1999	Tangail	1,700	Science & technology	Public
National University	1992	Gazipur	--	General	Public
Noakhali Science and Technology University	2005	Noakhali	1,500	Science & technology	Public
Pabna University of Science and Technology	2008	Pabna	800	Science & technology	Public
Patuakhali Science and Technology University	2002	Patuakhali	1,300	Science & technology	Public

Rajshahi University	1953	Rajshahi	25,000	General	Public
Rajshahi University of Engineering & Technology	1964	Rajshahi	1,750	Engineering	Public
Shahjalal University of Science and Technology	1987	Sylhet	13,800	Science & technology	Public
Sher-e-Bangla Agricultural University	2001	Dhaka	--	Agricultural science	Public
Sylhet Agricultural University	2006	Sylhet	--	Agricultural science	Public
University of Chittagong	1966	Chittagong	22,000	General	Public
University of Dhaka	1921	Dhaka	32,000	General	Public
Ahsanullah University of Science and Technology	1995	Dhaka	--	Technology	Private
America Bangladesh University	1997	Dhaka	--	General	Private
American International University-Bangladesh	1994	Dhaka	9,320	Engineering	Private
ASA University Bangladesh	2006	Dhaka	4,000	General	Private
Asian University of Bangladesh	1996	Dhaka	7,500	General	Private
Atish Dipankar University of Science and Technology	2004	Dhaka	--	Technology	Private
Bangladesh Islami University	--	Dhaka	--	General	Private
Bangladesh University	2001	Dhaka	--	General	Private
Bangladesh University of Business and Technology	2003	Dhaka	--	Technology	Private
Begum Gulchemonara Trust University	2002	Chittagong	--	General	Private
BRAC University	2001	Dhaka	--	General	Private
Central Women's University	1993	Dhaka	--	Women's Study	Private
City University, Bangladesh	2002	Dhaka	--	General	Private
Daffodil International University	2002	Dhaka	8,000	General	Private
Darul Ihsan University	1989	Dhaka	--	General	Private
Dhaka International University	1995	Dhaka	--	General	Private
East Delta University	2006	Chittagong	--	General	Private
East West University	1996	Dhaka	6,160	General	Private
Eastern University	2003	Dhaka	--	General	Private
Gono Bishwabidyalay	1996	Dhaka	--	General	Private
Green University of Bangladesh	2002	Dhaka	--	General	Private
IBAIS University	2002	Dhaka	--	General	Private
Independent University	1993	Dhaka	4,000	General	Private
International Islamic University, Chittagong	1995	Chittagong	13,000	General	Private
International University of Business Agriculture and Technology	1991	Dhaka	--	General	Private

Leading University	2002	Sylhet	--	General	Private
Manarat International University	2001	Dhaka	3,000	General	Private
Metropolitan University	2003	Sylhet	--	General	Private
Millennium University	2003	Dhaka	--	General	Private
North South University	1992	Dhaka	10,000	General	Private
Northern University, Bangladesh	2002	Dhaka	10,000	General	Private
People's University of Bangladesh	1996	Dhaka	--	General	Private
Premier University, Chittagong	2002	Chittagong	9,000	General	Private
Presidency University	2003	Dhaka	--	General	Private
Prime University	2002	Dhaka	--	General	Private
Primeasia University	2003	Dhaka	--	General	Private
Pundra University of Science and Technology	2001	Bogra	--	Technology	Private
Queens University	1996	Dhaka	--	General	Private
Royal University of Dhaka	2003	Dhaka	750	General	Private
Shanto-Mariam University of Creative Technology	2003	Dhaka	--	General	Private
Southeast University	2002	Dhaka	6,000	General	Private
Southern University	2001	Chittagong	5,000	General	Private
Stamford University Bangladesh	2002	Dhaka	18,000	General	Private
State University of Bangladesh	2002	Dhaka	2,500	General	Private
Sylhet International University	2001	Sylhet	--	General	Private
United International University	2003	Dhaka	--	General	Private
University of Asia Pacific (Bangladesh)	1996	Dhaka	4,500	General	Private
University of Development Alternative	2002	Dhaka	--	General	Private
University of Information Technology and Sciences	2003	Dhaka	7,000	General	Private
University of Liberal Arts Bangladesh	2004	Dhaka	--	General	Private
University of Science & Technology Chittagong	1989	Chittagong	2,000	Technology	Private
University of South Asia	2003	Dhaka	--	General	Private
Uttara University	2003	Dhaka	5,000	General	Private
Victoria University of Bangladesh	2003	Dhaka	--	General	Private
World University of Bangladesh	2003	Dhaka	8,000	General	Private
Asian University for Women	2008	Chittagong	500	General	International
Islamic University of Technology	1981	Gazipur	1,040	Engineering and Technology	International

