

Accessions to the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki, in 2022

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The herbarium accessions amount to 13,116 specimens, including 3,822 phanerogams and pteridophytes, 2,169 specimens of bryophytes, 13 of algae, 3,720 specimens of fungi and 3,392 specimens of lichens. Some details of noteworthy accessions are given here.

The accessions comprise 13,116 specimens incorporated in the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki (acronym H) in 2022 (3,822 specimens in the Vascular Plant Herbaria, 2,169 specimens in the Bryological Herbaria, 13 specimens in the Algal Herbaria and 7,112 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 reliquia (marked "reliq."). The Botanical Museum offers the sincerest thanks to all donors. A considerable number of specimens has been obtained by exchange ("e"). Some material has been purchased. The total number of specimens in the systematic collections of H at the end of 2022 was 3,453,005; 1,740,151 of them are phanerogams, 95,536 pteridophytes, 2,521 zooecidia, 627,258 bryophytes, 25,858 algae, 469,199 lichenized fungi and 492,482 non-lichenized fungi (including bacteria and viruses).

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

Kotiranta, H., Uotila, P., Sulkava, S. & Peltonen, S.-L. 1998: Red data book of East Fennoscandia. 351 p. Ministry of the Environment. Helsinki.). Abbreviations in capital letters used for the herbaria are according to Thiers, B. M. (updated continuously): Index Herbariorum (sweetgum.nybg.org/science/ih/).

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

	East Fennoscandian Herbaria	General Herbaria	Total
Vascular Plants Team			
Pteridophytes	197	19	216
Spermatophytes	1,983	1,611	3,594
Algae	-	13	13
Zooecidia	12		12
Mycology and Bryology Team			
Bryophytes	1,116	1,053	2,169
Lichenized Fungi	2,822	570	3,392
Non-lichenized Fungi	2,386	1,334	3,720
Total	8,516	4,600	13,116

Vascular Plant Herbaria

East Fennoscandian Herbarium

72, mainly *N, Ta*; Ahokas, H. – 713, mainly *Ab, N, Ta-Oa*; Alanko, P. – 209, mainly *Al-N, Le*; Federley, B. – 42, mainly *Ta, Sb*; Haikonen, V. – 88, incl. Russia (East Fennoscandia); Helsinki, HEL – 142, incl. Russia (East Fennoscandia); Helsinki, HSI – 89, incl. Russia (East Fennoscandia); Helsinki, HFR – 70, *Ab-Ta, Oa*; Hietanen, T. – 41, *N-Sa*; Kiviniemi, A. – 65, *Kb*; Koistinen, J. – 20, mainly *N, Ab*; Koistinen, M. – 36, *Al-N, St, Sa*; Rosengren, C. – 385, mainly *Hieracium* and *Pilosella* (*N* Helsinki); Sennikov, A. – 100, *Ks*; Väre, H.

Small numbers of specimens have been received from: Fyhrqvist, P., Helo, P., Hyvärinen, A., Kare, R., Karjalainen, J., Kravchenko, A., Kuitunen, T., Kytövuori, I., Lemström, M., Lyytikäinen, V., Notko, T., Ojala, M., Oulasvirta, P., Piispala, E., Pogreboff, S., Pohjola, P., Ranta, Y., Röysä, M., Saari, V., Särkkä, J., Stenroos, M., Turku, TUR, Uotila, P., Valtonen, P., Vitikainen, O., Winberg, L.

General Herbarium

26, mainly Finland (cultivated); Ahokas, H. – 69, mainly Canada, Dominican Republic, United States; Ahti, T. – 31, mainly Finland (cultivated); Alanko, P. – 66, mainly Tanzania; Botanical Excursion by Department of Botany, University of Helsinki, and Sokoine University of Agriculture in 1988. – 20, Norway, Sweden; Federley, B. – 62, Finland (cultivated); Granroth, J. – 22, Cyprus; Haeggtröm, C.-A. – 672, mainly Finland (cultivated); Helsinki, HFR – 65, mainly Finland (cultivated); Helsinki, HSI – 78, Italy; Kämäräinen, H. – 89, mainly Paraguay, Spain (excl. Canary Islands), Turkey, incl. isopitotype of *Genista micrantha*; Madrid, MA (e) – 64, Tanzania; Morogoro, SUA – 159, Italy, Portugal (Madeira), United States; Tolonen, J. – 116, Finland (cultivated), France; Väre, H.

