

**The World's Herbaria 2018:**  
***A Summary Report Based on Data from Index Herbariorum***

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This document represents the third *Index Herbariorum* annual report. Reports for 2016 -2018 are available for download on the *Index Herbariorum* website (<http://sweetgum.nybg.org/science/ih/>).

The purpose of the report is to provide an annual snapshot of *Index Herbariorum* data to facilitate tracking changes over time in the number of herbaria and the specimens they hold. Participating institutions can use these data to put their own collection in a global perspective and to understand how they contribute to the worldwide effort to document plant and fungal biodiversity. Hopefully the report will also prompt herbaria to update their information regularly.

Herbaria have long had a tradition of communication and cooperation, and *Index Herbariorum* benefits greatly from this tradition. I thank the hundreds of contributors each year who make changes in their own herbaria and alert me to changes in other herbaria. The statistics provided in this report reflect the content of the database as of 1 December 2018.

#### BACKGROUND ON INDEX HERBARIORUM

International Association for Plant Taxonomy (IAPT) established *Index Herbariorum* in 1935, and published its first six editions. Dr. Patricia Holmgren, then Director of the New York Botanical Garden Herbarium, served as co-editor of edition 6, and subsequently became the senior editor. She oversaw the compilation of hard copy volumes 7 and 8, and Dr. Noel Holmgren, a member of The New York Botanical Garden's scientific staff, oversaw the development of the *Index Herbariorum* database, which became available on-line in 1997, superceding the printed version. In September 2008, Dr. Barbara M. Thiers, Director of the NYBG Herbarium, became the sole editor of the index.

#### OVERVIEW

According to the data in *Index Herbariorum* as of 1 December 2018, there are **3095** active herbaria in the world, containing **387,513,053** specimens. There are **178** countries with at least one herbarium. Associated with these herbaria are **12,278** staff members and associates. During the past year, **69** new herbaria with **576,627** specimens were added to *Index Herbariorum*, and **12** herbaria were reported as discontinued. 2018 was the first full year for self-registration and self-update protocol whereby herbarium administrators make changes to the records for their own collections and associated staff, and new herbaria submit their own record entry.

## SUMMARY TABLES AND GRAPHS

The tables and charts included here reflect the most requested types of summary information from *Index Herbariorum*. The regions into which countries are grouped in these reports follows R. K. Brummitt's World *Geographical Scheme for Recording Plant Distributions*, ed. 2. 2001 for the most part, except that Russia former members of the Soviet Union are all included under Temperate Asia

### I. Summary of herbaria by Region and Country

Region	Country	Herbaria	Specimens	Staff & Associates
EUROPE				
	Andorra	1	1,068	1
	Austria	19	10,463,710	112
	Belgium	10	5135,518	57
	Bosnia and Herzegovina	1	110,000	1
	Bulgaria	4	420,650	25
	Croatia	11	374,884	29
	Cyprus	2	13,069	6
	Czech Republic	45	8,362,868	139
	Denmark	2	3,600,000	33
	Estonia	7	1,062,406	31
	Finland	11	5,482,701	64
	France	76	25,962,993	167
	Germany	70	22,159,950	241
	Greece	10	544,840	35
	Hungary	13	2,672,414	37
	Iceland	2	164,000	5
	Ireland	6	920,517	12
	Isle of Man	1	3,000	1
	Italy	78	11,554,153	305
	Latvia	7	581,600	26
	Lithuania	4	467,100	24
	Luxembourg	1	50,000	7
	Macedonia	5	256,430	15
	Malta	1	10,000	1
	Montenegro	1	10,000	1
	Netherlands	15	7,431,419	60
	Norway	7	3,367,000	32
	Poland	32	5,253,533	199

Portugal	18	1,899,801	73
Romania	14	2,842,984	38
Serbia & Montenegro	3	720,000	25
Slovakia	17	1,228,905	74
Slovenia	4	220,000	8
Spain	56	6,185,254	376
Sweden	10	11,873,000	56
Switzerland	17	12,018,500	81
U.K.	107	22,306,427	365
<b>TOTAL</b>	<b>37</b>	<b>688</b>	<b>175,730,694</b>
			<b>2762</b>

