

**Biodiversity informatics
resources and databases on the internet**

Karol Marhold

Biodiversity Informatics is the application of informatics techniques to biodiversity information for improved management, presentation, discovery, exploration and analysis.

It typically builds on a foundation of taxonomic, biogeographic, or ecological information stored in digital form, which, with the application of modern computer techniques, can yield new ways to view and analyse existing information, as well as predictive models for information that does not yet exist.

Wikipedia

Biodiversity Information Standards (TDWG)

We are a non-profit organization and community dedicated to developing biodiversity information standards

Historically known as the Taxonomic Databases Working Group, today's Biodiversity Information Standards (TDWG) is a not-for-profit, scientific and educational association formed to establish international collaboration among the creators, managers and users of biodiversity information and to promote the wider and more effective dissemination and sharing of knowledge about the world's heritage of biological organisms.

To achieve its goals, TDWG:

- develops, ratifies and promotes standards and guidelines for the recording and exchange of data about organisms;
- acts as a forum for discussing all aspects of biodiversity information management through meetings, online discussions, and publications.

See the [About](#) section to learn how TDWG operates and how you can participate. Active Interest Groups are described under [Community](#).

Our most popular standards



TDWG 2022 Working Sessions
7–10 November

Register to attend via Zoom (it's free!)

[See Working Sessions](#)

<http://www.tdwg.org/>



Darwin Core

Darwin Core is a standard maintained by the Darwin Core maintenance group. It includes a glossary of terms intended to facilitate the sharing of information about biological diversity by providing identifiers, labels, and definitions. Darwin Core is primarily based on taxa, their occurrence in nature as documented by observations, specimens, samples, and related information.



World Geographical Scheme for Recording Plant Distributions (WGSRPD)

WGSRPD provides an agreed system of geographical units at approximately "country" level and upwards for use in recording plant distributions. It allows adopting organizations to compare and exchange data with each other without loss of information due to incompatible geographical boundaries. The system offered covers the whole world and identifies units at four levels, firstly continental, secondly regional (or subcontinental), thirdly at what may be called "Botanical Country" level (which may often ignore purely political considerations), and fourthly at a slightly lower level called "Basic Recording Units" where political integrity is fully recognised.



Audubon Core

The Audubon Core (AC) is a set of vocabularies designed to represent metadata for biodiversity multimedia resources and collections. These vocabularies aim to represent information that will help to determine whether a particular resource or collection will be fit for some particular biodiversity science application before acquiring the media. Among others, the vocabularies address such concerns as the management of the media and collections, descriptions of their content, their taxonomic, geographic, and temporal coverage, and the appropriate ways to retrieve, attribute and reproduce them.

TABLE 1. The Continental Scheme

Code	Continent Name	Code	Continent Name
1	Europe	6	Pacific
2	Africa	7	Northern America
3	Asia-Temperate	8	Southern America
4	Asia-Tropical	9	Antarctic
5	Australasia		

TABLE 2. The Continental and Regional Scheme**EUROPE**

10	Northern Europe
11	Middle Europe
12	Southwestern Europe
13	Southeastern Europe
14	Eastern Europe

AFRICA

20	Northern Africa
21	Macaronesia
22	West Tropical Africa
23	West-Central Tropical Africa
24	Northeast Tropical Africa
25	East Tropical Africa
26	South Tropical Africa
27	Southern Africa

AUSTRALASIA

50	Australia
51	New Zealand

PACIFIC

60	Southwestern Pacific
61	South-Central Pacific
62	Northwestern Pacific
63	North-Central Pacific

NORTHERN AMERICA

70	Subarctic America
71	Western Canada
72	Eastern Canada
73	Northwestern U.S.A.
74	North-Central U.S.A.

Level 3 Code/Name		Level 4 Code/Name		Region Code/Name	
ABT	Alberta	OO	Alberta	71	Western Canada
AFG	Afghanistan	OO	Afghanistan	34	Western Asia
AGE	Argentina Northeast	BA	Buenos Aires	85	Southern South America
AGE		CD	Córdoba	85	Southern South America
AGE		CH	Chaco	85	Southern South America
AGE		CN	Corrientes	85	Southern South America
AGE		DF	Argentina Distrito Federal	85	Southern South America
AGE		ER	Entre Ríos	85	Southern South America
AGE		FO	Formosa	85	Southern South America
AGE		LP	La Pampa	85	Southern South America
AGE		MI	Misiones	85	Southern South America
AGE		SF	Santa Fé	85	Southern South America
CZE		Czechoslovakia	CZ	Czech Republic	11
CZE	SL		Slovakia	11	Middle Europe
HUN	Hungary	OO	Hungary	11	Middle Europe
ICE	Iceland	OO	Iceland	10	Northern Europe
IDA	Idaho	OO	Idaho	73	Northwestern U.S.A.
ILL	Illinois	OO	Illinois	74	North-Central U.S.A.
IND	India	AP	Andhra Pradesh	40	Indian Subcontinent
IND		BI	Bihar	40	Indian Subcontinent
IND		CH	Chandigarh	40	Indian Subcontinent
IND		CT	Chattisgarh	40	Indian Subcontinent
IND		DD	Dadra-Nagar-Haveli	40	Indian Subcontinent

Skratky knižných publikácií:

Stafleu F.A. & Cowan R.S. (1976, 1979, 1981, 1983, 1986, 1985, 1988): *Taxonomic literature*. Ed. 2 (TL2). Bohn, Scheltema & Holkema (& dr. W. Junk Publ. b.v.), Utrecht, etc.

Stafleu F.A. & Mennega E.A. (1992, 1993, 1995, 1997, 1998): *Taxonomic literature, edition 2, Supplement* (TL2/S). Koeltz Scientific Books, Königstein.

Note: capital letters are usually used for each word in the titles of journals/books

Frans A. Stafleu and Richard S. Cowan

Taxonomic literature

A selective guide to botanical publications and collections with dates, commentaries and types

Volume II: H-Le

Second edition

Bohn, Scheltema & Holkema, Utrecht
dr. W. Junk b.v., Publishers, The Hague
1979



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.: Taxonomic Literature II (TL-2)

Taxonomic Literature: A selective guide to botanical publications and collections with dates, commentaries and types (Stafleu et al.).

TL-2 is the premier publication of the International Association for Plant Taxonomy (IAPT) and this online version was made possible by the generous cooperation of the IAPT.

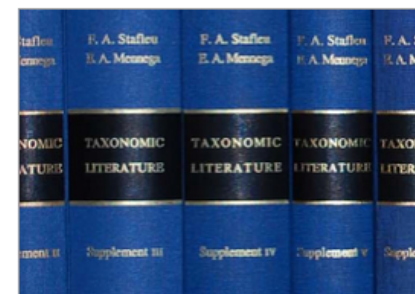


In its print form, TL-2 is a 15 volume guide to the literature of systematic botany published between 1753 and 1940. It is organized by author and includes numbered entries for the author's publications. Suggested abbreviations for use in taxonomic publications are provided: abbreviations for the author's name, short titles and abbreviations of the short titles for publications. TL-2 is the standard by which authors' names and titles should be abbreviated.

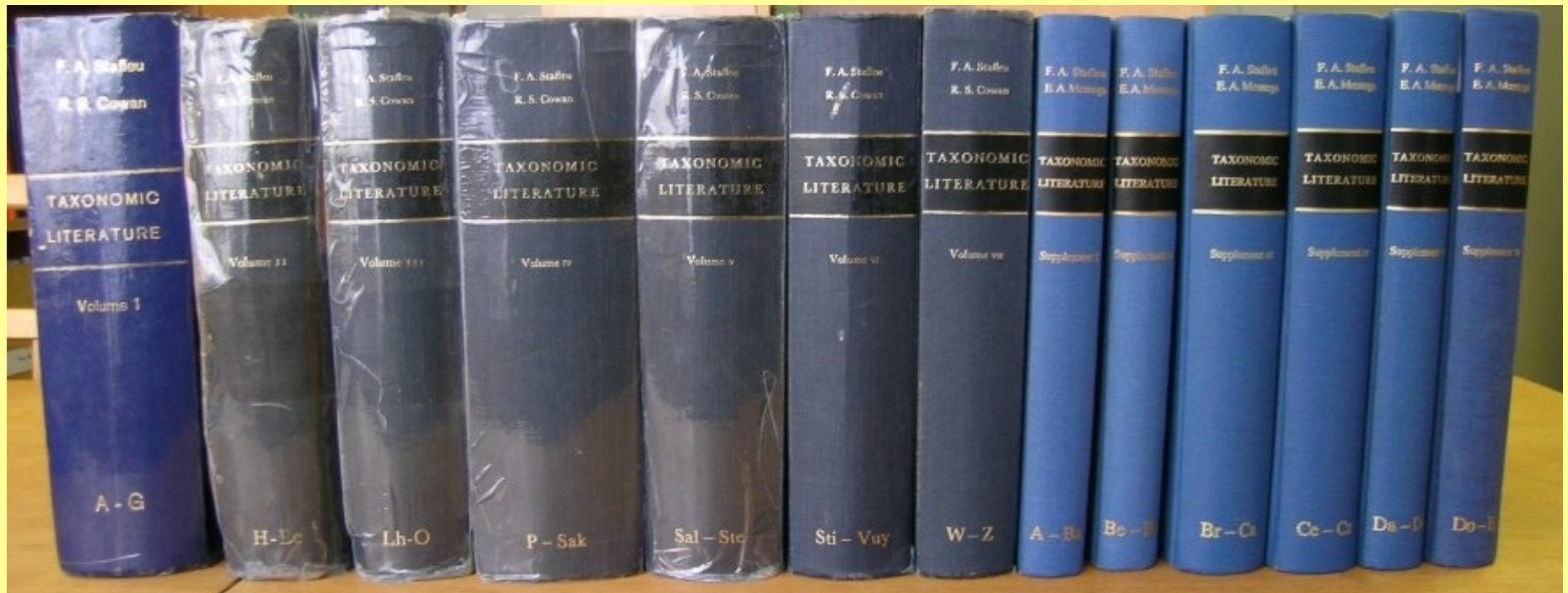
TL-2 at the Smithsonian Institution Libraries

Currently, we offer a basic database searchable by keyword, author name, title number, author name abbreviation, or title abbreviation. We display the search results with the scanned page and the parallel OCR'd and corrected text in a "page turning" application.

The next round of planned improvements, to be done in conjunction with the redesign of the Smithsonian Libraries' website, is to implement Linked Open Data for the entire TL-2 dataset. This computer-friendly format will give each authors and publications a permanent, authoritative URI on the web. These URIs will contain information in both human-readable form (via HTML) and computer-readable form (via RDF/XML.) A SPARQL endpoint will also be provided for querying the linked data.



Further in the future, we wish to perform additional parsing of the data to, for example, extract the Herbaria that contain specimens collected by the authors, link authors and publications to other sources on the web such as the [Virtual International Authority File](#), the [Biodiversity Heritage Library](#), and the



Koch, Wilhelm Daniel Joseph (1771-1849), German physician and botanist; Dr. med. Giessen 1794; practiced at Kaiserslautern from 1797 until 1824, then professor of botany at Erlangen. (~~W. Koch~~).

HERBARIUM and TYPES: The type herbarium of the *Synopsis* was acquired by Suringar and is now at L. The non-German part of the herbarium is at ER. Other material at G.
Ref.: Schlechtendal, D. F. L. von, Bot. Zeit. 8: 288. 1850, 25: 336, 359-360. 1867.
Haussknecht, H. K., Flora 56: 403, 405. 1873.

BIBLIOGRAPHY and BIOGRAPHY: ADB 16: 402-403; AG 1: 322, 5(1): 615, 12(1): 297; Backer p. 305; Barnhart 2: 306; BM 2: 1004; Bossert p. 215; Clokie p. 194; CSP 3: 705-707; DTS 1: 156-158, xxi, 6(4): 19, 163; Frank 3(Anh.): 51; GR p. 98; Hortus 3: 1197 ("Koch, W.J.D."); IF 710; IH 2: 374; Jackson p. 227, 293, 295, 342; Kew 3: 288; Langman p. 415; MW p. 239; NI (alph.); PR 4772-4776 (ed. 1: 5311-5315); Rehder 5: 463; RS p. 91; Saccardo 1: 93, 2: 60; SBC p. 124 ("W. Koch"); SO add. 844b-d; TL-2/1: 219, 451, 559, 702, 1402; Tucker 1: 394; Zander ed. 10, p. 679.
Anon., Bot. Not. 1844: 175, 1850: 40; Festschrift z. 50. j. Doktorsjubiläum (n.v., see Flora 27: 470, 526. 1844); Bot. Zeit. 7: 910. 1849; 29: 143-144. 1871.
A.S., Bot. Zeit. 8: 26-20. 1850.