## ANNEX B: SCOPUS DATA, BANGLADESH

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Growth 2000-2010
<b>Panel 1</b>												
All Publications	558	571	523	698	721	862	1,033	1,364	1,502	1,704	2,066	370%
(of which, articles, reviews and conf papers)	544	553	514	674	702	831	1,012	1,344	1,468	1,651	2,015	370%
Citations in publicn yr to yr+4 (to 2 Sep 2011)	1,816	1,751	2,290	3,536	4,426	5,334	6,079	6,120	5,243	3,567	1,861	
Citations per publication	3.25	3.07	4.38	5.07	6.14	6.19	5.88	4.49	3.49	2.09	0.90	
H-index	33	29	35	38	39	40	36	33	26	20	16	
Pubs with nil citations (to 2011)	166	167	125	159	173	243	312	558	664	900	1,437	
% pubs with nil citations	29.75%	29.25%	23.90%	22.78%	23.99%	28.19%	30.20%	40.91%	44.21%	52.82%	69.55%	
<b>Panel 2</b>												
All Publications without non-Bangladeshi authors	336	355	308	315	284	353	457	657	726	863	1009	300%
Citations to yr+4	403	618	699	590	592	631	863	1097	877	902	311	
Citations per publication	1.20	1.74	2.27	1.87	2.08	1.79	1.89	1.67	1.21	1.05	0.31	
H index	18	21	20	15	16	14	12	14	12	12	6	
Pubs with nil citations (to 2011)	146	133	101	120	107	161	224	369	450	590	865	
%pubs with nil citations	43.45%	37.46%	32.79%	38.10%	37.68%	45.61%	49.02%	56.16%	61.98%	68.37%	85.73%	
<b>Panel 3</b>												
Pubs in Medicine, immunology and microbiology	192	184	151	210	206	242	345	352	408	503	527	274%
Citations to yr+4	1,039	823	1,081	1,663	2,075	2,450	3,284	2,808	2,741	1,610	792	
Citations per publication	5.41	4.47	7.16	7.92	10.07	10.12	9.52	7.98	6.72	3.20	1.50	
H index	28	25	26	29	31	32	31	27	23	15	14	
Pubs with nil citations (to 2011)	64	62	32	41	28	59	73	88	118	202	322	
%pubs with nil citations	33.33%	33.70%	21.19%	19.52%	13.59%	24.38%	21.16%	25.00%	28.92%	40.16%	61.10%	
<b>Panel 4</b>												
Medical etc publications without non-Bangladeshi authors	107	127	91	73	70	92	114	152	186	221	199	186%
Citations to yr+4	148	250	342	185	183	213	290	270	365	234	76	
Citations per publication	1.38	1.97	3.76	2.53	2.61	2.32	2.54	1.78	1.96	1.06	0.38	
H index	11	14	17	12	10	10	9	8	10	6	4	
Pubs with nil citations (to 2011)	59	61	29	34	19	41	62	72	98	145	162	
%pubs with nil citations	55.14%	48.03%	31.87%	46.58%	27.14%	44.57%	54.39%	47.37%	52.69%	65.61%	81.41%	
<b>Panel 5</b>												
Pubs in agriculture and biology	126	136	119	141	140	175	251	303	305	346	438	348%
Citations to yr+4	328	349	515	689	617	972	915	1056	863	882	446	
Citations per publication	2.60	2.57	4.33	4.89	4.41	5.55	3.65	3.49	2.83	2.55	1.02	
H index	19	17	16	19	18	20	15	13	12	11	7	
Pubs with nil citations (to 2011)	41	38	28	33	38	39	86	103	106	152	286	
%pubs with nil citations	32.54%	27.94%	23.53%	23.40%	27.14%	22.29%	34.26%	33.99%	34.75%	43.93%	65.30%	