AFRICA

Algeria	3	377,365	5
Angola	3	125,000	2
Benin	2	22,000	7
Botswana	5	34,479	11
Burkina Faso	3	20,940	17
Burundi	1	20,000	3
Cameroon	3	137,000	11
Central African Republic	1	10,000	5
Comoros	1	5,066	5
Congo Republic (Congo-Brazzaville)	1	40,300	1
Democratic Republic of the Congo	10	277,894	44
Djibouti	1	172	4
Egypt	14	733,500	92
Equatorial Guinea	1	8,000	2
Ethiopia	4	172,580	16
Gabon	1	65,000	9
Ghana	4	102,052	9
Ivory Coast	3	62,650	8
Kenya	2	1,300,000	17
Lesotho	3	21,600	10
Liberia	1	7,000	0
Libya	2	50,000	10
Madagascar	4	111,000	7
Malawi	1	100,000	13
Mali	1	6,400	4
Mauritania	1	6,200	3
Mauritius	1	25,000	1
Mayotte	1	4,500	2

Morocco	5	215,500	19
Mozambique	2	125,500	14
Namibia	1	94,000	7
Nigeria	9	200,050	26
Republic of Guinea	2	21,650	4
Réunion	1	11500	6
Rwanda	1	16,702	2
São Tomé e Príncipe	1	1,500	3
Senegal	1	12,000	2
Seychelles	1	3,081	1
Sierra Leone	2	62,000	3
Somalia	1	300	1
South Africa	46	3,299,993	142
Sudan	3	40,500	6
Swaziland	1	7,200	3
Tanzania	7	248645	19
Togo	1	21,000	2
Uganda	4	131,767	5
Zambia	4	111,000	19
Zimbabwe	5	540,636	20
<b>subtotal</b>	<b>48</b>	<b>176</b>	<b>9,010,222</b>
<b>622</b>			

TEMPERATE ASIA

Afghanistan	2	33,609	1
Armenia	4	576,820	23
Azerbaijan	1	600,000	2
Belarus	5	528,156	46
Bhutan	1	15,000	6
Georgia	7	1,398,821	23
Iran	38	1,108,482	130
Iraq	10	177,931	30
Israel	5	762,720	12
Japan	69	12,334,980	233
Jordan	2	10,490	6
Kazakhstan	4	693,000	21
Kuwait	1	20,000	5
Kyrgyzstan	1	400,000	2
Lebanon	1	68,000	1
Moldova	2	221,200	2
Mongolia	1	138,000	1
Nepal	2	181,800	23
Oman	3	21331	5
Palestinian Territories	1	755	2

People's Republic of China	355	20,085,018	1,429
Republic of Korea	39	2,794,981	166
Russia	116	15,937,399	493
Saudi Arabia	6	113,500	17
Taiwan	15	1,442,040	67
Tajikistan	1	30,000	3
Turkey	48	1,099,232	249
Turkmenistan	1	135,000	2
Ukraine	23	4,059,692	114
United Arab Emirates	2	20,000	3
Uzbekistan	2	1,506,000	5
Yemen	1	5,500	3
<b>subtotal</b>	<b>32</b>	<b>769</b>	<b>66,519,457</b>

#### TROPICAL ASIA

Bangladesh	1	1,000,000	13
Brunei Darussalam	2	90,000	5
Cambodia	1	12,500	5
India	88	5,363,459	422
Indonesia	10	2,200,917	57
Laos	2	8,700	7
Malaysia	13	920,475	66
Myanmar	5	1,886,450	3
Pakistan	20	650,100	67
Papua New Guinea	4	327,093	9
Philippines	17	477,294	61
Singapore	2	783,695	20
Sri Lanka	2	132,000	3
Thailand	14	627,894	115
Vietnam	14	569,137	122
<b>subtotal</b>	<b>15</b>	<b>195</b>	<b>15,049,714</b>

#### AUSTRALIA & NEW ZELAND

Australia	36	8,326,627	240
New Zealand	12	160,612	67
<b>subtotal</b>	<b>2</b>	<b>48</b>	<b>9,932,747</b>

#### PACIFIC

Fiji	1	40,000	1
French Polynesia	2	20,000	3
Guam	2	60,775	4
New Caledonia	1	80,000	7
Republic of Palau	2	3,750	3

