

## Accessions to the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki, in 2020

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The herbarium accessions amount to 20,000 specimens, including 10,578 phanerogams and pteridophytes, 1,094 specimens of bryophytes, 3 specimens of algae, 6,391 specimens of fungi and 1,934 specimens of lichens. Some details of noteworthy accessions are given here.

The accessions comprise 20,000 specimens incorporated in the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki (acronym H) in 2020 (10,578 specimens in the Vascular Plant Herbaria, 1,094 specimens in the Bryological Herbaria, 3 specimens in the Algal Herbarium and 8,325 specimens in the Mycological Herbaria). The material has been received from the staff of the Museum and from other institutions, and as donations from private persons, or their reliquiae (marked "reliq."). The Botanical Museum offers the sincerest thanks to all donors. A considerable number of specimens has been obtained by exchange ("e"). The total number of specimens in the systematic collections of H at the end of 2020 was 3,413,629; 1,728,782 of them are phanerogams, 95,204 pteridophytes, 2,509 zooecidia, 623,310 bryophytes, 25,839 algae, 459,558 lichenized fungi and 478,427 non-lichenized fungi (including bacteria and viruses).

The herbarium (HEL) of the Section of Botany of the Faculty of Agriculture and Forestry of the University of Helsinki, was donated to H in 2009. The specimens have been and will be incorporated into the systematic collections during several years. In 2020, a larger amount of specimens were incorporated into the General Herbarium of the Vascular plants.

Some details of the most noteworthy accessions are given below. The italicised abbreviations *Al*, *Ab*, *N*, etc. in the lists refer to the biogeographic provinces of East Fennoscandia (map in Uotila et al., *Memoranda Soc. Fauna Flora Fennica* 77: 14. 2001) and *Ög*, *Upl*, *Tr*, *VFi* etc. to the biogeographic provinces of Sweden and Norway (map on the back cover of Jonsell, B., ed., *Flora Nordica*. 2000–). Abbreviations in capital letters used for the herbaria are according to Index Herbariorum, I: The Herbaria of the World ([sweetgum.nybg.org/science/ih/](http://sweetgum.nybg.org/science/ih/)).

Among the accessions the various systematic groups are represented as follows:

	East Fennoscandian Herbaria	General Herbaria	Total
<b>Vascular plants team</b>			
Pteridophytes	54	399	453
Spermatophytes	2,202	7,923	10,125
<b>Bryology and Mycology team</b>			
Bryophytes	263	831	1,094
Algae	2	1	3
Lichenized fungi	970	964	1,934
Non-lichenized fungi	2,685	3,706	6,391
<b>Total</b>	<b>6,176</b>	<b>13,824</b>	<b>20,000</b>

## Vascular Plant Herbaria

### East Fennoscandian Herbarium

27, mainly *N*, incl. Russia (Kpoc); Ahti, T. – 94, *N*; Alanko, P. – 83, *Ta*, incl. *Hieracium*, *Pilosella*; Alén, H. – 25, *Ab*, *N*, *Ta*, mainly *Allium oleraceum*, *A. vineale*; Åström, H. – 34, *Ab*, *N*, *Le*; Forsskål, B. (reliq.) – 124, mainly *Ab*; Fritzen, N. (reliq.) – 216, mainly *Al*, incl. *Allium oleraceum*; Hæggström, C.-A. – 40, mainly *N*, *Ta*, *Sa*; Haikonen, V. – 216, *Ka*, Russia (*Ka*, *Ik*, *Kl*); Haminan lukio, Haminna – 181, mainly *Ab–Ta*, rare casuals and neophytes; Hietanen, T. – 155, mainly *Kn*, *Obu*, *Ks*, *Lks*; Kanerva, A. – 38, Russia (*Lim*); Kozhin, M. – 131, *Al–Le*; Lahden yhteiskoulu, Lahti – 161, mainly *Ab*, *N*, *Obo*, Russia (*Kon*, *Kton*, *Kpor*); Piirainen, M. – 56, *Ta*, incl. *Taraxacum*; Ranta, Y. – 161, *Ab*, *N*, *Ta–Kl*, *Le*; Sauvonsaari, J. – 84, *N*, incl. *Hieracium*, *Pilosella*; Sennikov, A. – 45, mainly *St*, Huittinen; Suojanen, T. – 77, *A–Ka*, *Ta*, *Sa*, *Oa*; Törnroth, H. (reliq.) – 45, *N*, *Obo*, *Le*; Väre, H. – 82, *Ta*, *Sa*; Varsila, K. (reliq.)