### Panel 6

Pubs in agriculture and biology without non-Bangladeshi authors	80	80	66	51	56	54	135	157	124	155	157	196%
Citations to yr+4	86	84	52	40	98	117	233	256	187	267	94	
Citations per publication	1.08	1.05	0.79	0.78	1.75	2.17	1.73	1.63	1.51	1.72	0.60	
H index	8	8	6	5	6	7	7	8	6	6	3	
Pubs with nil citations (to 2011)	35	32	22	26	28	19	63	72	57	91	125	
%pubs with nil citations	43.75%	40.00%	33.33%	50.98%	50.00%	35.19%	46.67%	45.86%	45.97%	58.71%	79.62%	

### Panel 7

Pubs in social science, economics and business	53	48	48	67	66	82	116	129	130	188	222	419%
Citations to yr+4	185	112	290	389	203	444	400	519	351	283	94	
Citations per publication	3.49	2.33	6.04	5.81	3.08	5.41	3.45	4.02	2.70	1.51	0.42	
H index	15	12	13	15	10	13	10	12	8	7	5	
Pubs with nil citations (to 2011)	11	11	17	13	24	30	56	53	67	113	177	
%pubs with nil citations	20.75%	22.92%	35.42%	19.40%	36.36%	36.59%	48.28%	41.09%	51.54%	60.11%	79.73%	

### Panel 8

Pubs in social science etc without non-Bangladeshi authors	32	36	27	37	38	39	64	61	63	92	108	338%
Citations to yr+4	49	66	27	71	62	49	43	66	60	54	11	
Citations per publication	1.53	1.83	1.00	1.92	1.63	1.26	0.67	1.08	0.95	0.59	0.10	
H index	9	10	5	7	6	5	4	3	4	3	1	
Pubs with nil citations (to 2011)	9	11	14	11	19	21	43	37	44	65	98	
%pubs with nil citations	28.13%	30.56%	51.85%	29.73%	50.00%	53.85%	67.19%	60.66%	69.84%	70.65%	90.74%	

### Panel 9

Bangladesh top 10 collaborators	2000-2010		2000-2007	
	Number of articles	Ranking	Number of articles	Ranking
Japan	1512	1	842	1
United States	1413	2	817	2
United Kingdom	919	3	547	3
India	464	4	280	4
Australia	393	5	180	5
Malaysia	346	6	125	9
Canada	313	7	149	8
Sweden	303	8	163	7
South Korea	301	9	119	10
Germany	295	10	169	6