Solomon Islands	1	35,000	3
Tonga	1	3,030	2
Vanuatu	1	6,000	2
<b>subtotal</b>	<b>8</b>	<b>11</b>	<b>248,555</b>
<b>NORTH AMERICA</b>			
Canada	87	9,257,766	212
Greenland	1	500	0
Mexico	64	5,071,079	385
U.S.A.	659	76,530,922	1696
<b>subtotal</b>	<b>4</b>	<b>811</b>	<b>90,860,26790</b>
<b>CARIBBEAN, CENTRAL AMERICA AND SOUTH AMERICA</b>			
Argentina	47	4,910,833	496
Bahamas	1	7,215	6
Barbados	1	5,000	1
Belize	1	10,000	2
Bolivia	4	410,000	37
Brazil	168	8,149,176	876
Cayman Islands	1	1,369	1
Chile	16	545,431	57
Colombia	34	1,586,208	126
Costa Rica	6	642,200	35
Cuba	12	807,527	95
Dominican Republic	3	175,045	10
Ecuador	16	768,661	60
El Salvador	3	83,000	6
Falkland Islands	1	1,135	1
French Guiana	1	170,000	7
Guadeloupe	1	10,000	2
Guatemala	6	138,903	39
Guyana	3	57,850	5
Haiti	1	7,216	1
Honduras	5	309,621	10
Jamaica	2	161,600	4
Nicaragua	3	42,500	11
Panama	4	138,242	16
Paraguay	4	132,500	18
Peru	20	871,295	106
Puerto Rico	5	167,430	9
Suriname	1	37,000	1
Trinidad	1	70,000	4
Uruguay	5	217,000	30
Venezuela	20	1,024,092	96

	Virgin Islands, U.S.A.	1	3,333	1
<b>subtotal</b>	<b>32</b>	<b>398</b>	<b>20,161,397</b>	<b>2169</b>
<b>Grand Total</b>	<b>178</b>	<b>3,095</b>	<b>387,513,053</b>	<b>12,178</b>

## II. The Largest Herbaria in the World

This list includes those herbaria that fall within the top 100 size classes. The list includes all herbaria with more than 450,000 specimens.

Rank	Organization	Code	Country	Total	Date Founded
	Muséum National d'Histoire Naturelle	P	France	8,000,000	1635
1	The New York Botanical Garden	NY	U.S.A.	7,800,000	1891
2	Royal Botanic Gardens	K	U.K.	7,000,000	1852
3	Naturalis <sup>1</sup>	<i>L, Wag, U</i>	Netherlands	6,900,000	1829
4	Missouri Botanical Garden	MO	U.S.A.	6,600,000	1859
	Conservatoire et Jardin botaniques de la Ville de Genève	G	Switzerland	6,000,000	1824
6	Komarov Botanical Institute of RAS	LE	Russia	6,000,000	1823
	Naturhistorisches Museum Wien	W	Austria	5,500,000	1807
7	The Natural History Museum	BM	U.K.	5,200,000	1753
8	Smithsonian Institution	US	U.S.A.	5,100,000	1848
9	Harvard University <sup>2</sup>	<i>HUH</i>	U.S.A.	5,005,000	1842
10	Natural History Museum	FI	Italy	5,000,000	1842
	Swedish Museum of Natural History	S	Sweden	4,570,000	1739
12	Université Claude Bernard	LY	France	4,400,000	1924
13	Botanic Garden Meise	BR	Belgium	4,000,000	1870
	Botanischer Garten und Botanisches Museum Berlin-Dahlem	B	Germany	3,800,000	1815
15	Université de Montpellier	MPU	France	3,500,000	1809
	Friedrich-Schiller-Universität Jena	JE	Germany	3,500,000	1896
16	University of Helsinki	H	Finland	3,350,501	1751
	Botanische Staatssammlung München	M	Germany	3,200,000	1813
17	Museum of Evolution	UPS	Sweden	3,100,000	1785
	Royal Botanic Garden Edinburgh	E	U.K.	3,000,000	1839
20	University of Copenhagen	C	Denmark	2,900,000	1759
	Field Museum of Natural History	F	U.S.A.	2,700,000	1893