Small numbers of specimens have been received from: Cantell, S. (reliq.); Galambosi, B.; Hakila, R.; Hämet-Ahti, L.; Hamunen, L.; Harmaja, H.; Kallion lukio, Helsinki; Hiltunen, L.; Isaksson, K. (reliq.); Kämäräinen, H.; Karjalainen, J.; Kempainen, E.; Kettunen, T.; Koistinen, J.; Kotanen, E.; Kravchenko, A.V.; Kuopio, KUO (e); Laaksonen, K.; Lampinen, R.; Lappalainen, P. (reliq.); Lehtinen, S.; Leino, S.; Lund, LD (e); Lundevall, C.-F. (reliq.); Murto, Risto; Mustiala, V.; Peltonen, E.; Räsänen, J.; Rintanen, T.; Sammas, S.; Simola, H.; Stjernberg, M.; Suominen, J. (reliq.); Tiensuu, L. (reliq.); Uotila, P.; Varkki, A.; Welling, P.; Vertio, L.

### General Herbarium

89, Brazil, Canada, Finland (cultivated), Korea (South), Russia (Asia), United States, Venezuela; Ahti, T. – 162, Kenya, Pteridophyta; Aittamäki, A.-E. – 20, Russia (Europe); Cajander, A.K. (reliq.) – 2,127, mainly Australia, Austria, Finland (cultivated), Germany, Italy, Switzerland; Helsinki, HEL – 590, Denmark (excl. Faroes and Greenland), Russia (Europe), Sweden; Helsinki, HSI – 576, Finland (cultivated); Suomalais-venäläinen koulu, Helsinki – 36, Australia; Hobart, HO (partly e) – 63, Finland (cultivated); Hyrkäs, N. – 93, Finland (cultivated); Järventausta, K. – 779, mainly Canada, Germany, Israel, Italy, Portugal (excl. Azores and Madeira), Switzerland, United States; Juva, M. (reliq.) – 50, mainly Denmark (excl. Faroes and Greenland); Kämäräinen, H. – 310, Norway (Sb); Kozhin, M. – 36, Norway, Sweden; Lahden yhteiskoulu, Lahti – 90, mainly South Africa, Sweden; Lund, LD (e) – 50, mainly Sweden; Lundevall, C.-F. (reliq.) – 80, mainly Austria, France, Germany, Italy; Mainz, MJG (e) – 299, Russia (Asia); Moscow, MW – 81, Kenya, Pteridophyta; Nairobi, EA – 50, mainly Czech Republic; Olomouc, OLM (e) – 45, Canada; Ottawa, DAO – 34, Finland (cultivated); Peltonen, E. – 23, Sweden; Räsänen, J. – 194, Fin-

land (cultivated); Saarinen, J. – 54, mainly Kyrgyzstan; Sennikov, A. – 279, mainly Russia (Asia); St Petersburg, LE – 272, Sweden; Stockholm, S (partly e) – 633, Gambia, Greece, Morocco, Norway, Portugal (excl. Azores and Madeira), Spain (Canary Islands); Tolonen, J. – 31, Switzerland; Uotila, P. – 1,046, Cape Verde, Finland (cultivated); Väre, H. – 30, mainly Austria, Croatia, Greece, Russia (Europe), Switzerland; Wien, W (e)

Small numbers of specimens have been received from: Alanko, P.; Anttonen, S.; Autio, A.; Florence, FI; Hietanen, T.; Hämet-Ahti, L.; Hyvärinen, A.; Isaksson, K.; Junnola, K.; Kasvi, A.; Keränen, H.; Kolarovic, S.; Korhonen, M.; Kotanen, E.; Kukkonen, I.; Kurki, L.; Kuusisto, K.; Lackschewitz, O. (reliq.); Lehtinen, S.; Lindholm, L.; Murto, R.; Niemi, O.; Nieminen, T.; Nummi, A.; Ojala, M.; Parkkali-Reskola, T.; Piirainen, M.; Rintanen, T.; Roi-vainen, H. (reliq.); Rosengren, C.; Ruoff, E.; incl. isotype of *Thymus jalsianus*, Sofia, SOM; Tikkala, M.; Uronen, T.; Virtanen, V.

## Bryological and Algal Herbaria

### East Fennoscandian Herbarium

*Bryophytes*. – 31, *N*, *Ta*, *Sa*; Hamari, R. – 29, *Al–N*, *St*, *Ta*, *Sb*, *Obu*, *Ks*, *Le*, *Li*; Isoviita, P. (reliq.) – 106, *Al*, *N*, *Ta*, *Sa*; Koponen, T. – 44, *Ta*, *Sa*; Varsila, K. (reliq.)