### ANNEX C: SCOPUS DATA, KENYA

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Growth 2000-2010
<b>Panel 1</b>												
All Publications	573	610	684	809	804	864	989	1,153	1,206	1,344	1,472	257%
(of which, articles, reviews and conf paper	545	586	636	775	751	815	946	1,087	1,140	1,269	1,271	233%
Citations in publicn yr to yr+4 (to 2 Sep 20	4,719	4,017	4,522	6,640	7,168	8,708	8,592	9,993	8,213	5,553	2,784	
Citations per publication	8.24	6.59	6.61	8.21	8.92	10.08	8.69	8.67	6.81	4.13	1.89	
H-index	54	49	45	49	48	43	41	38	34	24	19	
Pubs with nil citations (to 2011)	53	58	86	90	117	141	148	228	271	400	739	
% pubs with nil citations	9.25%	9.51%	12.57%	11.12%	14.55%	16.32%	14.96%	19.77%	22.47%	29.76%	50.20%	
<b>Panel 2</b>												
All Publications without non-African author	267	325	387	289	291	339	375	482	503	553	570	213%
Citations to yr+4	830	1019	1538	848	951	1214	1393	1751	1349	823	323	
Citations per publication	3.11	3.14	3.97	2.93	3.27	3.58	3.71	3.63	2.68	1.49	0.57	
H index	26	24	26	21	19	20	17	16	14	10	6	
Pubs with nil citations (to 2011)	41	49	72	79	87	97	111	151	200	268	411	
%pubs with nil citations	15.36%	15.08%	18.60%	27.34%	29.90%	28.61%	29.60%	31.33%	39.76%	48.46%	72.11%	
												% Total 2000
												% total 2010
<b>Panel 3</b>												
Pubs in Medicine, immunology and microb	191	190	197	292	334	319	377	440	561	648	707	370%
Citations to yr+4	3,069	2,286	2,382	3,753	4,646	5,797	5,329	6,178	5,434	3,799	2,096	
Citations per publication	16.07	12.03	12.09	12.85	13.91	18.17	14.14	14.04	9.69	5.86	2.96	
H index	45	41	38	44	44	40	39	35	31	22	19	
Pubs with nil citations (to 2011)	12	11	20	15	37	27	25	44	75	134	265	
%pubs with nil citations	6.28%	5.79%	10.15%	5.14%	11.08%	8.46%	6.63%	10.00%	13.37%	20.68%	37.48%	
<b>Panel 4</b>												
Medical etc publications without non-Africa	54	92	77	46	75	78	61	101	173	198	190	352%
Citations to yr+4	245	602	703	263	338	427	312	621	571	347	139	
Citations per publication	4.54	6.54	9.13	5.72	4.51	5.47	5.11	6.15	3.30	1.75	0.73	
H index	16	22	21	13	13	14	10	12	13	8	5	
Pubs with nil citations (to 2011)	10	10	13	7	27	18	17	37	56	96	128	
%pubs with nil citations	18.52%	10.87%	16.88%	15.22%	36.00%	23.08%	27.87%	36.63%	32.37%	48.48%	67.37%	
<b>Panel 5</b>												
Pubs in agriculture and biology	211	267	282	295	260	315	399	406	422	473	522	247%
Citations to yr+4	1098	1398	1920	2033	2069	3515	2595	2924	2560	2284	782	
Citations per publication	5.20	5.24	6.81	6.89	7.96	11.16	6.50	7.20	6.07	4.83	1.50	
H index	31	31	31	32	31	28	24	23	22	20	12	
Pubs with nil citations (to 2011)	21	25	31	21	26	39	55	66	100	129	287	
%pubs with nil citations	9.95%	9.36%	10.99%	7.12%	10.00%	12.38%	13.78%	16.26%	23.70%	27.27%	54.98%	

**Panel 6**

Pubs in agriculture and biology without non-Africans	92	184	150	101	86	126	170	171	173	181	212	230%
Citations to yr+4	313	759	768	281	324	562	719	685	467	374	122	
Citations per publication	3.40	4.13	5.12	2.78	3.77	4.46	4.23	4.01	2.70	2.07	0.58	
H index	18	21	20	12	15	15	13	14	11	8	5	
Pubs with nil citations (to 2011)	16	21	24	15	18	26	41	44	68	70	151	
%pubs with nil citations	17.39%	11.41%	16.00%	14.85%	20.93%	20.63%	24.12%	25.73%	39.31%	38.67%	71.23%	

**Panel 7**

Pubs in social science, economics and business	63	75	85	73	86	120	102	144	151	204	253	402%
Citations to yr+4	318	351	749	455	635	1944	533	889	856	972	477	11%
Citations per publication	5.05	4.68	8.81	6.23	7.38	16.20	5.23	6.17	5.67	4.76	1.89	17%
H index	16	15	17	19	17	19	15	17	13	13	12	
Pubs with nil citations (to 2011)	13	15	21	23	15	40	33	34	48	90	155	
%pubs with nil citations	20.63%	20.00%	24.71%	31.51%	17.44%	33.33%	32.35%	23.61%	31.79%	44.12%	61.26%	

**Panel 8**

Pubs in social science etc without non-Africans	34	52	56	40	49	58	46	83	84	160	111	326%
Citations to yr+4	78	99	406	73	79	87	81	236	179	293	53	
Citations per publication	2.29	1.90	7.25	1.83	1.61	1.50	1.76	2.84	2.13	1.83	0.48	
H index	8	9	13	7	7	7	6	8	7	8	3	
Pubs with nil citations (to 2011)	10	15	18	20	21	28	24	27	41	79	81	
%pubs with nil citations	29.41%	28.85%	32.14%	50.00%	42.86%	48.28%	52.17%	32.53%	48.81%	49.38%	72.97%	