	Institute of Botany, Chinese Academy of Sciences	PE	People's Republic of China	2,650,000	1928
23	Lund University	LD	Sweden	2,500,000	1770
24	California Academy of Sciences	CAS	U.S.A.	2,300,000	1853
25	M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine	KW	Ukraine	2,263,207	1921
26	Charles University in Prague	PRC	Czech Republic	2,200,000	1775
27	University of California	UC	U.S.A.	2,100,000	1872
28	Hungarian Natural History Museum	BP	Hungary	2,097,424	1870
29	National Museum in Prague	PR	Czech Republic	2,000,000	1818
30	Muséum National d'Histoire Naturelle	PC	France	2,000,000	1904
30	Eidgenössische Technische Hochschule Zürich	ZT	Switzerland	2,000,000	1859
30	Botanical Survey of India	CAL	India	2,000,000	1793
30	Research Centre for Biology National Museum of Nature and Science	BO	Indonesia	2,000,000	1841
31	University of Hamburg	TNS	Japan	1,937,000	1877
32	University of Oslo	HBG	Germany	1,800,000	1879
32	University of Michigan	O	Norway	1,800,000	1863
33	University of Tokyo	MICH	U.S.A.	1,750,000	1837
34	Agriculture and Agri-Food Canada	TI	Japan	1,700,000	1877
35	Universität Zürich	DAO	Canada	1,550,000	1886
36	Academy of Science, Uzbekistan	Z	Switzerland	1,500,000	1834
36	Royal Botanic Gardens Victoria	TASH	Uzbekistan	1,500,000	1921
36	Botanical Research Institute of Texas	MEL	Australia	1,500,000	1853
37	Academy of Natural Sciences	BRIT	U.S.A.	1,482,000	1987
38	Royal Botanic Gardens & Domain Trust	PH	U.S.A.	1,430,000	1812
39	Universität Wien	NSW	Australia	1,425,000	1896
40	Real Jardín Botánico	WU	Austria	1,400,000	1879
40	Universidad Nacional Autónoma de México	MA	Spain	1,400,000	1755
40	Rancho Santa Ana Botanic Garden	MEXU	Mexico	1,400,000	1888
41	Polish Academy of Sciences	RSA	U.S.A.	1,230,000	1927
42	Senckenberg Gesellschaft für Naturforschung	KRAM	Poland	1,227,500	1867
43	South African National Biodiversity Institute	FR	Germany	1,200,000	1817
43	Kyoto University	PRE	South Africa	1,200,000	1903
43		KYO	Japan	1,200,000	1921



44	Karl-Franzens-Universität Graz	GZU	Austria	1,180,000	1900
45	Australian National Herbarium	CANB	Australia	1,124,812	1930
46	Università degli Studi di Roma La Sapienza	RO	Italy	1,120,000	1872
47	Kunming Institute of Botany, Chinese Academy of Sciences	KUN	People's Republic of China	1,114,000	1938
48	Cambridge University	CGE	U.K.	1,100,000	1761
49	Instituto Politécnico Nacional	ENCB	Mexico	1,080,000	1943
50	University of Wisconsin	WIS	U.S.A.	1,078,000	1849
51	Moscow State University State Herbarium of South Australia	MW	Russia	1,044,751	1765 or 1780
52	University of Texas at Austin	AD	Australia	1,040,000	1954
53	Staatliches Museum für Naturkunde Stuttgart	TEX	U.S.A.	1,006,000	1900
54	University of Gothenburg	STU	Germany	1,000,000	1791
54	Musée et Jardins Botaniques	GB	Sweden	1,000,000	1926
54	Cantonaux MJBC	LAU	Switzerland	1,000,000	1824
54	University of Manchester	MANCH	U.K.	1,000,000	1835
54	National Museums of Kenya Institute of Botany, Ilia State University	EA	Kenya	1,000,000	1902
54	South China Botanical Garden	TBI	Georgia People's Republic of China	1,000,000	1894
54	Hiroshima University	IBSC	China	1,000,000	1928
55	U.S. National Fungus Collections, USDA-ARS	HIRO	Japan	970,000	1929
56	University of Minnesota	BPI	U.S.A.	950,000	1869
57	University of Wyoming	MIN	U.S.A.	940,000	1890
58	University of Turku	RM	U.S.A.	937,000	1894
59	University of Turku	TUR	Finland	932,700	1919
60	Moravian Museum	TUR	Finland	932,700	1919
61	Queensland Herbarium	BRNM	Czech Republic	903,000	1818
62	Cornell University	BRI	Australia	871,571	1881
63	Jagiellonian University	BH	U.S.A.	845,000	1935
63	University of Coimbra	KRA	Poland	800,000	1780
63	Institut Botànic de Barcelona	COI	Portugal	800,000	1772
63	Saint Petersburg University	BC	Spain	800,000	1917
63	Duke University	LECB	Russia	800,000	1823
63	United States National Arboretum, USDA-ARS	DUKE	U.S.A.	800,000	1932
63	University of North Carolina at Chapel Hill	NA	U.S.A.	800,000	1934
63	University of North Carolina at Chapel Hill	NCU	U.S.A.	800,000	1903
64	Université Laval	QFA	Canada	779,000	1962
65	Universität Göttingen	GOET	Germany	750,000	1832