3803. *Synopsis florae germanicae et helveticae*, exhibens stirpes phanerogamas rite cognitae, quae in Germania, Helvetia, Borussia et Istria sponte crescunt atque in hominum usum copiosus coluntur, secundum systema Candolleanum digestas, praemissa generum dispositione, secundum classes et ordines systematis Linnaeani conscripta: . . . Francofurti ad Moenum [Frankfurt a. M.] (Sumptibus Friederici Wilmans) [1835-] 1837-1838. Oct. (*Syn. fl. germ. helv.*).

Ed. 1, vol. 1: [i]-lx, [1]-844. *Copies:* G, MICH, MO, NY; IDC 5985.

Index generum, specierum et synonymorum, ib. 1838, p. [i], [1]-102. *Copies:* G, MICH. – [Octavo in fours].

section	pages	title-page date	dates of receipt by Hinrichs
1	[1]-352	1835	25-26 Apr 1836 [sic]
2	353-844, [i]-lx	1837	1-7 Oct 1837
index	[i], [1]-102	1838	25 Nov-1 Dec 1838

Ed. 2 [part 1:] Francofurti ad Moenum (sumptibus Friderici Wilmans) 1843-1845. Oct. *Copies:* G, MICH, NY, U; IDC 7328.

Pars prima: 19-21 Jun 1843 (Hinrichs), p. [i*, gen. t.p.], [i]-lx, [1]-452.

Pars secunda: Nov 1844, p. [i-iii], [451, sic: 451-452 double]-964. – Lipsiae [Leipzig] (sumptibus Gebhardt et Reisland).

Pars tertia: 17-20 Sep 1845 (Hinrichs), p. [i], 963 [sic, 963-964 double]-1164. – Lipsiae (id.).

Journal abbreviations:

Lawrence G.H.M. et al. (eds.) 1968: *Botanico-Periodicum-Huntianum*. Hunt Botanical Library, Pittsburgh. [ISO-1]

Bridson G.D.R. & Smith E.R. (1991): *Botanico-Periodicum-Huntianum/Supplementum*. Hunt Institute for Botanical Documentation, Pittsburgh. [ISO-2]

Bridson G.D.R. (2004): *BPH-2: Periodicals with Botanical Content*. Hunt Institute for Botanical Documentation, Pittsburgh. [ISO-2]


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IPNI provides links to protologues and other sources of taxonomic data (synonymy

and nomenclature). If you have any questions, comments or feedback the team would be happy to hear from you by email at

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Plant Names

Authors

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Publication ID

Search

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**Botanico-Periodicum-Huntianum
Taxonomic Literature, ed. 2**

<http://www.ipni.org>

http://kiki.huh.harvard.edu/databases/publication_index.html

International standards for taxonomic databases

B-P-H

Botanico-Periodicum-Huntianum

George H. M. Lawrence
A. F. Günther Buchheim
Gilbert S. Daniels
Helmut Dolezal

Editors

Hunt Botanical Library
Pittsburgh, Pa.
1968

- 1 Bot. Zh. SSSR = Bot. Zhurn. SSSR
- 2 Bot. Zhurn. see: Bot. Zhurn. (Kiev); Bot. Zhurn. (Moscow & Leningrad); Bot. Zhurn. (St. Petersburg); Bot. Zhurn. SSSR
- 3 Bot. Zhurn. Kiev = Bot. Zhurn. (Kiev)
- 4 Bot. Zhurn. (Kyiv) = Bot. Zhurn. (Kiev)
- 5 Bot. Zhurn. S.S.S.R. = Bot. Zhurn. SSSR
- 6 Bot. & Zool. Botany and zoology; theoretical and applied. [Syokubutsu oyobi dōbutsu]. Tokyo. Vols. 1-11, 1933-43. 5-4142-1.
- 7 Bot. & Zool. (Tokyo) = Bot. & Zool.
- 8 Bot. Zur. = Bot. Zhurn. SSSR
- 9 Bot. Zhurn. (Kiev) Botaničnyj žurnal. Journal botanique de l'académie des sciences de la RSS d'Ukraine. Kiev, Ukrainian SSR. Vols. 1-12, 1940-55 [Preceded by Zhurn. Inst. Bot. Vseukrajins'k. Akad. Nauk; superseded by Ukrajins'k. Bot. Zhurn.]. 5-4293-2.
- 10 Bot. Zhurn. (Moscow & Leningrad) Botaničeskij žurnal. Moscow & Leningrad. Vol. 33+, 1948+ [Preceded by Bot. Zhurn. SSSR]. 1-756-1.
- 11 Bot. Zhurn. (St. Petersburg) Botaničeskij žurnal. Journal botanique. St. Petersburg. Vols. 1-3, 1906-08. [Replaces Trudy Imp. S.-Peterburgsk. Obšč. Estestvoisp., Vyp. 3, Otd. Bot. vols. 35-37] 1-756-1.
- 12 Bot. Zhurn. SSSR Botaničeskij žurnal SSSR. Journal botanique de l'URSS. Moscow & Leningrad. Vols. 17-32, 1932-47 [Preceded by Zhurn. Russk. Bot. Obšč.; superseded by Bot. Zhurn. (Moscow & Leningrad)]. 1-756-1.
- 13 Botan. abhandl. = Bot. Abh.
- 14 Botan. archiv. = Bot. Arch.
- 15 Botan. centralbl. f. Deutschl. = Bot. Centralbl. Deutschl.
- 16 Botan garden Edinb. = Notes Roy. Bot. Gard. Edinburgh
- 17 Botan. gazette = Bot. Gaz. (London)
- 18 Botan. jahrb. jederm. = Bot. Jahrb. Jedermann
- 19 Botan. liter.-blätter = Bot. Litt.-Blätt.
- 20 Botan. mag. = Bot. Mag.
- 21 Botan. misc. = Bot. Misc.
- 22 Botan. notiser = Bot. Not.
- 23 Botan. taschenb. f. anfänger = Bot. Taschenb. Anfänger Wiss. Apothekerkunst
- 24 Botan. tidskr. = Bot. Tidskr.
- 25 Botan. utflygter = Bot. Utflygter
- 26 Botânica Botânica. São Paulo. No. 1+, 1939+. Not in ULS.
- 27 Botanica mar. = Bot. Mar.
- 28 Botanika Botanika. [Société polonaise des naturalistes "Kopernik"] Lvov, Galicia [Ukrainian SSR]. Vol. 1+, 1925+. 1-756-2.
- 29 Botanist *Botanist; containing accurately coloured figures, of tender and hardy ornamental plants; ... London. Vols. 1-5, [1836-37.] 1-757-3.
- 30 Botaniste *(Le) Botaniste. Caen. Vol. 1+, 1889+[suspended 1913-20; 1943-47]. 1-757-3.
- 31 Botany Bull. Dep. Agric. Qd = Bot. Bull. Dept. Agric.
- 32 Botany Zool., Tokyo = Bot. & Zool.
- 33 BotC. = Bot. Centralbl.
- 34 Bothalia *Bothalia. A record of contributions from the national herbarium, Union of South Africa. Pretoria. Vol. 1+, 1921+. 1-758-1.
- 35 BotKözl. = Bot. Közlem.
- 36 BotMűzFüz. = Bot. Műz. Füz.
- 37 BotZtg. = Bot. Zeitung (Berlin)

International standards for taxonomic databases

Author abbreviations:

**Brummitt R.K. & Powell C.E., 1992: *Authors of Plant Names*.
Royal Botanic Garden, Kew. (aj CD-ROM verzia spolu s Index
Kewensis)**



International Plant Name Index (IPNI)

Search by plant name, author or publication



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Welcome to the International Plant Names Index (IPNI) produced by a collaboration between [The Royal Botanic Gardens, Kew](#), [The Harvard University Herbaria](#), and [The Australian National Herbarium](#), hosted by the Royal Botanic Gardens, Kew. IPNI provides nomenclatural information (spelling, author, types and first place and date of publication) for the scientific names of Vascular Plants from Family down to infraspecific ranks. You can search for plant names, authors or publications in the search box above. Click the down arrow for advanced search options. New records are added daily, and the [IPNI team](#) are continuously working to improve data [standardization](#).

IPNI provides links to protologues in c
links to taxonomic data (synonymy ar

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Plant Names

Authors

Publications

Search Author Database

Author (standard form)

Author forename

Author surname

Author ID

Search

Clear

Brummitt & Powell, Authors of Plant Names

AUTHORS OF PLANT NAMES

*A list of authors of scientific names of plants,
with recommended standard forms of their names,
including abbreviations*

Edited by

R.K. BRUMMITT AND C.E. POWELL

Principal compilers:

C.E. Powell (overall cumulation, and Spermatophytes after R.D. Meikle)
P.M. Kirk (Fungi and Lichens)
P.C. Silva (Algae)
R.E.G. Pichi Serrnolli (Pteridophytes)
M.R. Crosby (Bryophytes)
H.T. Clifford (Fossils)

ROYAL BOTANIC GARDENS, KEW
1992

Kenfield, Dougl (fl. 1991) M	Kerner
Keng, Hsüan (1923-) S	Kenfield
(Keng, Kwan Hou)	H.Keng
see Keng, Pai Chieh	
Keng, Pai Chieh (1917-) S	Keng f.
Keng, Yi Li (1897-1975) S	Keng f.
Kenneally, Kevin Francis (1945-) S	Keng
Kennedy, George C. (fl. 1976) S	Kenneally
Kennedy, George Golding (1841-1918) B	G.C.Kenn.
Kennedy, Helen Alberta (1944-) S	Kenn.
Kennedy, James Domoné (1898-) S	H.A.Kenn.
Kennedy, John (1759-1842) S	J.D.Kenn.
Kennedy, Lorene L. (fl. 1959) M	J.Kenn.
Kennedy, Patrick Beveridge (1874-1930) S	L.L.Kenn.
Kennedy-O'Byrne, John Kevin Patrick (1927-) S	P.B.Kenn.
Kennelly, Violet C.E. (fl. 1930) M	Kenn.-O'Byrne
Kenneth, Archibald Graham (1915-1989) S	Kennelly
Kenneth, Robert G. (fl. 1977) M	Kenneth
Kensit, Harriet Margaret Louisa (later Bolus, H.M.L.) (1877-1970) S	R.G.Kenneth
Kent, Adolphus Henry (1828-1913) S	Kensit
Kent, Douglas Henry (1920-) S	A.H.Kent
Kent, Leslie E. A	D.H.Kent
Kent, William Saville (1845-1908) A	L.E.Kent
Kenyon, William (fl. 1847) S	Kent
Keppel, Johannes Cornelius van (1922-1982) S	Kenyon
Ker, Charles Henry Bellenden (1785-1871) S	Keppel
(Ker, John Bellenden)	Ker
see Ker Gawler, John Bellenden	
Ker Gawler, John Bellenden (1764-1842)	Ker Gawl.
Keraudren, Monique (1928-1981) S	Ker Gawl.
(Keraudren-Aymonin, Monique)	Keraudren
see Keraudren, Monique	
Kerber, Edmund (fl. 1882-83) S	Keraudren
Kerchove de Denterghem, Oswald Charles Eugène Marie Ghislain de (1844-1906) S	Kerber
Kereszty, Zoltán (1937-) S	Kerch.
Kerguélen, Michel François-Jacques (1928-) S	Kereszty
Kerimova, R.S. S	Kerguélen
Kerken, Amelia E.van (fl. 1960) M	Kerimova
Kern, Frank Dunn (1883-1973) M	Kerken
Kern, Friedrich (1850-1925) B	F.Kern
Kern, Hartmut (1929-) M	Kern
Kern, Johannes Hendrikus (1903-1974) S	H.Kern
Kern, Patricia M. (later Holmgren, P.K.) (1940-) S	J.Kern
Kernan, M.J. (fl. 1983) M	P.M.Kern
Kerner, Anton Joseph (1831-1898) BPS	Kernan
Kerner, Johann Simon von (1755-1830) S	A.Kern.
Kerner, Josef (1829-1906) S	J.Kern.
(Kerner von Marilaun, Anton Joseph)	Jos.Kern.
see Kerner, Anton Joseph	
	A.Kern.