### ANNEX D: SCOPUS DATA, MALAWI

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Growth 2000-2010
<b>Panel 1</b>												
All Publications	109	113	112	81	96	111	127	177	196	168	202	185%
(of which, articles, reviews and conf papers)	102	98	99	79	88	104	112	162	181	163	192	188%
Citations in publicn yr to yr+4 (to 2 Sep 2011)	1,010	777	864	802	994	924	1,356	1,710	1,433	887	504	
Citations per publication	9.27	6.88	7.71	9.90	10.35	8.32	10.68	9.66	7.31	5.28	2.50	
H-index	24	24	25	21	23	19	23	21	17	15	10	
Pubs with nil citations (to 2011)	7	14	16	4	8	7	20	28	41	41	87	
% pubs with nil citations	6.42%	12.39%	14.29%	4.94%	8.33%	6.31%	15.75%	15.82%	20.92%	24.40%	43.07%	
<b>Panel 2</b>												
All Publications without non-African authors	43	62	58	39	39	35	35	63	68	52	63	147%
Citations to yr+4	135	191	203	114	120	105	169	360	172	144	32	
Citations per publication	3.14	3.08	3.50	2.92	3.08	3.00	4.83	5.71	2.53	2.77	0.51	
H index	12	10	13	9	9	7	8	10	8	6	3	
Pubs with nil citations (to 2011)	4	11	11	3	5	3	13	15	20	23	47	
%pubs with nil citations	9.30%	17.74%	18.97%	7.69%	12.82%	8.57%	37.14%	23.81%	29.41%	44.23%	74.60%	
												% Total 2000      % Total 2010
<b>Panel 3</b>												
Pubs in Medicine, immunology and microbiology	69	75	77	49	70	79	83	116	143	119	156	226%
Citations to yr+4	907	713	748	690	908	797	1,116	1,440	1,146	728	467	
Citations per publication	13.14	9.51	9.71	14.08	12.97	10.09	13.45	12.41	8.01	6.12	2.99	
H index	23	24	23	20	22	18	21	20	15	14	10	
Pubs with nil citations (to 2011)	2	7	10	1	4	5	6	12	32	22	59	
%pubs with nil citations	2.90%	9.33%	12.99%	2.04%	5.71%	6.33%	7.23%	10.34%	22.38%	18.49%	37.82%	
<b>Panel 4</b>												
Medical etc publications without non-African authors	23	36	35	18	26	20	17	37	44	29	40	174%
Citations to yr+4	116	142	167	70	96	54	123	324	89	112	15	
Citations per publication	5.04	3.94	4.77	3.89	3.69	2.70	7.24	8.76	2.02	3.86	0.38	
H index	10	9	11	8	9	5	7	9	5	6	2	
Pubs with nil citations (to 2011)	1	8	7	1	2	3	2	8	17	11	37	
%pubs with nil citations	4.35%	22.22%	20.00%	5.56%	7.69%	15.00%	11.76%	21.62%	38.64%	37.93%	92.50%	
<b>Panel 5</b>												
Pubs in agriculture and biology	26	21	16	16	11	15	27	29	26	17	37	142%
Citations to yr+4	88	69	85	99	44	89	129	210	143	89	63	
Citations per publication	3.38	3.29	5.31	6.19	4.00	5.93	4.78	7.24	5.50	5.24	1.70	
H index	10	7	8	8	3	6	7	8	7	4	6	
Pubs with nil citations (to 2011)	1	1	1	0	1	2	4	8	3	4	19	
%pubs with nil citations	3.85%	4.76%	6.25%	0.00%	9.09%	13.33%	14.81%	27.59%	11.54%	23.53%	51.35%	