65	Singapore Botanic Gardens Western Australian	SING	Singapore	750,000	1880
65	Herbarium	PERTH	Australia	750,000	1929
65	Bishop Museum Jardim Botânico do Rio de	BISH	U.S.A.	750,000	1908
65	Janeiro	RB	Brazil	750,000	1890
66	Université de Montréal	MT	Canada	745,000	1920
67	Hebrew University	HUJ	Israel	725,000	1928
68	Fundación Miguel Lillo Oberösterreichischen	LIL	Argentina	720,000	1931
69	Landesmuseums	LI	Austria	700,000	1833
69	Aarhus University	AAU	Denmark	700,000	1963
69	University of Bergen Institute of Botany, Jiangsu	BG	Norway	700,000	1825
69	Academy of Sciences Instituto de Botánica	NAS	China	700,000	1923
69	Darwinion	SI	Argentina	700,000	1911
70	Brigham Young University	BRY	U.S.A.	661,100	1923
71	Babes-Bolyai University University of British	CL	Romania	660,500	1873
72	Columbia	UBC	Canada	660,000	1912
73	Iowa State University	ISC	U.S.A.	650,000	1870
73	Miami University	MU	U.S.A.	650,000	1906
73	University of Washington Manaaki Whenua - Landcare	WTU	U.S.A.	650,000	1882
74	Research	CHR	New Zealand	640,000	1928
75	Masaryk University Main Botanical Garden of the	BRNU	Czech Republic	634,000	1921
76	Russian Academy of Sciences	MHA	Russia	610,000	1958
77	Universalmuseum Joanneum	GJO	Austria	600,000	1811
77	National Museum UNIVEGE Université	PRM	Czech Republic	600,000	1818
77	Clermont Auvergne Leibniz Institute of Plant	CLF	France	600,000	1865
77	Research (IPK)	GAT	Germany	600,000	1946
77	National Botanic Gardens Università degli Studi di	DBN	Ireland	600,000	1847
77	Padova	PAD	Italy	600,000	1835
77	Azerbaijan National Academy of Sciences (ANAS)	BAK	Azerbaijan	600,000	1827
77	University of Tennessee	TENN	U.S.A.	600,000	1888
77	Museu Nacional Universidad Nacional de	R	Brazil	600,000	1831
77	Colombia	COL	Colombia	600,000	1931
78	Canadian Museum of Nature	CAN	Canada	588,000	1882
79	University of Alberta	ALTA	Canada	570,500	1916
80	Michigan State University	MSC	U.S.A.	560,000	1863

81	University of Colorado Museum	COLO	U.S.A.	553,000	1890
82	Orto Botanico dell'Università degli Studi di Palermo	PAL	Italy	550,000	1795
82	National Museum of Wales	NMW	U.K.	550,00	1912
82	Northwestern Institute of Botany	WUK	People's Republic of China	550,000	1936
83	Instituto de Botánica del Nordeste	CTES	Argentina	530,000	1965
84	Carnegie Museum of Natural History	CM	U.S.A.	525,000	1895
85	Institute of Applied Ecology, Academia Sinica	IFP	People's Republic of China	521,000	1953
86	Gradina Botanica D. Brandza	BUC	Romania	520,000	1882
86	University of Illinois	ILL	U.S.A.	520,000	1869
87	Taiwan Forestry Research Institute	TAIF	Taiwan	515,000	1904
88	Botanic Garden	SRGH	Zimbabwe	513,736	1909
89	Arizona State University	ASU	U.S.A.	513,328	1910
90	South African National Biodiversity Institute	NBG	South Africa	507,000	1933
91	National Institute of Biological Resources	KB	Republic of Korea	505,512	2005
92	University of Oulu	OULU	Finland	500,000	1959
92	Universität Tübingen	TUB	Germany	500,000	
92	Museum für Naturkunde	MSTR	Germany	500,000	1872
92	Università di Catania	CAT	Italy	500,000	1858
92	Maria Curie-Sklodowska University	LBL	Poland	500,000	1947
92	Wroclaw University	WRSL	Poland	500,000	1821
92	University of Oxford	OXF	U.K.	500,000	1621
92	Institute of Botany of the National Academy of Sciences of Armenia	ERE	Armenia	500,000	1925
92	Institute of Biology and Soil Science, Far Eastern Branch, Russian Academy of Sciences	VLA	Russia	500,000	1916
92	Tomsk State University	TK	Russia	500,000	1885
92	Ohio State University	OS	U.S.A.	500,000	1891
92	University of Arizona	ARIZ	U.S.A.	500,000	1891
92	Museo de La Plata	LP	Argentina	500,000	1887
92	Herbario CORD	CORD	Argentina	500,000	1870
92	Universidad Nacional Mayor de San Marcos	USM	Peru	500,000	1918
93	Museo Nacional de Costa Rica	CR	Costa Rica	495,000	1887
94	Natural History Museum	BEO	Serbia	490,000	1895