Small numbers of specimens have been received from: Ahti, T.; Hæggström, C.-A.; Kvist, G. (reliq.); Kytövuori, I.; Martikainen, T.; Peltomaa, K.; Uotila, P.; Väre, H.; Vitikainen, O.

*Algae*. Small numbers of specimens have been received from: Ahti, T.

### General Herbarium

*Bryophytes*. – 22; Ahti, T. – 44, China, Uganda; Enroth, J. – 63, Russia (Asia); Goldberg, I.L. – 50, Japan, Korea (South), T. Yamaguchi & Y. Inoue: *Bryophytes of Asia* 25: 601–625, 26: 626–650; Hiroshima, HIRO (e) – 42, mainly Norway; Isoviita, P. (reliq.) – 138, China (Jiangxi); Ji, M. – 23, Pakistan; Khan, A.S. – 297, China, France, Papua-New Guinea, Sao Tome and Principe, incl. holotype of *Philonotis norrisii*; Koponen, T. – 25, Taiwan, S.H. Lin, J.D. Yang & K.Y. Yao: *Bryophyta Taiwanica Exsiccata* 9: 126–150; Endemic Species Research Institute, Nantou (e) – 74, Malaysia, Mongolia, Philippines, Singapore; Singapore, SINU (e) – 25, Japan, Malaysia, Nepal, Pakistan, Taiwan, M. Higuchi: *Bryophyta Selecta Exsiccata* 40: 1476–1500; Tsukuba, TNS (e)

Small numbers of specimens have been received from: Akiyama, H. (e); Kukkonen, I.; Kytövuori, I.; Miettinen, O.; Pajunen, H.; San Francisco, CAS; Shevock, J.R.; Uotila, P.; Väre, H.

*Algae*. Small numbers of specimens have been received from: Tolonen, J.

The main collection areas of the material received in 2020:

	Spermato- phyta	Pterido- phyta	Bryo- phyta	Algae	Lichenized Fungi	Other Fungi	Total
Finland	2,010	52	260	2	941	2,670	5,935
Finland (cultivated)	2,809	15	0	0	0	0	2,824
Russia (Asia)	585	0	63	0	113	1,726	2,487
Sweden	855	27	1	0	48	577	1,508
Norway	359	9	43	0	70	930	1,411
United States	281	17	10	0	83	201	592
China	4	21	471	0	1	18	515
Cape Verde	373	0	0	0	0	0	373
Canada	156	13	2	0	142	33	346
Italy	327	1	0	0	2	1	331
Germany	284	3	1	0	0	18	306
Spain (Canary Islands)	243	12	2	0	5	0	262
Kenya	1	243	1	0	0	0	245
Russia (East Fennoscandia)	192	2	3	0	29	15	241
Switzerland	209	8	0	0	12	5	234
Japan	0	0	60	0	146	8	214
Greece	206	0	0	0	1	1	208
Portugal (excl. Azores and Madeira)	196	2	0	0	2	3	203
Russia (Europe)	102	2	0	0	16	44	164
Denmark (excl. Faroes and Greenland)	148	0	0	0	0	7	155
Australia	91	0	2	0	47	0	140
France	79	3	1	0	2	52	137
Israel	72	1	0	0	0	0	73
Austria	52	2	0	0	7	6	67
Czech Republic	63	3	0	0	1	0	67
Poland	30	2	0	0	0	34	66
Mongolia	0	0	51	0	13	0	64
Estonia	40	0	1	0	2	13	56
Gambia	56	0	0	0	0	0	56
Brazil	1	0	0	0	52	0	53
Kyrgyzstan	52	1	0	0	0	0	53
New Zealand	0	0	0	0	53	0	53
United Kingdom	4	1	3	0	31	14	53
Spain (excl. Canary Islands)	48	0	0	1	0	2	51
Hungary	30	1	0	0	0	0	31
Taiwan	0	0	29	0	1	0	30
Morocco	29	0	0	0	0	0	29
Guyana	0	0	2	0	26	0	28
Iceland	0	0	1	0	27	0	28
Pakistan	0	0	27	0	1	0	28
Portugal (Madeira)	18	8	0	0	0	0	26
South Africa	24	0	0	0	0	0	24
Venezuela	3	3	5	0	13	0	24
Malaysia	1	0	17	0	1	4	23
Other countries	92	1	38	0	46	9	186
<b>Total</b>	<b>10,125</b>	<b>453</b>	<b>1,094</b>	<b>3</b>	<b>1,934</b>	<b>6,391</b>	<b>20,000</b>

## Mycological Herbaria

### East Fennoscandian Herbaria

*Lichenized Fungi.* – 111, *Al–N, St–Sa, Oa, Ok, Li*, Russia (Kpoc); Ahti, T. – 32, *Ta*; Kuitunen, T. – 680, *Al–N, St–Sa, Sb, Kb, Ks, Le, Li*, incl. 13 holotypes of *Verrucaria* spp. nov.; Pykälä, J. – 31, *N, Ka, Ta, Sa*; Rintanen, T. – 24, *N, Le*; Väire, H. – 41, *Ta, Sa*; Varsila, K. (reliq.)