**Panel 6**

Pubs in agriculture and biology without non-African authors	10	8	7	6	4	4	7	8	7	5	17
Citations to yr+4	26	12	14	17	17	14	26	17	15	8	18
Citations per publication	2.60	1.50	2.00	2.83	4.25	3.50	3.71	2.13	2.14	1.60	1.06
H index	5	3	3	3	2	2	4	2	2	1	2
Pubs with nil citations (to 2011)	1	1	1	0	1	0	3	5	2	2	9
%pubs with nil citations	10.00%	12.50%	14.29%	0.00%	25.00%	0.00%	42.86%	62.50%	28.57%	40.00%	52.94%

170%

**Panel 7**

Pubs in social science, economics and business	3	9	10	7	10	8	13	32	22	28	28
Citations to yr+4	8	36	34	16	30	16	55	243	73	93	50
Citations per publication	2.67	4.00	3.40	2.29	3.00	2.00	4.23	7.59	3.32	3.32	1.79
H index	2	4	5	4	4	4	4	7	4	6	4
Pubs with nil citations (to 2011)	1	2	1	0	2	1	6	8	5	9	9
%pubs with nil citations	33.33%	22.22%	10.00%	0.00%	20.00%	12.50%	46.15%	25.00%	22.73%	32.14%	32.14%

933%

3%

14%

**Panel 8**

Pubs in social science etc without non-African authors	2	8	6	5	5	4	5	15	10	12	7
Citations to yr+4	0	21	9	6	12	8	6	82	15	36	2
Citations per publication	0.00	2.63	1.50	1.20	2.40	2.00	1.20	5.47	1.50	3.00	0.29
H index	1	3	3	3	3	2	1	4	2	3	1
Pubs with nil citations (to 2011)	1	2	0	1	1	1	4	6	3	5	5
%pubs with nil citations	50.00%	25.00%	0.00%	20.00%	20.00%	25.00%	80.00%	40.00%	30.00%	41.67%	71.43%

350%

### SCOPUS DATA, PAKISTAN

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Growth 2000-2010
<b>Panel 1</b>												
All Publications	1,175	1,299	1,425	1,539	1,897	2,511	3,119	3,750	4,705	5,756	6,985	594%
(of which, articles, reviews and conf papers)	1,124	1,224	1,346	1,431	1,765	2,356	2,973	3,599	4,544	5,587	6,709	597%
Citations in publicn yr to yr+4 (to 2 Sep 2011)	2,845	3,087	3,576	7,026	7,192	6,646	13,073	17,034	16,961	11,958	5,859	
Citations per publication	2.53	2.52	2.66	4.91	4.07	2.82	4.40	4.73	3.73	2.14	0.87	
H-index	40	39	37	41	44	40	42	42	37	28	17	
Pubs with nil citations (to 2011)	397	483	474	423	586	756	1016	1,356	1,925	2,879	4,778	
% pubs with nil citations	35.32%	39.46%	35.22%	29.56%	33.20%	32.09%	34.17%	37.68%	42.36%	51.53%	71.22%	
<b>Panel 2</b>												
All Publications without non-Pakistani authors	886	1,046	1,145	1,075	1,383	1,874	2,202	2,581	3,239	4,016	4,693	530%
Citations to yr+4	1,188	1,370	2,083	2,443	3,303	4,476	6,844	8,792	8,155	6,288	2,659	75%
Citations per publication	1.34	1.31	1.82	2.27	2.39	2.39	3.11	3.41	2.52	1.57	0.57	
H index	26	27	29	26	29	29	29	29	27	20	11	
Pubs with nil citations (to 2011)	365	463	439	351	414	734	803	1029	1478	2204	3437	
%pubs with nil citations	41.20%	44.26%	38.34%	32.65%	29.93%	39.17%	36.47%	39.87%	45.63%	54.88%	73.24%	
<b>Panel 3</b>												
Pubs in Medicine, immunology and microbiology	483	631	634	636	791	924	971	1,056	1,421	1,817	2,086	432%
Citations to yr+4	1,291	1,200	1,353	2,371	2,905	4,014	4,385	4,936	6,037	3,921	2,092	41%
Citations per publication	2.67	1.90	2.13	3.73	3.67	4.34	4.52	4.67	4.25	2.16	1.00	30%
H index	30	24	25	28	28	32	27	28	29	22	13	
Pubs with nil citations (to 2011)	198	303	274	171	205	265	287	399	626	994	1446	
%pubs with nil citations	40.99%	48.02%	43.22%	26.89%	25.92%	28.68%	29.56%	37.78%	44.05%	54.71%	69.32%	
<b>Panel 4</b>												
Medical etc publications without non-Pakistani aut	397	558	565	508	615	716	717	830	1,081	1,429	1,605	404%
Citations to yr+4	449	538	748	972	1,412	1,719	2,180	2,121	1,913	1,583	711	82%
Citations per publication	1.13	0.96	1.32	1.91	2.30	2.40	3.04	2.56	1.77	1.11	0.44	77%
H index	16	18	17	18	20	18	19	18	15	12	7	
Pubs with nil citations (to 2011)	195	296	269	153	185	228	246	359	547	890	1,244	
%pubs with nil citations	49.12%	53.05%	47.61%	30.12%	30.08%	31.84%	34.31%	43.25%	50.60%	62.28%	77.51%	