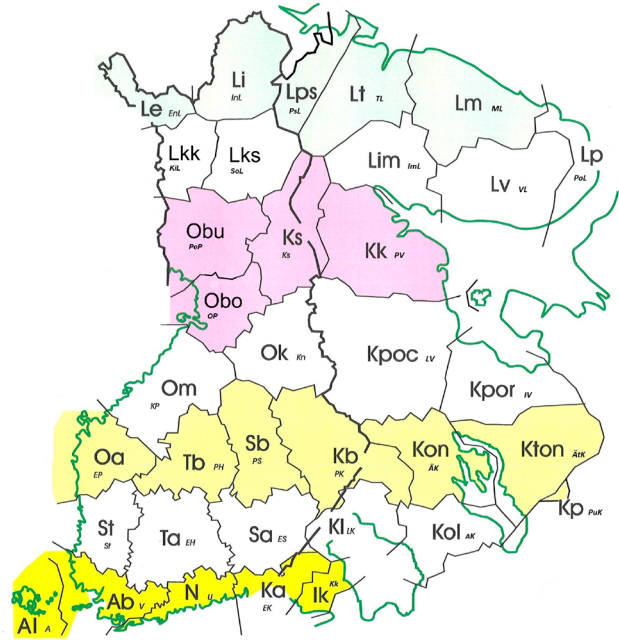
Small numbers of specimens have been received from: Dirmenci, J., Gottschlich, G., Grahn, J., Haikonen, V., Hyvärinen, A., Julkunen-Tiitto, R., Jutila, H., Karjalainen, J., Piispala, E., Rinne, E., Särkkä, J., Uotila, P., Valo, R., Wiskirchen, R.

Bryological and Algal Herbaria

East Fennoscandian Herbarium

Bryophytes. – 863, *Al-N, Ta, Sa, Kb, Obu, Lkk*, incl. *Entosthodon obtusus* new to Finland, holotype of *Entosthodon ulvinenii*, mosses collected from Koli, *Kb*, in 1964 (Koponen, T. 2021, in *Bryobrothera* 12: 7–51), and mosses collected from Pisa Strict Nature Reserve, *Obu* in 1964–1966 (Koponen, T. & Ulvinen, T. 2021, in *Bryobrothera* 12: 53–111); Koponen, T. – 107, *Lkk*; Laaka-Lindberg, S. – 104, *N, Ta*; Suominen, J. (reliq.)

Small numbers of specimens have been received from: Ahti, T.; Arvonen, M. (reliq.); Enroth, J.; Hyvönen, J.; Kinnunen, J.; Miettinen, O.; Väre, H.



Biogeographical provinces of eastern Fennoscandia (Kotiranta et al. 1998, modified).

Al = Alandia	Kpoc = Karelia pomorica
Ab = Regio aboensis	Kpor = Karelia pomorica orientalis
N = Nylandia	Obo = Ostrobottnia ouluensis
Ka = Karelia australis	Obu = Ostrobottnia ultima
Ik = Isthmus karelicus	Ks = Regio kuusamoensis
St = Satakunta	Kk = Karelia keretina
Ta = Tavastia australis	Lkk = Lapponia kittilensis
Sa = Savonia australis	Lks = Lapponia sompiensis
Kl = Karelia ladogensis	Lim = Lapponia lmandrae
Kol = Karelia olonetsensis	Lv = Lapponia varsugae
Oa = Ostrobottnia australis	Lp = Lapponia ponojensis
Ta = Tavastia borealis	Le = Lapponia enontekiensis
Sb = Savonia borealis	Li = Lapponia inarenis
Kb = Karelia borealis	Lps = Lapponia petsamoensis
Kon = Karelia onegensis	Lt = Lapponia tulomensis
Kton = Karelia transonensis	Lm = Lapponia murmanica
KP = Karelia pudogensis	
Om = Ostrobottnia media	
Ok = Ostrobottnia kajanensis	

General Herbarium

Bryophytes. – 116, mainly Russia (Asia), United States, also e.g. Mongolia, Venezuela; Ahti, T. – 307, mainly Bolivia, Brazil, China (Jiangxi), Ecuador, Philippines, Tanzania, Uganda; Enroth, J. – 329, China (Hunan, Sichuan, Yunnan), Norway, Pakistan, Papua New Guinea; Koponen, T. – 157, mainly Indonesia, Malaysia; Leiden, L (e) – 90, Sweden; Suominen, J. (reliq.)