94	Royal Ontario Museum	TRTC	Canada	490,000	1887
95	Tohoku University	TUS	Japan	485,000	1924
96	Hattori Botanical Laboratory	NICH	Japan	480,000	1946
96	Florida Museum of Natural History	FLAS	U.S.A.	480,000	1891
96	Instituto Nacional de Tecnología Agropecuaria	BAB	Argentina	480,000	1899
96	Instituto de Botânica	SP	Brazil	480,000	1917
97	Korea National Arboretum	KH	Republic of Korea	470,900	1999
98	Slovak National Museum	BRA	Slovakia	467,394	1924
99	Université de Neuchâtel	NEU	Switzerland	455,000	
100	University of Strasbourg	STR	France	450,000	1884
100	Martin-Luther-Universität	HAL	Germany	450,000	1812
100	University of Warsaw	WA	Poland	450,000	1917
100	Tokyo Metropolitan University	MAK	Japan	450,000	1958
100	Sichuan University, Jianghong Ran	SZ	People's Republic of China	450,000	1935
100	Universidad Central de Venezuela	VEN	Venezuela	450,000	1921
<b>TOTAL</b>				<b>249,304,436</b>	

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<sup>1</sup> *Naturalis* now houses L, WAG, and U although they are curated as separate collections

<sup>2</sup> "HUH" is an informal code for the Harvard University Herbaria, which includes A, AMES, ECON, FH, GH,

<sup>3</sup> This number represents 64% of all herbarium specimens.

### III. Herbaria Newly Added in 2017

Note that herbaria newly added are not necessarily newly formed, but are those that were newly registered this year.

Region	Country	Code	Organization	Total
<u>EUROPE</u>				
	Belgium	ARWESP	Arboretum Wespelaar	1426
	France	MHNM	Muséum d'histoire naturelle de Marseille	63450
	France	PAPS	Université Paris Sud	12000
	Hungary	MMGMK	Magyar Mezőgazdasági Múzeum és Könyvtár (The Museum and Library of Hungarian Agriculture)	20000
	<u>United Kingdom</u>	<u>RCPL</u>	<u>Royal College of Physicians of London</u>	<u>5802</u>
<b>5</b>				<b>102678</b>
<u>AFRICA</u>				
	Benin	UNIPAR	University of Parakou	4000
	Ivory Coast	IBAAN	Institut Botanique Ake-Assi d'Andokoi	10000
	Nigeria	FPI	Faculty of Pharmacy, O.A.U	5550
	Somalia	HARG	Universiy of Hargeisa	300
	South Africa	SANDC	North-West University	21000
	Tanzania	DSM		56445
<b>6</b>				<b>97295</b>
<u>TEMPERATE ASIA</u>				
	Georgia	AUMH	Agricultural University of Georgia	18821
	Iran	ALBORZ	Science and Research Branch, Islamic Azad University, Tehran, Iran	1000
	Iran	Shiraz	Shiraz University	100,000
	Iran	KHAU	Khuzestan Agricultural Sciences and Natural Resources University	5000
	Iran	LUI	Lorestan University	700
	Iran	RUHK	Razi University Herbarium	2878
	Israel	IOLR	Israel Oceanographic & Limnological Research, Ltd.	820
	Japan	UTF	The University of Tokyo Forests	10130
	Palestinian Territories	PMNHH	Palestine Museum of Natural History	755
	Republic of Korea	IN	Infoboss Co. Ltd	1264
	Russia	MYX	Lomonosov Moscow State University	12000
<b>11</b>				<b>153368</b>
<u>TROPICAL ASIA</u>				
4	India	BHPL	Indian Institute of Science Education and Research-Bhopal	1000
4	India	CPUH	Career Point University Hamirpur	5000

4	Indonesia	MBY	Museum Biologi Yogyakarta Medicinal Plant and Traditional Medicinal Medicine	234
4	Indonesia	TAMA	Researc and Development Center	25000
4	Pakistan	ICPF	Islamia College Fungarium	300
4	Pakistan	PMAS	Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi, Pakistan	2500
4	Pakistan	SINDH	University of Sindh, Jamshoro	4000
4	Philippines	FEUH	Far Eastern University, Manila	3337
4	Vietnam	VAFS	Vietnamese Academy of Forest Sciences	10000
<b>9</b>				<b>51371</b>