											% Grand Total 2000	% Grand total 2010
<b>Panel 5</b>												
Pubs in agriculture and biology	169	156	225	265	276	350	640	843	915	1,074	1,414	837%
Citations to yr+4	330	475	650	935	1,217	1,078	2,288	3,464	3,154	2,635	970	14%
Citations per publication	1.95	3.04	2.89	3.53	4.41	3.08	3.58	4.11	3.45	2.45	0.69	20%
H index	19	23	22	23	21	19	20	22	19	14	9	
Pubs with nil citations (to 2011)	41	25	47	62	75	96	178	251	277	414	938	
%pubs with nil citations	24.26%	16.03%	20.89%	23.40%	27.17%	27.43%	27.81%	29.77%	30.27%	38.55%	66.34%	
												Indigenous %2000
<b>Panel 6</b>												Indigenous %2010
Pubs in agriculture and biology without non-Pakist	118	112	168	172	207	261	508	640	694	811	1,056	895%
Citations to yr+4	150	223	302	407	563	625	1,301	2,008	1,796	1,506	598	70%
Citations per publication	1.27	1.99	1.80	2.37	2.72	2.39	2.56	3.14	2.59	1.86	0.57	75%
H index	15	15	15	17	17	14	16	17	14	11	6	
Pubs with nil citations (to 2011)	37	24	42	43	63	79	160	207	229	435	726	
%pubs with nil citations	31.36%	21.43%	25.00%	25.00%	30.43%	30.27%	31.50%	32.34%	33.00%	53.64%	68.75%	
												% Grand Total 2000
<b>Panel 7</b>												% Grand total 2010
Pubs in physical sciences and engineering	421	422	476	567	735	1,071	1,493	1,864	2,404	2,913	3,311	786%
Citations to yr+4	999	1,184	1,479	2,367	3,119	3,489	6,323	8,560				36%
Citations per publication	2.37	2.81	3.11	4.17	4.24	3.26	4.24	4.59	0.00	0.00	0.00	47%
H index	27	26	27	30	32	30	32	34				
Pubs with nil citations (to 2011)	122	114	120	143	255	437	540	730				
%pubs with nil citations	28.98%	27.01%	25.21%	25.22%	34.69%	40.80%	36.17%	39.16%	0.00%	0.00%	0.00%	
												Indigenous %2000
<b>Panel 8</b>												Indigenous %2010
Pubs in physical sciences etc without non-Pakista	294	295	343	337	492	774	948	1144	1496	1825	1884	641%
Citations to yr+4	511	576	901	966	1390	2393	3085	4732	4240	2781	1285	70%
Citations per publication	1.74	1.95	2.63	2.87	2.83	3.09	3.25	4.14	2.83	1.52	0.68	57%
H index	19	18	23	22	22	21	23	27	26	18	11	
Pubs with nil citations (to 2011)	97	103	100	102	198	348	383	489	727	1066	1353	
%pubs with nil citations	32.99%	34.92%	29.15%	30.27%	40.24%	44.96%	40.40%	42.74%	48.60%	58.41%	71.82%	
												Indigenous %2010