Small numbers of specimens have been received from: Frankfurt, FR; Huttunen, S.; Hyvönen, J.; Jena, JE; Juslén, A.; Kingston, ADT (e); Miettinen, O.; Pócs, T.; Tran Minh, M.; Väisälä, L.; Vitikainen, O.; Yi, Zhaoquin (e)

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

Mycological Herbaria

East Fennoscandian Herbarium

Lichenized Fungi. – 128, *Ab, N, Ta, Kb*; Koistinen, J. – 30, *Ab*; Kuusinen, M. – 40, *Ok, Lkk*; Myllys, L. – 2,460, *Ab, N, St-Sa, Sb, Kb, Ok, Ks, Lkk, Le*; Pykälä, J. – 82, *Ta, Li*; Salmi, V. (reliq.)

Small numbers of specimens have been received from: Ahti, T.; Hämeenlinna, Häme University of Applied Sciences; Hiitonen, I. (reliq.); Högnabba, F.; Jääskeläinen, K.; Julkunen, J.; Kallio, H.; Kantelinen, A.; Kinnunen, J.; Korhonen, M. (reliq.); Kullhem, A. (reliq.); Lindgren, H.; Miettinen, O.; Nirhamo, A.; Pino Bodas, R.; Uotila, P.; Vitikainen, O.; Weber, L.

Non-lichenized Fungi. – 98, mainly *Ab*; Harmaja, H. – 434, varia; Helsinki, HFR – 438, *Al-N, Ta, Tb, Kb*; Koistinen, J. – 264, varia; Korhonen, M. (reliq.) – 93, *N, Sa, Tb, Obu, Ks, Lks*; Kytövuori, I. – 102, varia; Miettinen, O. – 126, *Ab, N, Ta, Sb, Kb, Ok, Lks, Li*; Pennanen, J. – 125, mainly *Ab, St, Ta, Ok, Ks, Le*; Pykälä, J. – 38, *Sb, Kb, Lks*; Salo, K. – 177, *Ab-Ka, Ta, Sa*; Salo, P. – 22, *Ab, N, Ta, Oa, Tb*; Suominen, J. (reliq.) – 178, mainly *N*; Väre, H. – 162, *N*; Viner, I. – 56, *N*; Äikäs, J.

Small numbers of specimens have been received from: Ahti, T.; Helle, K.; Höijer, P.; Junninen, K.; Kolehmainen, K.; Kulju, M. (e); Kuusinen, M.; Niskanen, A.; Oulu, OULU (e); Pino Bodas, R.; Savola, K.; Söderholm, U.; Tarvainen, A.; Tuovila, H.; Vauras, J.; Vitikainen, O.

General Herbarium

Lichenized Fungi. – 182, Argentina, Canada, Estonia, Italy, Mexico, New Zealand, Norway, Russia (Asia), Switzerland, United States; Ahti, T. – 49, Albania, Bulgaria, Cyprus, Greece, Hungary, Malta, Montenegro; Madrid, MACB – 44, China, France, Indonesia, Malaysia, Portugal (excl. Azores and Madeira), United States; Miettinen, O. – 76, Portugal, Spain, Turkey; Pino Bodas, R. – 82, Russia (Asia); Ulan-Ude, UUH