Autor	TUTIN & al. 1964–1980	STAFLEU & COWAN 1979	MEIKLE 1980, 1984	KIRK & ANSELL 1992	BRUMMIT & POWELL 1992; PICI SERMOLLI 1996	Arbeits- gebiet	Biographie
Koch, A. (publ. 1892)					–	B	FRAHM & EGGERS 2001
Koch, Claus					C. Koch	A	
Koch, Erwin (publ. 1895)		E. Koch			E. Koch	S	
Koch, Georg Friedrich (1808–1874)		G. Koch			G. Koch	MS	GRUMMANN 1974
Koch, „Grünberg Christian Theodor“ → Koch-Grünberg, Christian Theodor (1872–1924)			G. Koch		G. C. T. Koch → Koch-Grünb.	PS	GUSINDE 1925; FABER 1956
Koch, Heinrich (publ. 1774)		H. Koch			–	S	
Koch, H. A. (publ. 1969)				H. A. Koch	H. A. Koch	M	
Koch, Hans Peter Gyllembourg (1807–1883)	H. P. G. Koch				H. P. G. Koch	S	CHRISTENSEN 1925 a, 1926 b
Koch, Otto Wilhelm Heinrich (1805–1887)					H. Koch	BS	BUCHENAU 1888
Koch, Joachim (1908–1981)				J. Koch	J. Koch	MPS	WIEDEMANN 1984
Koch, Johann Friedrich Wilhelm (1759–1831)		J. Koch		Koch	Koch	BMS	
Koch, Julius Ludwig August (1841–1908)					–	M	GRUMMANN 1974
Koch, J. L. F. (publ. 1986)				J. L. F. Koch	–	M	
Koch, Karl [Carolus] Heinrich Emil (1809–1879)	C. Koch	K. Koch	K. Koch		K. Koch	MPS	KOCH, TH. 1879; LACK 1977
Koch, Karl (1875–1964)		K. Koch Osnabr.			K. Koch bis	S	WEBER 1995
Koch, Leo Francis (1916–)					L. F. Koch	AB	
Koch, Ludwig Konrad Albert (1850–1938)	L. Koch		L. Koch		L. K. A. Koch	S	
Koch, Peter (fl. 1888–1889)					P. Koch	A	
Koch, Stephen D. (1940–)			S. Koch		S. D. Koch	S	
Koch, Walo (1896–1956)	Walo Koch		W. Koch		W. Koch	PS	BRAUN-BLANQUET 1956; LANDOLT 1990
Koch, Wilhelm Daniel Joseph (1771–1849)	Koch	W. Koch	Koch		W. D. J. Koch	ABPS	WAGENITZ 2000
Koch, William Julian (1924–)				W. J. Koch	W. J. Koch	M	

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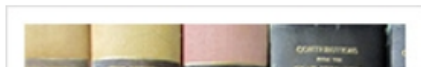
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Staff are working to create digital records of the over 5 million specimens in the Harvard University Herbaria to include in the Index of Botanical Specimens Specify 6 database. Approximately 100,000 specimens correspond to type specimens of vascular plants and mosses. Also included are fungi, lichens, bryophytes, and algae.



[Botanists](#)

The Botanist Database contains authors of botanical names, collectors of botanical specimens, and authors of botanical publications.



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Index of Botanists

Authors of plant names, botanical and mycological collectors, and authors of publications of importance to systematic botany and mycology, are combined into a single resource. To search: enter the person's name either as *lastname, firstname*, e.g. *jones, david* or by the standard abbreviation, e.g. *d r jones*. The name of an author or collector sometimes consists of multiple names and can be entered as such. Team records can be located by searching for the name of any of its members. Check the **Team** box when searching for a team. Checking the botanist's role (Authors, Collectors, Individuals, Teams) will constrain the search further, otherwise all records in the database that satisfy the search criteria will be matched. Herbaria in which material is known to have been deposited by a botanist can be searched in **Remarks**. Place names and taxon names sporadically occur within **Remarks**.

Name	<input type="text"/>	<input type="text"/> ID
	Find similar sounding names <input checked="" type="checkbox"/>	Show internal IDs <input type="checkbox"/>
Remarks	<input type="text"/>	
Areas of Publication or Collection		Restrict to:
Specialty	any <input type="text"/>	<input type="checkbox"/> Authors
Country	any <input type="text"/>	<input type="checkbox"/> Collectors
		<input checked="" type="checkbox"/> Individuals
		<input type="checkbox"/> Teams

International standards for taxonomic databases

Abbreviations of herbarium

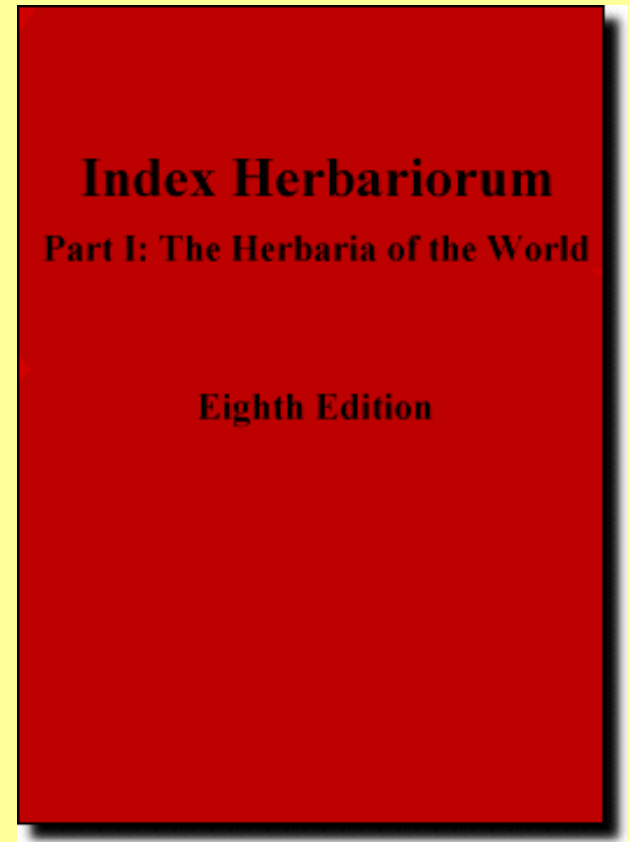
collections:

Holmgren P.K., Holmgren N.H. et

Barnett L.C., 1990: *Index*

Herbariorum, ed. 7, New York

Botanical Garden, Bronx



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INDEX HERBARIORUM

A worldwide index of 3,400 herbaria and associated staff where a total of 350 million botanical specimens are permanently housed.

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Search for herbaria by code



Charles University in Prague

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Overview

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Summary

Staff

Map

Name

Charles University in Prague

Herbarium Code

PRC

Current Status

Active

Correspondents

Michal Stefánek, Curator Vascular Plants, stefim@seznam.czZdenek Soldán, Curator for Cryptogams, sold@natur.cuni.czOndrej Koukol, Curator of Fungi, ondrej.koukol@natur.cuni.cz;Patrik Mráz, Head Curator, mrazpat@natur.cuni.czViera Mrázová, mrazovv3@natur.cuni.czJirí Hadinec, Curator for Vascular Plants, hadinec@natur.cuni.czDavid Svododa, Curator of Algae and Lichens, david.svoboda@natur.cuni.czAdéla Pokorná, Curator of Seeds and Fruits, adepo@seznam.cz

Contact

[420] 221 951 642

Fax: [420] 221 951 645

Email: mrazpat@natur.cuni.cz

Address

Herbarium

Department of Botany

Faculty of Natural Sciences

Charles University in Prague

Benátská 2

Praha 2 CZ-12801

Czech Republic

<https://botany.natur.cuni.cz/cevnote/prc/index.php?lang=en>

Specialty

Geography: Worldwide, especially central Europe, Carpathian Mountains, and Balkan Peninsula

Notes

Updated Jan 2016 (staff updates).

Date Founded

1775

Updated

/01/2016

Important Collectors

L. Adamovic, G. Beck, C. L. Blume, P. E. Boissier, V. Borbás, C. Brittinger, A. Carl, K. Cejp, L. Celakovský, Z. Cernohorský, J. Chrtek, H. Cuming, A. Degen, K. Domin, J. Dostál, J. F. Drege, C. F. Eklon, F. X. Fieber, F. Firbas, E. Hadac, T. Haenke, F. G. Hayne, R. Hendrych, M. C. F. Hochstetter, R. F. Hohenacker, J. L. Holuby, V. Jirásek, J. E. Kabát, J. E. Kabát, V. F. Kosteletzky, V. Krajina, B. Krísa, A. F. Láng, C. F. Ledebour, O. Lenecek, A. Margittai, J. O. Martinovský, A. Musil, F. A. Novák, A. Oborný, P. M. Opiz, J. Osbornová, J. Pancic, A. Pascher, A. Pilát, J. Podpera, E. F. Poeppig, J. B. E. Pohl, C. B. Presl, J. S. Presl, C. G. Pringle, A. Rochel, J. Rohlena, R. Rohrer, W. Schimper, F. W. Schmidt, F. Schustler, W. B. Seidl, F. W. Sieber, A. Skalická, V. Skalická, P. Sklenar, M. Sourkova, J. Sterneck, P. Stillinger, J. Suza, I. F. Tausch, F. Tempsky, M. Tenore, Z. Urban, J. Vana, J. Velenovský, J. Vilhelm, N. Wallich, R. Wettstein, H. M. Willkomm, J. B. Zahlbruckner, C. L. Zeyher

Person	Herbarium Code	Institution	Location	Research Pursuits
Martin Certner	PRC	Charles University in Prague	Czech Republic. Praha.	Polyploid complexes of vascular plants
Thomás Fér	PRC	Charles University in Prague	Czech Republic. Praha.	Molecular markers; phylogeography
Jirí Hadinec	PRC	Charles University in Prague	Czech Republic. Praha.	Vascular plant taxonomy
Vít Hubka	PRC	Charles University in Prague	Czech Republic. Praha.	Mycology



International Plant Name Index (IPNI)

Search by plant name, author or publication



Advanced Search

Welcome to the International Plant Names Index (IPNI) produced by a collaboration between [The Royal Botanic Gardens, Kew](#)

publication) 1
plant names,
New records

Advanced Search

Plant Names

Authors

Publications

Search Plant Name Database

Family

Genus

Species

Infrafamily

Infragenus

Infraspecies

Author (standard form)

Publishing author only

Published in (standard form)

Plant name ID

Year published

Published after year

Published before year

Records added after

Records added before



The International Plant Names Index

Product of cooperation of:

The Royal Botanic Gardens, Kew (Index Kewensis, **IK)**

The Harvard University Herbaria (Gray Card Index, **GCI)**

Australian National Herbarium (Australian Plant Name Index, **APNI)**

IK – od roku 1885 (retrospektívne od 1753), vnútrodruhové mená iba od roku 1971

GCI – The Gray Herbarium Index of New World Plant Names

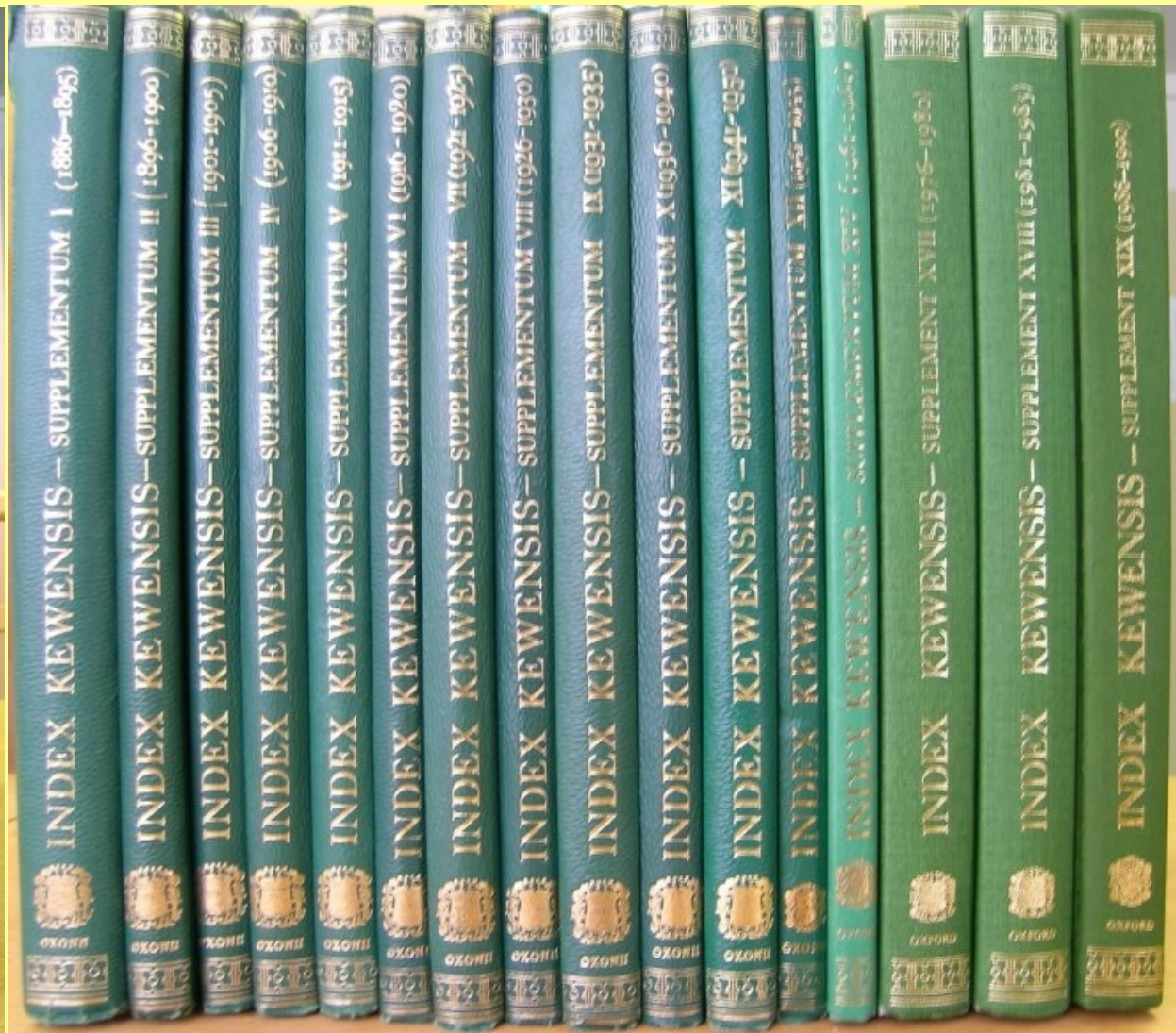
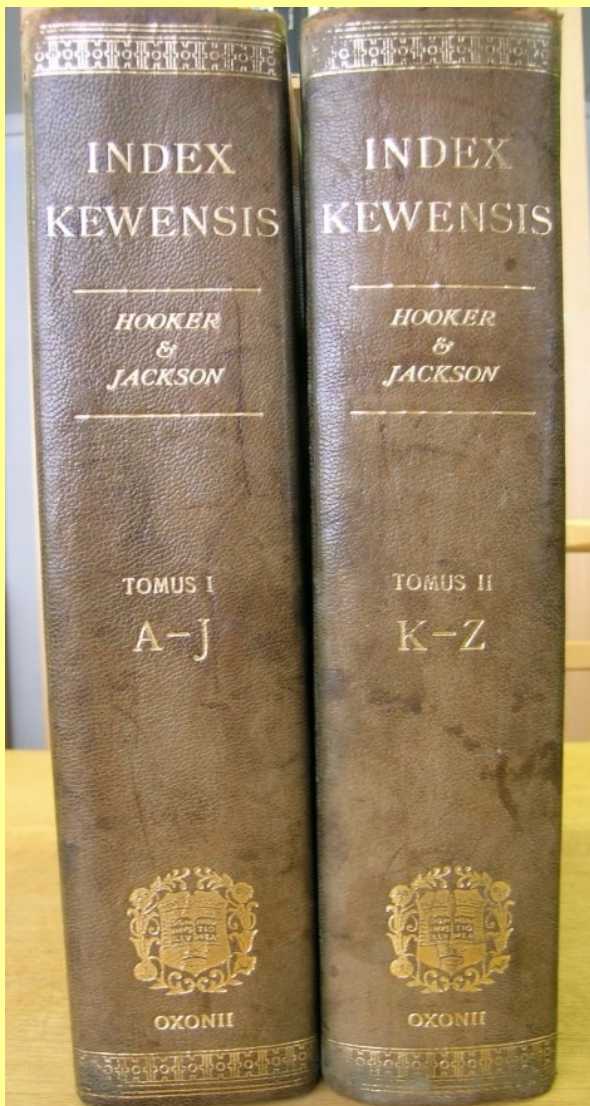
<http://www.ipni.org>

Gray Herbarium Card Index



Photos by Barbara Erter (U. Calif.)

Index Kewensis



NMNH Home > Research & Collections > Dept. of Botany > References > Index Nominum Genericorum (ING)



Index Nominum Genericorum (ING)

A compilation of generic names published for organisms covered by the *International Code of Botanical Nomenclature*.

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The Index Nominum Genericorum (ING), a collaborative project of the International Association for Plant Taxonomy (IAPT) and the Smithsonian Institution, was initiated in 1954 as a compilation of generic names published for all organisms covered by the International Code of Botanical Nomenclature. We are pleased to offer a way to search the ING database. We hope that those needing access to information about generic names of plants will use the index and will advise us of potential additions and corrections.

Ellen Farr and Gea Zijlstra, Editors

Introduction

The original intent of the *ING* was to bring all generic names of plants together in a single list to reveal homonymy between groups. In addition, *ING* includes bibliographic citations and information about the typification and nomenclatural status of generic names. The index was first published on sets of printed cards and then in book form in 1979 (Farr et al., 1979). A supplement was also published (Farr et al., 1986). While a second supplement is planned, we recognize that hard copy is immediately out of date, and for users with access to the Internet we believe that the World Wide Web offers promise as a useful platform for a collaborative project such as this. Current work on the *ING* is supported by the Smithsonian Institution, IAPT, and the University of Utrecht, Utrecht, The Netherlands. The content of the database was developed over a 40-year period by the efforts of more than 100 [collaborators](#). A number in parentheses identifying the collaborator appears at the end of each entry. We hope that the community of users will continue to contribute additions and corrections to the index.

Limitations

This electronic version must be considered a draft edition. The database is

<https://naturalhistory2.si.edu/botany/ing/>



Index Nominum Genericorum (ING)

A compilation of generic names published for organisms covered by the *ICN: International Code of Nomenclature for Algae, Fungi, and Plants*.

[Introduction](#)

[Help File](#)

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[Suggested Citation](#)

Search for a generic name in ING, Index Nominum Algarum, TROPICOS, and Index Fungorum. Results are displayed on a single page. Report problems to [Ellen Farr](#). [updated 24 Jan 2013]

Enter a Generic Name:

Submit

Reset

OR LIMIT SEARCH TO THE ING DATABASE.

Enter a word or phrase:

Submit

Reset

SELECT THE FIELD TO SEARCH:

[A maximum of 300 records will be returned.]

- Generic Name. All records with the name in the 'genus' or 'synonym' field will be displayed. The wild card character, *, may be used (e.g., *Asteranth** or **aster*).
- Name/Basionym for Type. Enter a species combination to see if it provides the type of a generic name. Enter a generic name to see all entries in which the type is cited by a combination in that generic name.
- Author. The 'Help File' (see menu at left) has information on entering diacritical marks.
- Family. See the 'Help File' (on menu at left) for limitations.

Response from [Index Nominum Genericorum \(ING\)](#)

[C] **Barbarea** W. T. Aiton, Hortus Kew. ed. 2. 4: 109. Dec 1812 (*nom. cons.*).

T.: *B. vulgaris* W. T. Aiton (*Erysimum barbarea* Linnaeus)

PHAN.-BRASSICACEAE (79/104) 01 Aug 2001

Barbarea Scopoli, Fl. Carniol. 522. 15 Jun-21 Jul 1760 (*nom. rej.*).

T.: *Dentaria bulbifera* Linnaeus

nom. rej. vs. *Barbarea* W. T. Aiton 1812 (*nom. cons.*)

PHAN.-BRASSICACEAE (11) 26 Oct 2016

Campe Dulac, Fl. Hautes-Pyrénées 199. 1867.

≡ *Barbarea* W. T. Aiton 1812 (*nom. cons.*)

PHAN.-BRASSICACEAE (79) 01 Aug 2001

Response from [Index Nominum Algarum](#)

No records were found for *Barbarea*.

Response from [TROPICOS](#)

[This content is presented in a frame.]

The screenshot shows the Tropicos website interface. At the top is the Tropicos logo and a navigation menu with links for Home, Names, Specimens, References, Projects, Images, More, Tools, MOBOT Sign In, Login, and a help icon. Below the navigation is a breadcrumb trail 'Home > Name Search' and a 'Choose Project' dropdown set to 'English'. The main heading is 'Name Search' with search controls (-F, +F, F). A search box contains 'Barbarea' and has 'Search' and 'Search Exact' buttons. There are also links for 'Advanced Search' and 'Search Tips'. Below the search box is a 'Common Name' field. A 'Group Filter' section contains checkboxes for various plant groups: Dicot, Monocot, Fern, Gymnosperm, Moss, Hepatic, Fungi, Algae, and Inco. An 'Export >>' button is located below the filters. At the bottom, a table displays search results. The table has columns for Family, Scientific Name, Author, and Reference. The first row shows Brassicaceae, Barbarea, Scop., and Fl. Carniol. 522. The second row shows Brassicaceae, Barbarea, W.T. Aiton, and Hortus Kew. 4: 109. The page number 'Page 1 of 1' is displayed above the table.

Home Names Specimens References Projects Images More Tools MOBOT Sign In | Login | ?

Home > Name Search Choose Project English

Name Search -F +F F

Name Barbarea Search Search Exact Advanced Search Search Tips

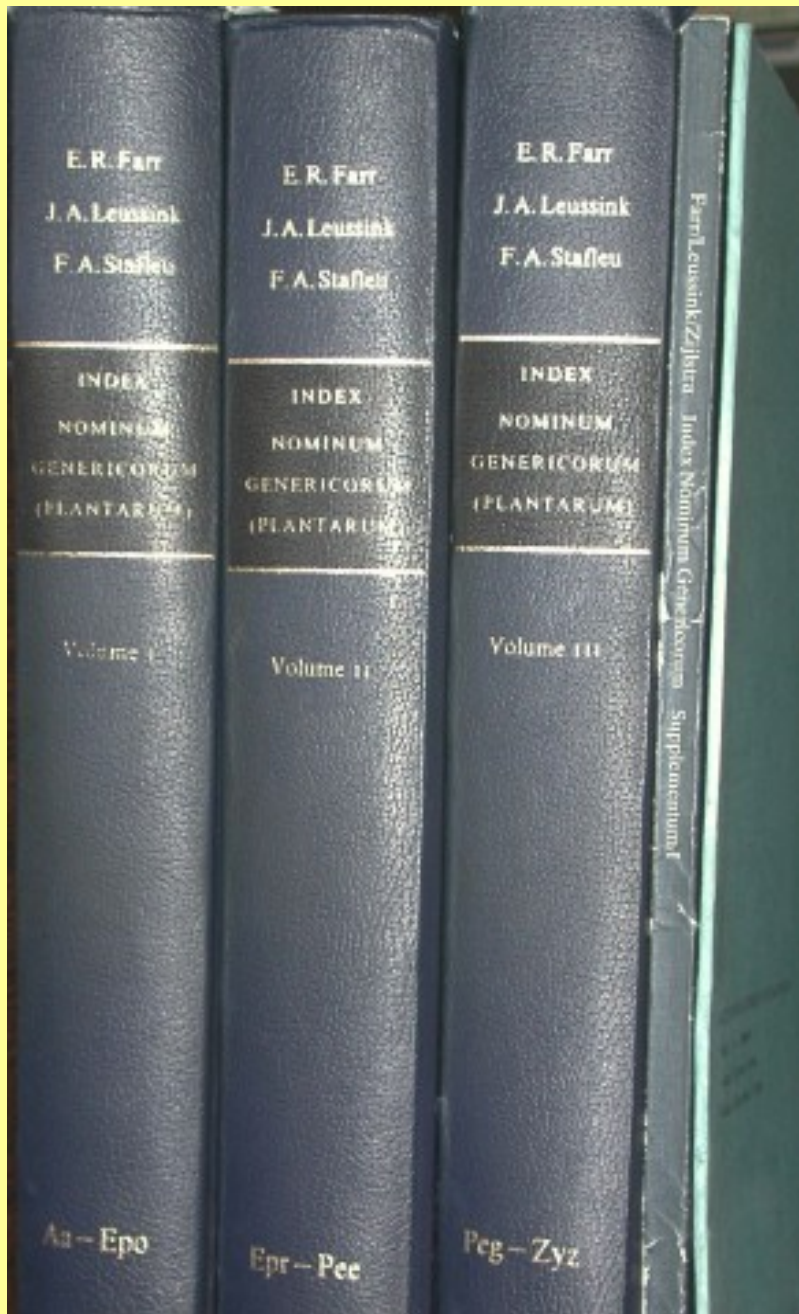
Common Name

Group Filter Dicot Monocot Fern Gymnosperm Moss Hepatic Fungi Algae Inco

Export >>

Records 1 - 2 of 2 Page 1 of 1

Family	!	Scientific Name ^	Author	Reference
Brassicaceae	*	Barbarea	Scop.	Fl. Carniol. 522
Brassicaceae	!!	Barbarea	W.T. Aiton	Hortus Kew. 4: 109