**NORTH AMERICA**

7	Canada	BMSC	Bamfield Marine Science Centre	6591
7	Canada	SQB	Société québécoise de bryologie	10500
7	Canada	STMU	St. Mary's University, Calgary	5710
7	U.S.A.	AMWH	Amway Corporation	10
7	U.S.A.	CMBG	Coastal Maine Botanical Gardens	2000
7	U.S.A.	EWU	Eastern Washington University	9800
7	U.S.A.	MNH	Missouri Department of Conservation	1000
7	U.S.A.	PHARB	The Polly Hill Arboretum	2200
7	U.S.A.	PINN	Pinnacles National Park	1594
7	U.S.A.	SMP	The State Museum of Pennsylvania	12900
7	U.S.A.	SUNYPO	SUNY Potsdam	unknown
7	U.S.A.	PRR	Patuxent Research Refuge	5040
7	U.S.A.	JESSUP	William Jessup University	200
7	U.S.A.	SBAC	Audubon Society -- Silver Bluff Audubon Center and Sanctuary	unknown
7	U.S.A.	WVHP	West Virginia Division of Natural Resources	3300
<b>15</b>				<b>60845</b>

**CARIBBEAN, CENTRAL AMERICA AND SOUTH AMERICA**

8	Argentina	MNES	Universidad Nacional de Misiones	1540
8	Brazil	AFR	Fundação Jardim Botânico de Poços de Caldas	3300
8	Brazil	AJU	Universidade Tiradentes	1100
8	Brazil	BRBA	Universidade Federal do Oeste da Bahia	5117
8	Brazil	DVPR	Universidade Tecnológica Federal do Paraná	5500
8	Brazil	HABIT	Universidade Estadual do Maranhão/UEMA	10200
8	Brazil	HCP	Universidade Federal Rural da Amazônia	200
8	Brazil	HFC	Embrapa Florestas	10100
8	Brazil	HIPE	Jardim Botânico Municipal "Max Hablitzel" de São José	800
8	Brazil	HJ	Universidade Federal de Jataí	8000
8	Brazil	HUFSP	Universidade Federal de São Paulo	150
8	Brazil	HUIRB	Fundação de Integração, Desenvolvimento e Educação do Noroeste do Estado do Rio Grande do Sul - FIDENE / Universidade Regional do Noroeste do Estado do Rio Grande do Sul - UNIJUÍ	7700
8	Brazil	HUNI	Universidade Federal do Estado do Rio de Janeiro	

8	Brazil	MAR	Universidade Federal do Maranhão	8500
8	Brazil	MCCA	Universidade Federal de Minas Gerais	2000
8	Brazil	SLUI	Universidade Estadual do Maranhão	5500
8	Brazil	UEGQ	Universidade Estadual de Goiás	5452
8	Chile	UMCE	Universidad Metropolitana de Ciencias de la Educacion	9200
8	Colombia	HT	Herbario Tropical S.A.S.	732
8	Colombia	ICESI	Universidad ICESI	8000
8	Ecuador	UTCEC	Universidad Técnica de Cotopaxi	2500
8	Peru	HAG	Universidad Nacional Amazónica de Madre de Dios	6500
8	Peru	MHURP	Universidad Ricardo Palma	3199
<hr/>				
		<b>23</b>		<b>111070</b>
GRAND TOTAL:				
		<b>69</b>		<b>576627</b>

#### IV. Herbaria Reported as Inactive in 2017

*Note that some herbaria reported here became inactive prior to 2017, but were not reported as inactive previously.*