Small numbers of specimens have been received from: Alanko, P.; Bergen, BG; Calvelo, S.; Corvallis, OSC; Gmoschinskii, V.; Helsinki, HSI; incl. isotype of *Gonohymenia cribellifera*, Henssen, A. (reliq.); incl. isotypes of *Arthothelium bacidinum*, *Lecanactis scopulicola* and *Parasiphula elixii*, Hobart, HO (mainly e); Högnabba, F.; Hyvönen, J.; Kantelinen, A.; Konoreva, L.A.; Koponen, T.; incl. paratype of *Lecaimmeria orbicularis*, Kunming, KUN; McCune, B.; Mische, G. & Mische, S.; Ottawa, CANL; Passo, A.; St. Petersburg, LE; incl. isotypes of *Caloplaca saviczii*, *Lendemeriella aureopruinosa*, *Orientophila infirma* and *Polycauliona comandorica*, St. Petersburg, LECB; Søchting, U.; Stenroos, S.; Uotila, P.; Walker, D.A.; Weber, L.; Zhurbenko, M.P.

Non-lichenized Fungi. – 188, mainly Argentina, Canada, Iceland, Japan, Mexico, Russia (Asia), Thailand, United States; Ahti, T. – 147, mainly Denmark (excl. Faroes and Greenland), Estonia, Sweden; Korhonen, M. (reliq.) – 319, mainly China, Indonesia, Malaysia, Norway, United States; Miettinen, O. – 40, Norway; Salo, K. – 31, Russia (Asia); Schigel, D. – 426, Russia (Asia), Spirin, V. – 123, Georgia, Greece, Spain (Canary Islands); Viner, I.

Small numbers of specimens have been received from: Harmaja, H.; Helsinki, HFR; Honkanen, J.; Kočourková, J.; Kokaeva, L.; Kotiranta, H.; Listosella, J.; Muskos, S.; Oslo, O; Oulu, OULU (e); Pennanen, J.; Pino Bodas, R.; Spribille, T.; Suominen, J. (reliq.); Zamora, J.

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The main collection areas of the material received in 2022:

	Spermatophyta	Pteridophyta	Bryophyta	Algae	Lichenized Fungi	Other Fungi	Zooecidia	Total
Finland	2,492	197	1,116	0	2,822	2,386	12	9,025
Russia (Asia)	3	0	21	1	121	497	0	643
United States	108	6	60	7	44	178	0	403
Finland (cultivated)	360	0	0	0	0	0	0	360
China	1	0	196	0	15	46	0	258
Canada	42	0	4	2	127	21	0	196
Sweden	43	0	90	0	7	54	0	194
Norway	18	0	85	0	1	86	0	190

The main collection areas of the material received in 2022, Cont.:

	Spermato- phyta	Pterido- phyta	Bryo- phyta	Algae	Lichenized Fungi	Other Fungi	Zoo- cecidia	Total
Indonesia	0	0	82	0	14	65	0	161
Tanzania	128	1	27	0	0	1	0	157
Italy	101	6	1	0	21	2	0	131
Spain (excl. Canary Islands)	57	1	0	0	32	14	0	104
Estonia	0	0	0	0	5	96	0	101
Malaysia	0	0	67	0	14	10	0	91
Pakistan	0	0	57	0	16	0	0	73
Papua New Guinea	0	0	72	0	0	0	0	72
France	51	3	0	0	1	11	0	66
Spain (Canary Islands)	0	0	1	0	1	61	0	63
Ecuador	0	0	62	0	0	0	0	62
Russia (East Fennoscandia)	51	0	0	0	0	0	0	51
Bolivia	0	0	50	0	0	0	0	50
Portugal (Madeira)	38	2	5	0	0	0	0	45
Portugal (Azores)	0	0	0	0	42	0	0	42
Bulgaria	3	0	0	0	38	0	0	41
Georgia	0	0	6	0	0	34	0	40
Philippines	0	0	35	0	0	1	0	36
Australia	1	0	5	0	23	1	0	30
Brazil	0	0	24	0	0	2	0	26
Greece	1	0	0	0	2	23	0	26
Cyprus	22	0	0	0	3	0	0	25
Argentina	0	0	8	0	7	7	0	22
Uganda	0	0	22	0	0	0	0	22
Russia (Europe)	0	0	0	0	1	20	0	21
Other countries	74	0	73	3	35	104	0	289
Total	3,594	216	2,169	13	3,392	3,720	12	13,116