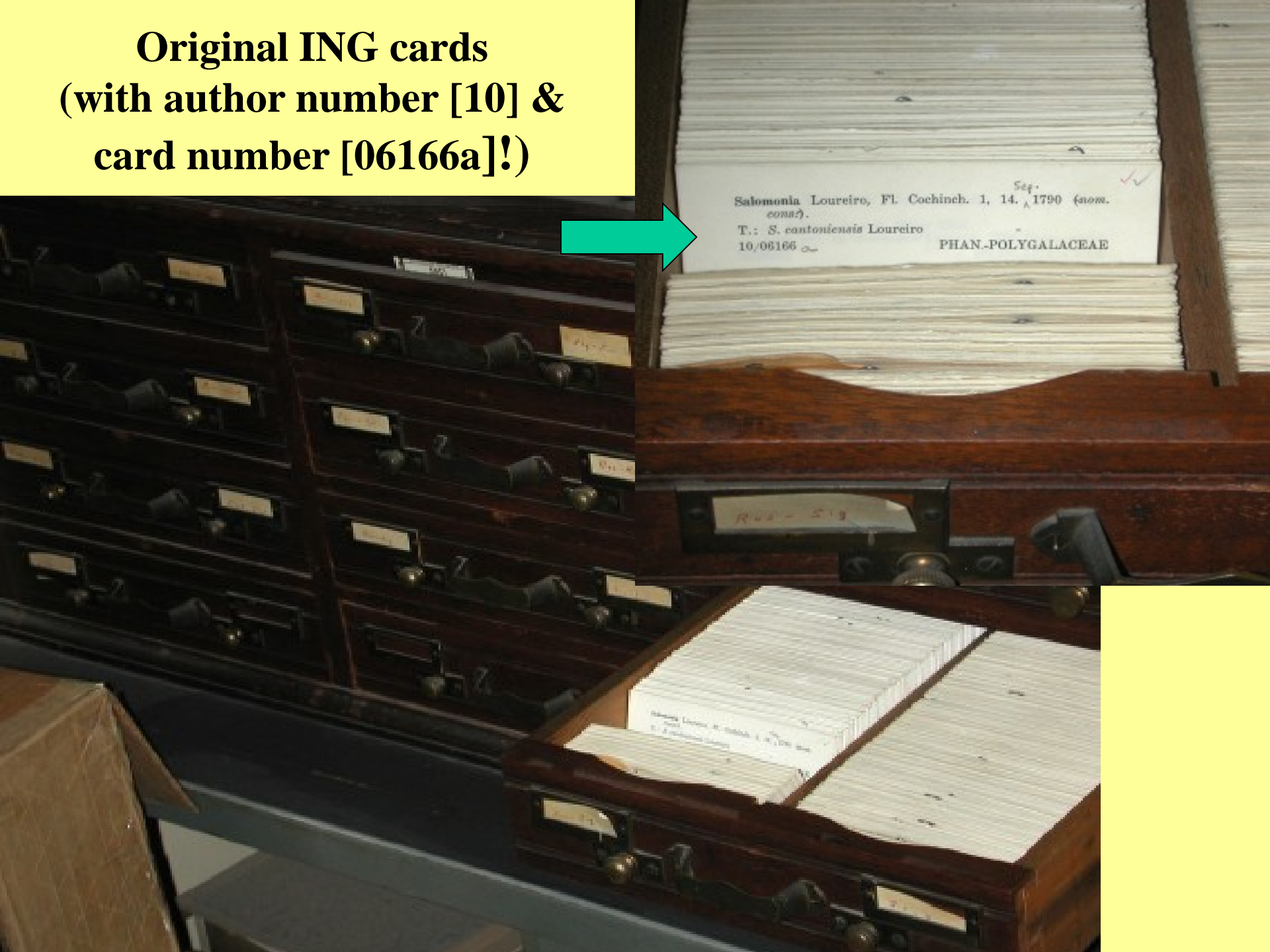
Farr, E. R., Leussink, J. A. & Stafleu, F. A. 1979. **Index nominum genericorum (plantarum), 1** (Aa-Epochnum). Regnum. Veg. 100.

Farr, E. R., Leussink, J. A. & Stafleu, F. A. 1979. **Index nominum genericorum (plantarum), 2** (Eprolithus-Peersia). Regnum. Veg. 101.

Farr, E. R., Leussink, J. A. & Stafleu, F. A. 1979. **Index nominum genericorum (plantarum), 3** (Pegaeophyton-Zyzygium). Regnum. Veg. 102.

Farr, E. R., Leussink, J. A. & Zijlstra, G. 1986. **Index nominum genericorum (plantarum). Supplementum I**. Regnum. Veg. 113.

**Original ING cards
(with author number [10] &
card number [06166a]!)**



Seq. ✓✓
Salomonella Loureiro, Fl. Cochinch. 1, 14, 1790 (nom.
cons.).
T.: S. cantoniensis Loureiro
10/06166
PHAN-POLYGALACEAE

R44-519



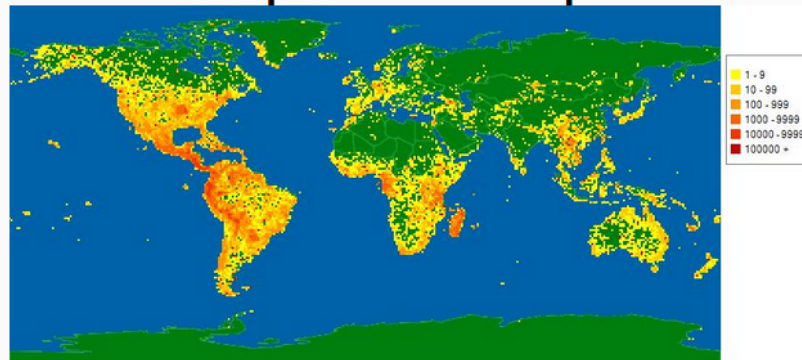
The Tropicos database links over 1.36M scientific names with over 4.99M specimens and over 880K digital images. The data includes over 158K references from over 54.1K publications offered as a free service to the world's scientific community.

Search Type Scientific Nar ▾

Quick Name Search

Please enter a scientific name to search.

Specimen Heat Map



Specimen Country Map



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Cardamine schinziana O.E. Schulz



[Details](#) [Images \(1\)](#) [References \(1\)](#) [Subordinate Taxa \(2\)](#) [Specimens \(1\)](#)

Group: Dicot **Rank:** species **Kind:** Name of a new Taxon **Herbarium Placement:** Lehmann, lower, F, 105

Authors:

Schulz, Otto Eugen

Published In: Botanische Jahrbücher für Systematik, Pflanzengeschichte und Pflanzengeographie 32: 503. (Bot. Jahrb. Syst.) 



Higher Taxa:  Taxonomy Browser

Concept: [details](#)

- **class:** Equisetopsida C. Agardh
- **subclass:** Magnoliidae Novák ex Takht.
- **superorder:** [Rosanae Takht.](#)
- **order:** Brassicales Bromhead
- **family:** !!Brassicaceae Burnett
- **genus:** *Cardamine* L.

Other names for this basionym:

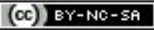
<https://www.tropicos.org/name/100352397> *schinziana* (O.E. Schulz) Ohwi

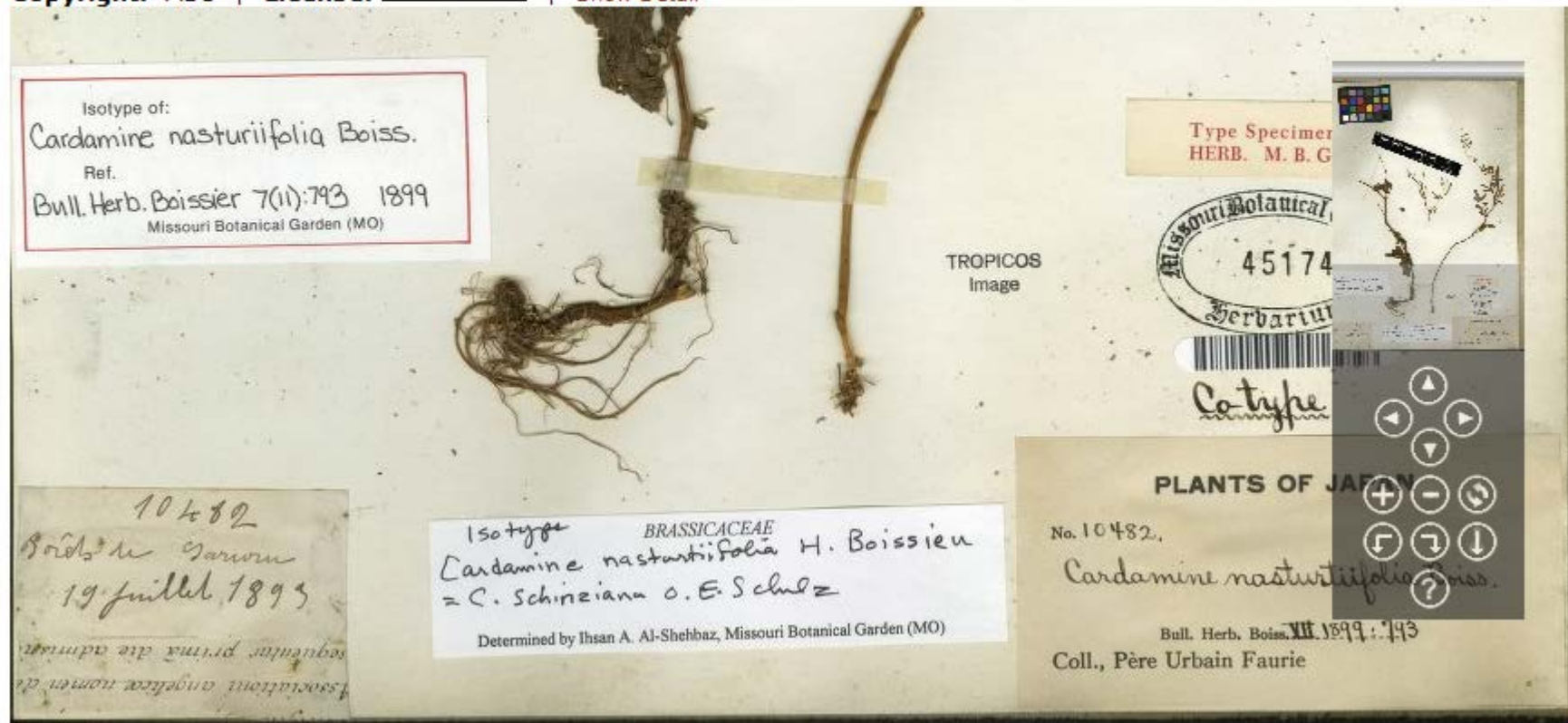
Home > Image Search > Cardamine schinziana O.E. Schulz

Tropicos ▾ English ▾

Cardamine schinziana O.E. Schulz - Type Specimen

-F +F F


Copyright: MBG | License:  | [Show Detail](#)



Dentaria bulbifera L.         



Details Accepted Names (1) Specimens Chromosome Counts (4)

Group: Dicot **Rank:** species **Kind:** Name of a new Taxon **Herbarium Placement:** Lehmann, lower, F, 105 

Authors:

Linnaeus, Carl von

Higher Taxa:  Taxonomy Browser

Concept: System ▾ details

- class: Equisetopsida C. Agardh
- subclass: Magnoliidae Novák ex Takht.
- superorder: Rosanae Takht.
- order: Brassicales Bromhead
- family: !!Brassicaceae Burnett
- genus: *Dentaria* L.

Other names for this basionym:

Cardamine bulbifera (L.) Crantz



Projects: IPCN

Keywords: MC, IPCN

Dentaria bulbifera L.         



Details Accepted Names (1) Specimens Chromosome Counts (4)

- *Cardamine bulbifera* (L.) Crantz 
 -  Warwick, S. I., A. Francis & I. A. Al-Shehbaz. 2006. Brassicaceae: Species checklist and database on CD-Rom. *Pl. Syst. Evol.* 259: 249–258.

The Plant List

A working list of all plant species

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Kew



MISSOURI
BOTANICAL
GARDEN



Global
Compositae
Checklist



IOPI

The Plant List (TPL) was a working list of all known plant species produced by the botanical community in response to Target 1 of the 2002-2010 Global Strategy for Plant Conservation (GSPC). TPL has been static since 2013, but was used as the starting point for the Taxonomic Backbone of the **World Flora Online (WFO)**, and updated information can be found at www.worldfloraonline.org.

WFO is being developed by a consortium of leading botanical institutions worldwide in response to the 2011-2020 GSPC's updated Target 1: to achieve an online Flora of all known plants by 2020. WFO welcomes feedback from users for improvements to its Taxonomic Backbone which is curated by a growing community of WFO Taxonomic Expert Networks (TENs).