Small numbers of specimens have been received from: Cajander, A.K. (reliq.); Demidova, A.; Fellman, J. (reliq.); Harmaja, H.; Högnabba, F.; Isoviita, P. (reliq.); Kalliola, R. (reliq.); Kihlman, A.O. (reliq.); Kytövuori, I.; Lohtander, K.; Melekhin, A.V.; Miettinen, O.; Urbanavichene, I.N.

*Non-lichenized Fungi.* – 247, mainly *Ab*; Harmaja, H. – 86, *N*; Heiskanen, V. – 40, *Ab, Ta, Kb*; Joensuu, JOE – 22, *N*; Korhonen, A. – 128, *N, Ta*; Kotiranta, H. – 1,462, mainly *Ab, N, Tb, Obu, Ks*; Kytövuori, I. – 172, mainly *N, Tb*; Miettinen, O. – 34, *N*; Ojala, M. – 25, *N, Obo, Obu, Lks*; Oulu, OULU (e) – 283, mainly *N*; Väire, H.

Small numbers of specimens have been received from: Ahlroth, P.; Ahti, T.; Anttila, S.; Apatity, INEP; Bagh, P.; Fagerstén, R.; Haapalehto, M.; Halme, P.; Heiska, J.; Helsinki, HFR; Isoviita, P. (reliq.); Jakobsson, S.; Julkunen, J.; Kämäräinen, H.; Kartala, J.; Kiema, S.; Kosonen, L.; Laakso, O.; Lahti, M.; Markkanen, A.; Mattila, P.; Moisanter, M.; Niemelä, T.; Niskanen, T.; Pykälä, J.; Roponen, P.; Ruotsalainen, J.; Salo, P.; Särkkä, J.; Siuvatti, T.; Söderholm, U.; Tuovila, H.; Turku, TUR (e); Turku, TUR-A (e); Uimonen, J.; Veteli, P.; Äikäs, J.

### General Herbaria

*Lichenized Fungi.* – 607, mainly France, Japan, Norway, United States, Uruguay; Ahti, T. – 20, mainly Austria,

W. Obermayer: *Lichenotheca Graecensis* 25: 481–500; Graz, GZU (e) – 50, mainly Iceland, Denmark (Greenland); Högnabba, F. – 25, Japan; Koponen, T. – 35, Norway, Sweden; Lohtander, K. – 21, Norway; So, J.E. – 32, United States; Talbot, S.S. – 50, Japan, Russia (Asia), Y. Ohmura: *Lichenes Minus Cogniti Exsiccati* 25: 601–625, 26: 626–650; Tsukuba, TNS (e)

Small numbers of specimens have been received from: Bergen, BG; isotypes of *Micarea azorica*, *M. nigra* and *M. sambuci*, Boom, P.v.d.; Cajander, A.K. (reliq.); Cardiff, NMW; Henssen, A. (reliq.); Hnatiuk, R.; Ho Chi Minh, PHH; Inoue, M.; Isoviita, P. (reliq.); Kihlman, A.O. (reliq.); Kondratyuk, S.; Kotiranta, H.; Kytövuori, I.; Lai, M.J. (reliq.); McCarthy, J.; Miehe, G.; Miettinen, O.; Oulu, OULU (e); Panama, PMA; Recife, UFP; Sasaki, K.; Scotter, G.W.; incl. isotype of *Arctoparmelia collatolica*, St. Petersburg, LE; St. Petersburg, LECB; Sushkova, J.; Urbanavichene, I.N.; incl. isotype of *Phaeophyscia dissecta*, Urbanavichus, G.P.; Xavier Filho, L.

*Non-lichenized Fungi.* – 60, mainly Canada, China; Ahti, T. – 45, France; Brummer, C. – 33, Japan, United Kingdom; Helsinki, HFR – 1,710, Russia (Asia); Kotiranta, H. – 1,508, mainly Norway, Sweden; Kytövuori, I. – 323, Poland, Russia (Europe), United States; Miettinen, O.

Small numbers of specimens have been received from: Bonsdorff, T. von; Burgaz, A.; Degener, O. (reliq.); Himelbrant, D.; Joensuu, JOE; Muskos, S.; Niskanen, T.; Oulu, OULU (e); Turku, TUR-A (e); Uppsala, UPS (e)

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