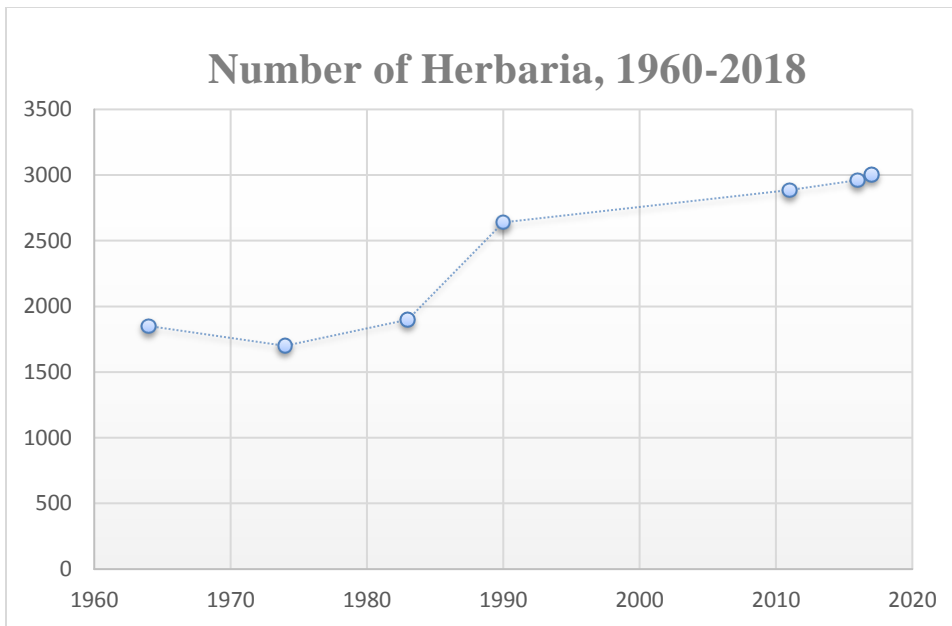
Region	Country	Code	Institution	City	Specimens	Notes/Disposition of specimens
<u>EUROPE</u>						
	Belgium	BRVU	Vrije Universiteit Brussels	Bruxelles	45000	Incorporated into BR in 2016.
	Belgium	LV	Catholic University of Leuven	Leuven	20000	Incorporated into BR in 2016. BTU no longer exists and its director D. Müller-Doblies has been retired for many years. The collections are still under the supervision of Müller-Doblies.
	Germany	BTU	Technische Universität Berlin	Berlin	21000	
	United Kingdom	CHEL	Chelsea Physic Garden	London	1400	Transferred to BM.
<u>TEMPERATE ASIA</u>						
	Georgia	TBIP	Research Institute of Plant Protection	Tbilisi	unknown	Collections transferred to AUMH.
<u>AUSTRALIA &amp; NEW ZEALAND</u>						
	Australia	ADT	Antarctic Division	Kingston	25000	Collections transferred to AD
<u>NORTH AMERICA</u>						
	Canada	CCO	Carleton University Botanical Research Center	Ottawa	unknown	Fungi transferred to DAOM; lichens to CANL; algae to CANA; bryophytes to CANM; vascular plants to DAO. Collection transferred to SAT
	U.S.A.	BRCH	University of Arizona South, Agricultural Extension Service	Sierra Vista	unknown	Collection incorporated into ASU
	U.S.A.	DSUM	Dakota State University	Madison	unknown	DSUM has been transferred to BHSC.
	U.S.A.	HALA	University of Alabama	Huntsville	3200	Permanently transferred to UWAL
	U.S.A.	BEREA	Berea College	Richmond	21500	Collections transferred to EKY



## V. Change in the Number of Active Herbaria Over Time

Currently there are limited data points for tracking changes in the number of herbaria over time. The totals given in print editions of *Index Herbariorum* provide the data for the years 1964, 1974, 1983 and 1990. This total is updated in annual *World's Herbaria* reports henceforth.

Year	# herbaria	Data Source
1964	1850	<i>Index Herbariorum</i> ed. 5
1974	1700	<i>Index Herbariorum</i> ed. 6
1983	1900	<i>Index Herbariorum</i> ed. 7
1990	2639	<i>Index Herbariorum</i> ed. 7
2011	2885	Archived dataset for IBC 2011 presentation
2016	2962	Archived dataset for <i>World's Herbaria 2016</i>
2017	3001	Archived dataset for <i>World's Herbaria 2017</i>
2018	3095	Archived dataset for <i>World's Herbaria 2018</i>



## V. Change in the Number of Specimens Held in Herbaria Over Time

Year	# Specimens	Data Source
1964	149,000,000	<i>Index Herbariorum</i> ed. 5
1983	227,000,000	<i>Index Herbariorum</i> ed. 7
1990	272,000,000	<i>Index Herbariorum</i> ed. 7
2011	360,000,000	Archived dataset for IBC presentation
2016	381,000,000	Archived dataset for <i>World's Herbaria 2016</i>
2017	387,007,790	Archived dataset for <i>World's Herbaria 2017</i>
2018	387,513,053	Archived dataset for <i>World's Herbaria 2018</i>