The Plant List is a working list of all known plant species. It aims to be comprehensive for species of Vascular plant (flowering plants, conifers, ferns and their allies) and of *Bryophytes* (mosses and liverworts).

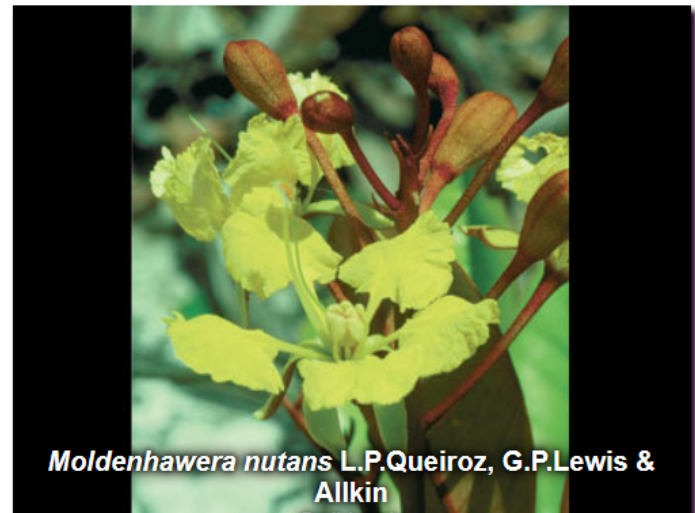
Collaboration between the Royal Botanic Gardens, Kew and Missouri Botanical Garden enabled the creation of The Plant List by combining multiple checklist data sets held by these institutions and other [collaborators](#).

Version 1.1 (September 2013) replaces Version 1.0 which [remains accessible here](#). Version 1.1 includes new data sets, updated versions of the original data sets and improved algorithms to resolve logical conflicts between those data sets.

Search

Enter a Genus (eg *Ocimum*) or genus and species (eg *Ocimum basilicum*).

? will match a single character. * will match any number of characters.
Use at least three letters in the genus name if you include a ? or *.



Moldenhawera nutans L.P.Queiroz, G.P.Lewis & Allkin

<http://www.theplantlist.org/>

Results

46 plant name records match your search criteria *Cardamine pratensis*. The results are below.

The names found have these generic epithets:

- *Cardamine*; species epithets begin with: P

The results can also be [downloaded as a CSV file](#) (Unicode UTF-8 encoding).

See "Status", "Confidence level", "Source" for definitions.

Sort the name records using the buttons.

Name	Status	Confidence level	Source	Date supplied
<i>Cardamine pratensis</i> L.	Accepted	★★★	WCSP (in review)	2012-03-23
<i>Cardamine pratensis</i> f. <i>alpina</i> Engl.	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine pratensis</i> var. <i>angustifolia</i> Hook.	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine pratensis</i> subsp. <i>angustifolia</i> (Hook.) O.E.Schulz	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine pratensis</i> f. <i>arctica</i> O.E.Schulz	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine pratensis</i> var. <i>atlantica</i> Emb. & Maire	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine pratensis</i> subsp. <i>atlantica</i> (Emb. & Maire) Greuter & Burdet	Accepted	★★★	WCSP (in review)	2012-03-23
<i>Cardamine pratensis</i> subsp. <i>chinensis</i> O.E.Schulz	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine pratensis</i> subsp. <i>crassifolia</i> (Pourr.) O.Bolòs & Vico	Synonym	★★★	WCSP (in review)	2012-03-23

Kew

MISSOURI
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IOP1

THE NEW YORK
BOTANICAL GARDEN★★ *Cardamine pratensis* L. is an accepted nameThis name is the **accepted** name of a species in the genus *Cardamine* (family *Brassicaceae*).The record derives from **WCSP (in review)** (data supplied on 2012-03-23) which reports it as an **accepted** name with original publication details: *Sp. Pl.* 656 1753.Full publication details for this name can be found in IPNI: [urn:lsid:ipni.org:names:45334-2/](http://www.ipni.org:names:45334-2/).

Synonyms:

See "Status", "Confidence level", "Source" for definitions.

Sort the name records using the buttons.

Name	Status	Confidence level	Source	Date supplied
<i>Cardamine acaulis</i> Berg	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine buchtormensis</i> Willd. ex DC.	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine dentata</i> var. <i>palustris</i> (Wimm. & Grab.) Khatri	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine fontinalis</i> Schur	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine fossicola</i> Godet	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine fragilis</i> Degl.	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine grandiflora</i> Hallier	Synonym	★★★	WCSP (in review)	2012-03-23
<i>Cardamine hayneana</i> var. <i>iliciana</i> Fritsch	Synonym	★★★	WCSP (in review)	2012-03-23

Explore the data

Find out about

Check a plant name

WFO
The World Flora Online



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An Online Flora of All Known Plants

Supporting the Global Strategy for Plant Conservation

1,422,002 names, 381,959 from accepted species, 57,419 images,
160,127 names with descriptions, 36,166 with distributions and 182,001 with references.

Search by species, genus or family name, or any words describing the plant

 Search

<http://www.worldfloraonline.org/>

wfo-0000586435

Cardamine amara L.

Sp. Pl. : 656 (1753)

This name is reported by [Brassicaceae](#) as an accepted name in the genus [Cardamine](#) (family [Brassicaceae](#)).

The record derives from **WCSP (in review)** which reports it as an accepted name

Description

Distribution map

Included Subspecies

Synonyms

Nationally Preferred Names

Other Local Names

Bibliography

Cite taxon page as 'WFO (2022): *Cardamine amara* L. Published on the Internet; <http://www.worldfloraonline.org/taxon/wfo-0000586435>. Accessed on: 29 Oct 2022'

Morphology

Stängel 10–60 cm hoch, markig, kantig, aufrecht oder aufsteigend, meist unverzweigt, kahl oder behaart. Blätter gefiedert, **mit 4–10 Fiederpaaren** und grösserem Endabschnitt, die grundständigen nicht rosettig angeordnet. **Kronblätter weiss**, sel

Source: [1]. Provided by: [B].[Flora Helvetica – Illustrierte Flora der Schweiz](#)

Ecology

5–6. Gräben, Bäche, kollin-subalpin(-alpin). CH.

Source: [1]. Provided by: [B].[Flora Helvetica – Illustrierte Flora der Schweiz](#)



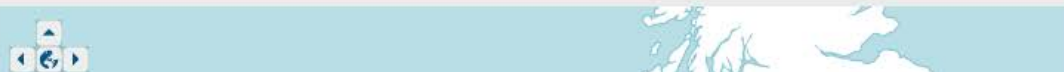
Classification

[Angiosperms](#)
[Brassicales](#) Bromhead
[Brassicaceae](#) Burnett
[Cardamine](#) L.
Cardamine amara L.
6 subordinate taxa

Provided by: [A].[Brassicaceae](#),
[D].[World Flora Online Consortium](#)



Distribution Map



Data

Habitat

Life
Form

Welcome to Plants of the World Online

Browse 1,198,000 global plant names, 113,000 detailed descriptions, and 306,200 images

Search by keyword



Featured: *Lysimachia arvensis*
Image from Stuppy & Kessler

Transferring data from www.plantsoftheworldonline.org...

<http://www.plantsoftheworldonline.org/>

Family: *Brassicaceae* Burnett

Genus: *Cardamine* L.

Cardamine hirsuta L.

This species is accepted, and its native range is Temp. & Subtropical Northern Hemisphere to Old World Tropical Mountains.



[Descriptions](#)

[Images](#)

[Distribution](#)

[Synonyms](#)

[Other Data](#)

[Bibliography](#)

[Sources](#)



▼ Descriptions

▼ According to Flora of Somalia

[FSOM]

M. Thulin et al. Flora of Somalia, Vol. 1-4 [updated 2008] <https://plants.jstor.org/collection/FLOS>

Morphology > General > Habit

Annual to 20 cm high or more

Morphology > Stem

Stems glabrous or sparsely hairy

Morphology > Leaves

Leaves glabrous or hairy above, pinnate with a terminal leaflet and 2–6 pairs of smaller lateral leaflets, the lower in a rosette with reniform terminal leaflet and rounded lateral leaflets

Descriptions

Images

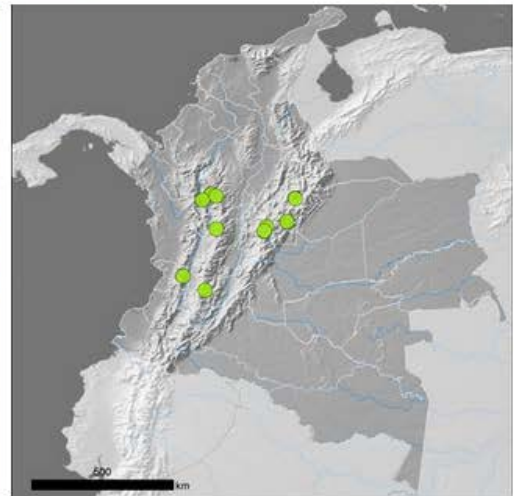
Distribution

Synonyms

Other Data

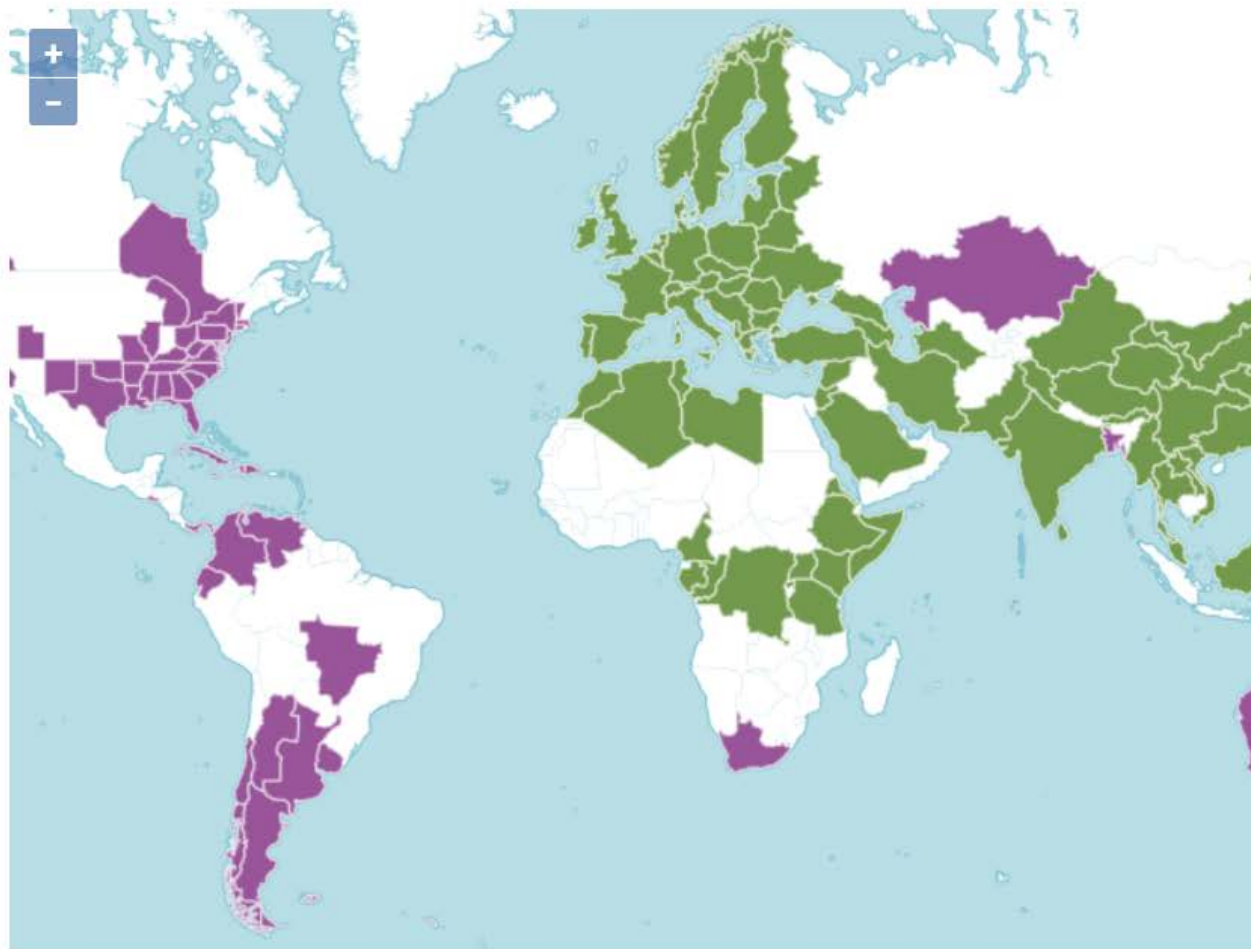
Bibliography

Sources



▼ Distribution

 KBD



 Native  Introduced

LCVP, The Leipzig catalogue of vascular plants, a new taxonomic reference list for all known vascular plants

[Martin Freiberg](#) , [Marten Winter](#), [Alessandro Gentile](#), [Alexander Zizka](#), [Alexandra Nora Muellner-Riehl](#), [Alexandra Weigelt](#) & [Christian Wirth](#)





[Scientific Data](#) **7**, Article number: 416 (2020) | [Cite this article](#)

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Abstract

The lack of comprehensive and standardized taxonomic reference information is an impediment for robust plant research, e.g. in systematics, biogeography or macroecology. Here we provide an updated and much improved reference list of 1,315,562 scientific names for all described vascular plant species globally. The Leipzig Catalogue of Vascular Plants (LCVP; version 1.0.3) contains 351,180 accepted species names (plus 6,160 natural hybrids), within 13,460 genera, 564 families and 84 orders. The LCVP a) contains more information on the taxonomic status of global plant names than any other similar resource, and b) significantly improves the reliability of our knowledge by e.g. resolving the taxonomic status of ~181,000 names compared to The Plant List,



	13
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	13
	1

Leipzig Catalogue of Vascular Plants (LCVP) and R Package to Query Data

Dataset id: 1806 **Version:** 47 File uploaded: upload unstructured data (27.08.2020) ▾

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⌵ **Data Provider Contact Details**

Name



<https://idata.idiv.de/ddm/Data/ShowData/1806>



Search taxa

 Misapplied names

[Advanced Search](#)

Classification

 Plantae


Euro+Med PlantBase - Preview of the new data portal

Euro+Med Plantbase covers all native and introduced vascular plants from Europe, the Mediterranean and the Caucasus. At present, hybrids and taxa below the rank of subspecies are not treated.

Euro+Med PlantBase integrates and critically evaluates information from *Flora Europaea*, *Med-Checklist*, *Flora of Macaronesia* and from regional and national floras and checklists as well as additional taxonomic and floristic literature. This is complemented by the European and Mediterranean taxa of several families taken from the World Checklist of Selected Plant Families (WCSP) and of the *Leguminosae* from the International Legume Database and Information Service (ILDIS). Euro+Med PlantBase is continuously updated by an international network of taxonomic and regional editors and advisers, coordinated by the Euro+Med PlantBase Secretariat at the Botanic Garden Berlin.

Euro+Med PlantBase is now accessible via a new data portal, which is still partly under development. The new portal makes full use of the [EDIT Platform for Cybertaxonomy](#) and all data have been migrated from the old system to the new. One of the most important features of the new portal is that corrections and additions to the database, e.g. new taxa and new area records, are immediately visible on the taxon pages.

The new data portal is not yet in its final version and there are still a number of known issues that have to be solved. However, because updating of the old database has been discontinued, the Euro+Med PlantBase Secretariat has decided to put the new portal online for review and information access.

Feedback

Please send any comments, suggestions for improvement, corrections etc. to the Euro+Med Secretariat, Berlin, BGBM:

e.raab-straube [at] bo.berlin

Search taxa

 Misapplied names[Advanced Search](#)

Classification

Hieracium

H. acidotoides aggr.

H. alatum

H. alpinum

H. atalum

H. exsiliosculum

H. gudbrandii

H. holosericeum

H. includens

H. kaldalonense

H. notabile

H. pentaploideum

H. perlaniferum

Search name in ...

General

[African Plant Database](#)

[Online Atlas of the British and Irish Flora](#)

[Flora of Cyprus](#)

[Pladias \(Czech Republic\)](#)

[Kasviatlas \(Finland\)](#)

[Tela Botanica \(France\)](#)

[Atlas floristique des Pyrénées/Atlas de la Flora de los Pirineos \(Pyrenees\)](#)

[Floraweb \(Germany\)](#)

[Flora von Bayern \(Bavaria, Germany\)](#)

[Flora of Greece Web](#)

[Flora of Israel](#)

[Portale della Flora d'Italia](#)

[Flora Iberica \(Portugal, Spain, Andorra\)](#)

[Flora-On \(Portugal\)](#)

[Infoflora \(Switzerland\)](#)

[POWO \(Plants of the World Online\)](#)

[WFO \(World Flora Online\)](#)


Conservation

[IUCN Red List \(International Union for Conservation of Nature\)](#)

Specimens/Occurrences

[GBIF \(Global Biodiversity Information Facility\)](#)

[JACQ \(database for 43 mainly European and Caucasian herbaria, e.g. B, BAK, BP, ERE,](#)

[Plantae](#) > [Tracheophyta](#) > [Spermatophytina](#) > [Magnoliopsida](#) > [Asternae](#) > [Asterales](#) > [Compositae](#) > [Cichorieae](#) > [Hieracium](#) > [H. alpinum](#)  ...

Hieracium alpinum

Source: Greuter, W. (2006+): Compositae (pro parte majore). – In: Greuter, W. & Raab-Straube, E. von (ed.): Compositae. Euro+Med Plantbase - the information resource for Euro-Mediterranean plant diversity.

Hieracium alpinum L., Sp. Pl.: 800. 1753

= *Hieracium pumilum* Willd., Sp. Pl. 3: 1562. 1803 [non *Hieracium pumilum* L. 1771]

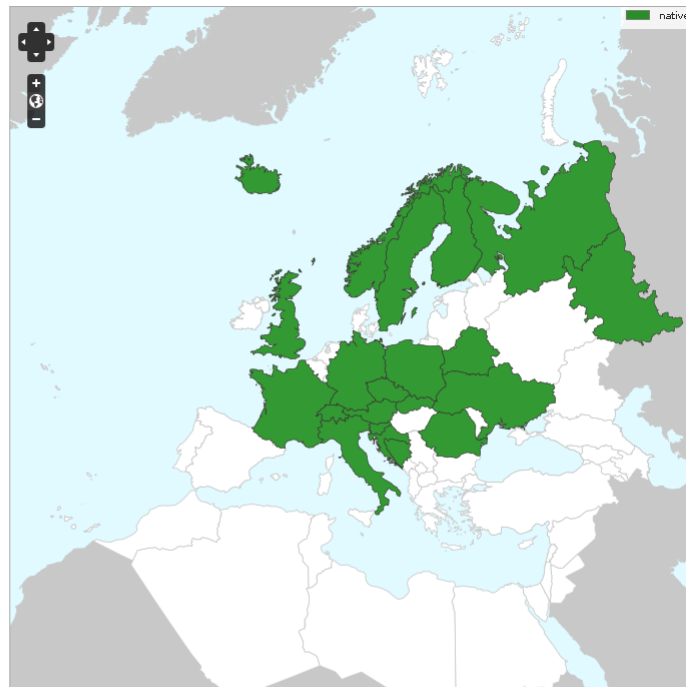
– *Hieracium alpinum* subsp. *anzascae*, nom. inval.


– *Hieracium alpinum* subsp. *glandulicaule*, nom. inval.

Content

- [Distribution](#)
- [Common Names](#)
- [Bibliography](#)

Distribution



Au(A L) BH Br By Cs Ct Fe Ga(F) Ge He Is It No Po Rf(E N) Rm Sk Sl Su Uk 

Euro+Med: Austria, with Liechtenstein (Austria^{A,B}, Liechtenstein); Belarus^C; Bosnia-Herzegovina^D; Croatia^{E,F}; Czech Republic^G; Finland^{H,I,J}; Former Yugoslavia; France, with Channel is. and Monaco (France^{K,L}); Germany^{B,M,N,O}; Great Britain; Iceland; Italy^{B,P,Q,R}; Norway^I; Poland^{S,T}; Romania^{S,U}; Russia (European Russia^V, N European Russia^{L,W}); Slovakia^S; Slovenia^{X,Y}; Sweden^I; Switzerland^{AA,B,Q,Z}; Ukraine



The most complete authoritative list of the world's species - maintained by hundreds of global taxonomists - [Learn more](#)



OCTOBER 20, 2022

MONTHLY RELEASE OCTOBER 2022

Monthly release October 2022 of the Catalogue of Life Checklist

SEPTEMBER 25, 2022

MONTHLY RELEASE SEPTEMBER 2022

Monthly release September 2022 of the Catalogue of Life Checklist

AUGUST 30, 2022

ANNUAL RELEASE 2022

Annual release 2022 of the Catalogue of Life Checklist

COL Version: 2022-10-20

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 - ▶ kingdom: [Animalia](#)
 - ▶ kingdom: [Archaea](#)
 - ▶ kingdom: [Bacteria](#) Cavalier-Smith, 2002
 - ▶ kingdom: [Chromista](#)
 - ▶ kingdom: [Fungi](#)
 - ▶ kingdom: [Plantae](#)
 - ▶ kingdom: [Protozoa](#)
- ▼ unranked: [Viruses](#)
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 - ▶ realm: [Riboviria](#)

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Cardamine pratensis L.

COL Identifier	R4LD
Name	<i>Cardamine pratensis</i> L.
Published in	Linnaeus, C. von. Sp. Pl. 2: 656. (1753).
Checklist status	accepted species
Classification	unranked: Biota > kingdom: Plantae > phylum: Tracheophyta > class: Magnoliopsida > order: Brassicales Bromhead > family: Brassicaceae > genus: Cardamine > species: Cardamine pratensis L.
Additional Data	tribe: Cardamineae
Source dataset	Brassicaceae: Update on the Brassicaceae Species Checklist 100% ★★★★★

Cardamine occulta Hornem.

COL Identifier	87BVP
Name	<i>Cardamine occulta</i> Hornem.
Published in	Hornemann, J.W. Hort. Bot. Hafn., Suppl.: 71. (1819).
Checklist status	accepted species
Synonyms and Combinations	<ul style="list-style-type: none"> = <i>Cardamine arisanensis</i> Hayata [?] = <i>Cardamine flexuosa</i> subsp. <i>debilis</i> O.E.Schulz [?] = <i>Cardamine hirsuta</i> var. <i>flaccida</i> Franchet [?] = <i>Cardamine koshiensis</i> Koidz. [?] = <i>Cardamine flexuosa</i> var. <i>occulta</i> (Hornem.) O.E.Schulz [?] = <i>Cardamine hamiltonii</i> G.Don [?] = <i>Cardamine autumnalis</i> Koidz. [?] = <i>Cardamine debilis</i> D.Don [?] = <i>Cardamine brachycarpa</i> Franch. [?]
Classification	unranked: Biota > kingdom: Plantae > phylum: Tracheophyta > class: Magnoliopsida > order: Brassicales Bromhead > family: Brassicaceae > genus: Cardamine > species: Cardamine occulta Hornem.

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World Checklist of Selected Plant Families (WCSP)

Quick Search <https://wcsp.science.kew.org/>

[Find name](#)

Enter family names in full and use the wildcard character (*) for partial matches on genus and species.

WCSP is an international collaborative programme ([view contributors](#)) that provides the latest peer reviewed ([view reviewers](#)) and published opinions on the accepted scientific names and synonyms of selected plant families. It allows you to search for all the scientific names of a particular plant, or the areas of the world in which it grows (distribution).

The checklist includes 200 Seed Plant families ([View list of included families](#)). Different families are in different stages of review as indicated in the family list. There are currently more than 155 contributors from 22 countries.

To perform a more detailed search go to the [Advanced Search Page](#).

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Key to status abbreviations & family reviewers

R = review completed. [View list of reviewers](#)

RH = review completed and hard copy published. [View list of reviewers](#)

UR = under review (partially reviewed).

NR = not yet reviewed.

LR = recently reviewed in the literature.

GR = part of a geographical review.

Family	Status	Nr of species on 01/01/2017
Achatocarpaceae	NR	10
Acoraceae	RH	2
Aextoxicaceae	LR	1
Agapanthaceae (=Amaryllidaceae)		
Agavaceae (=Asparagaceae)		
Akaniaceae	LR	2
Alangiaceae (=Cornaceae)		
Alismataceae	R	111
Alliaceae (=Amaryllidaceae)		

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[Acorus calamus var. angustatus Besser, Flora 17\(Beibl.\): 30 \(1834\).](#)

[Acorus calamus var. angustifolius \(Schott\) Engl. in A.L.P.de Candolle & A.C.P.de Candolle, Monogr. Phan. 2: 217 \(1879\).](#)

[Acorus calamus var. belangeri \(Schott\) Engl. in A.L.P.de Candolle & A.C.P.de Candolle, Monogr. Phan. 2: 217 \(1879\).](#)

[Acorus calamus var. calamus.](#)

[Acorus calamus var. europeus Raf., Med. Fl. 1: 26 \(1828\).](#)

[Acorus calamus var. spurius \(Schott\) Engl. in A.L.P.de Candolle & A.C.P.de Candolle, Monogr. Phan. 2: 217 \(1879\).](#)

[Acorus calamus f. submersa Glück, Biol. Morphol. Untersuch. Wasser- Sumpfgewächse 3: 10 \(1911\).](#)

[Acorus calamus var. verus L., Sp. Pl.: 324 \(1753\).](#)

[Acorus calamus subsp. vulgaris \(L.\) Ehrh., Hannover. Mag. 18: 220 \(1780\).](#)

[Acorus calamus var. vulgaris L., Sp. Pl.: 324 \(1753\).](#)

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Name Overview[Synonyms](#)[Accepted by](#)[Further information](#)

Acorus calamus L., Sp. Pl.: 324 (1753).

This name is accepted.

Distribution: Asia, N. America
(10) den fin for grb ice ire nor sva swe (11) aut bgm cze ger hun net pol swi (12) fra (13) alb bul ita rom sic tue yug (14) blr blt kry ruc rue run rus ruw ukr (27) cpp ofs 30 ALT BRY CTA IRK KRA TVA WSB YAK 31 AMU KAM KHA KUR PRM SAK 32 KAZ KGZ UZB (33) ncs tcs 36 CHC CHH CHI CHM CHN CHQ CHS CHT CHX 37 MON 38 JAP KOR 40 ASS BAN EHM IND LDV MDV NEP pak SRL WHM (41) and CBD MYA THA VIE 42 BOR JAW LSI MLY PHI SUL (43) nwg 70 ASK NWT 71 ABT BRC MAN SAS 72 NBR NFL† NSC ONT PEI QUE (73) col IDA MNT ore WAS 74 ILL† IOW KAN MIN mso NDA† NEB okl SDA WIS 75 CNT INI† MAI MAS MIC NWH NWJ† NWY OHI PEN RHOT† VER wva (76) cal (77) tex (78) ala ark del geo kty lou mry msi nca sca ten VRG† WDCT

Lifeform: Hemicr. or rhizome geophyte

Family: Acoraceae

Original Compiler: R.Govaerts

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Acorus calamus L., Sp. Pl.: 324 (1753).

Here you can find additional information about this plant.

Images:

- [Google Image Search](#) – searches Google images for this accepted name.

General:

- [ePIC](#) – searches Kew resources.
- [Wikispecies](#) (Wikimedia foundation) – searches Wikispecies, a free species directory.

Specimens, distribution and conservation:

- [Herbarium Catalogue](#) – searches Kew's specimen records and digital images currently available online.
- [GBIF](#) – Global Biodiversity Information Facility, contains primarily specimen and type information.
- [Tropicos](#) – searches the Missouri Botanical Garden research data, particularly specimen and type information.

Descriptions and use:

- [Biodiversity Heritage Library](#) – accesses protologues and descriptions.

Molecular, chemical and DNA:

- [NCBI](#) – US National Library of Medicine.
- [GenBank](#) at NCBI, National Center for Biotechnology Information – accesses genetic sequence data.

- [IPNI](#) – is a database of the names and associated

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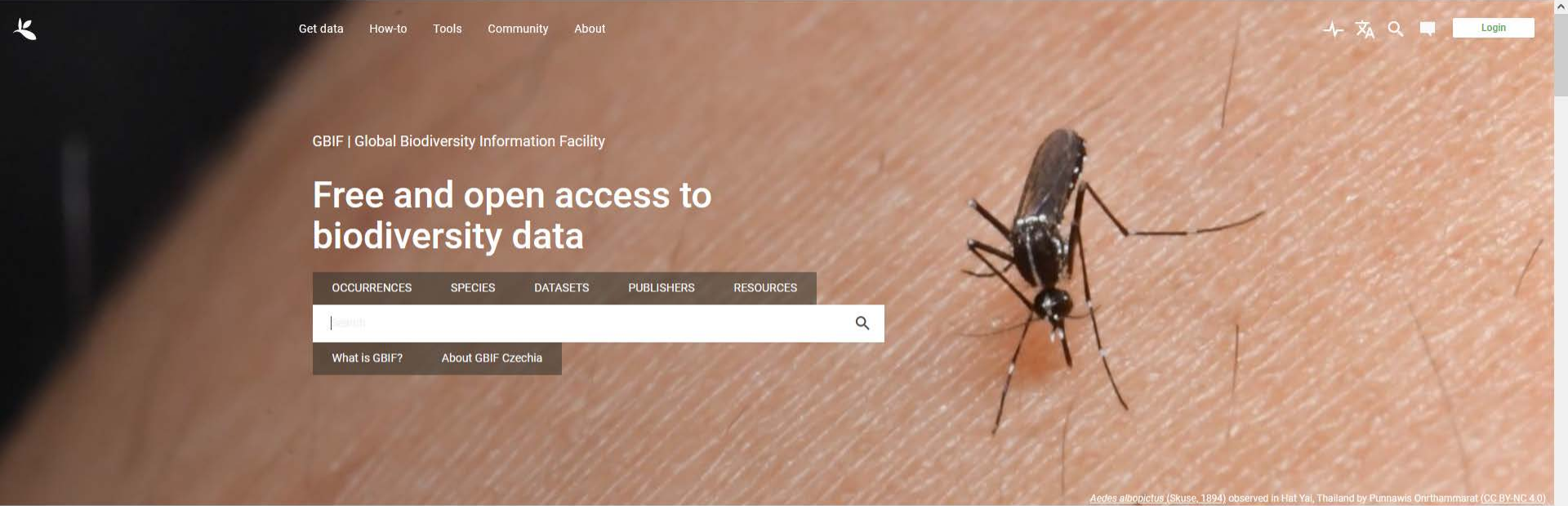
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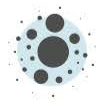
GBIF | Global Biodiversity Information Facility

Free and open access to biodiversity data

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- About GBIF Czechia

Aedes albopictus (Skuse, 1894) observed in Hat Yai, Thailand by Punnawis Onrthammarat (CC BY-NC 4.0)



2,246,468,528

Occurrence records



79,025

Datasets



1,926

Publishing institutions



7,894

Peer-reviewed papers using data



DATA ABOUT CZECHIA

381,070

Occurrences

678

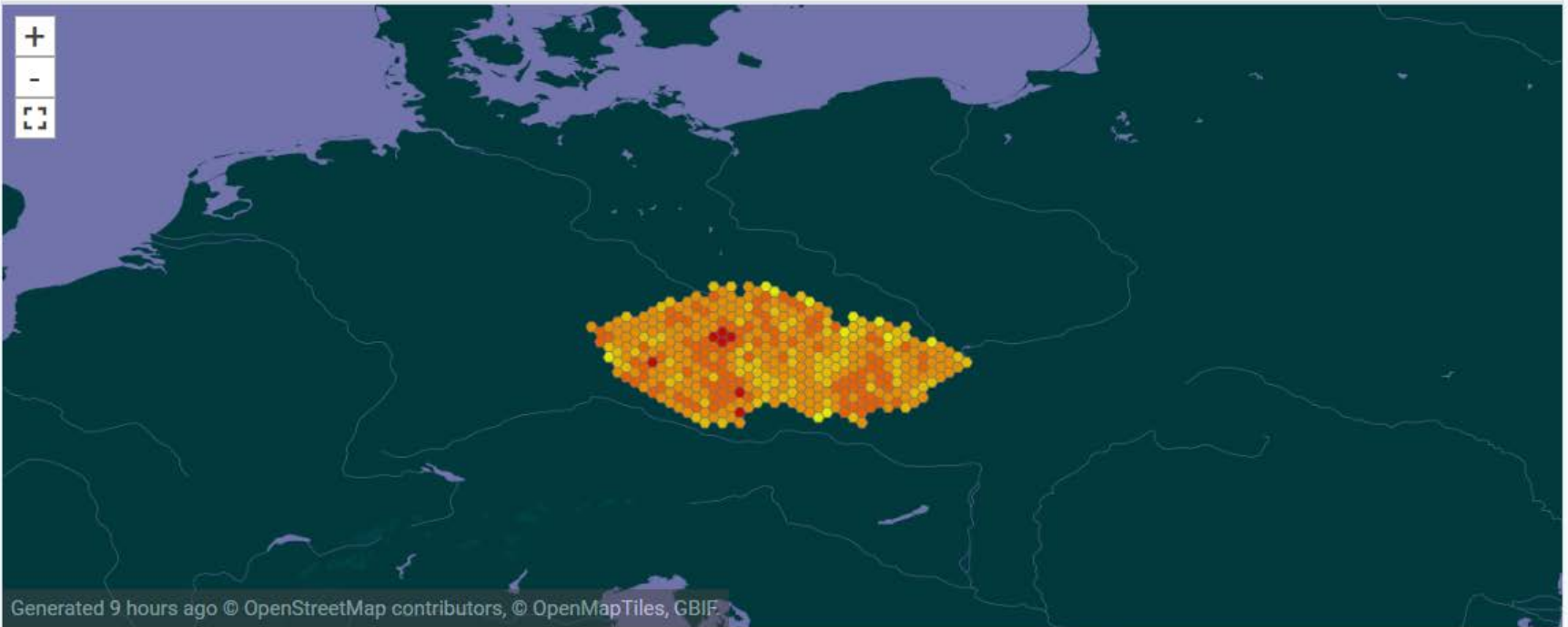
Datasets

34

Countries and areas contribute data

272

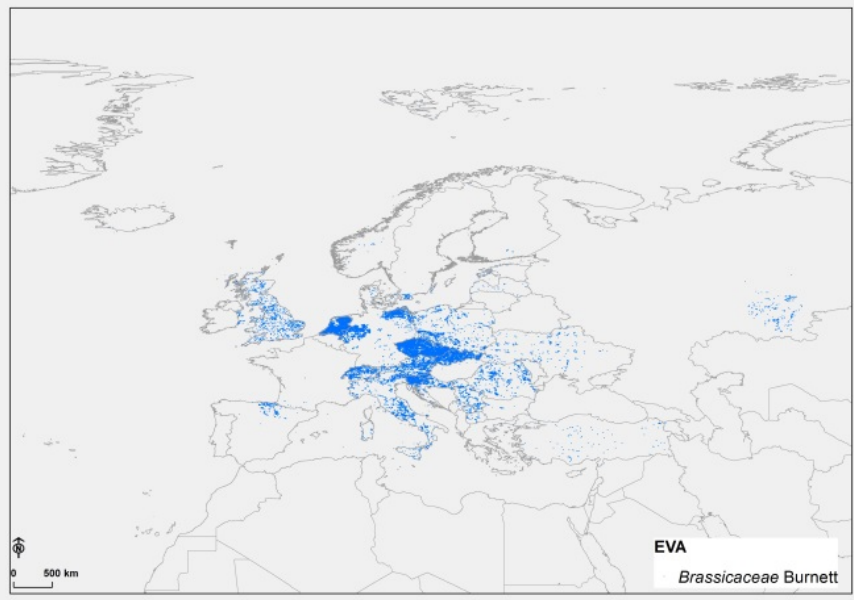
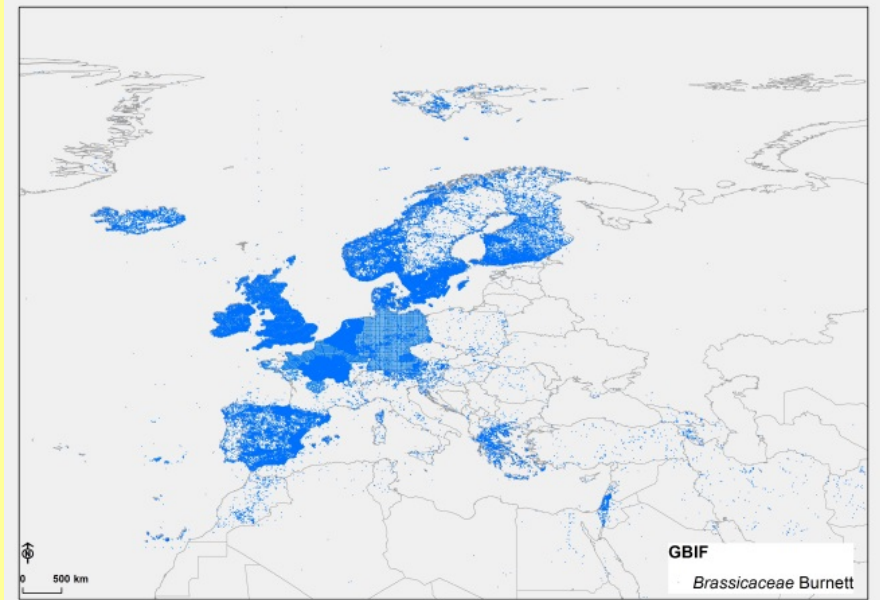
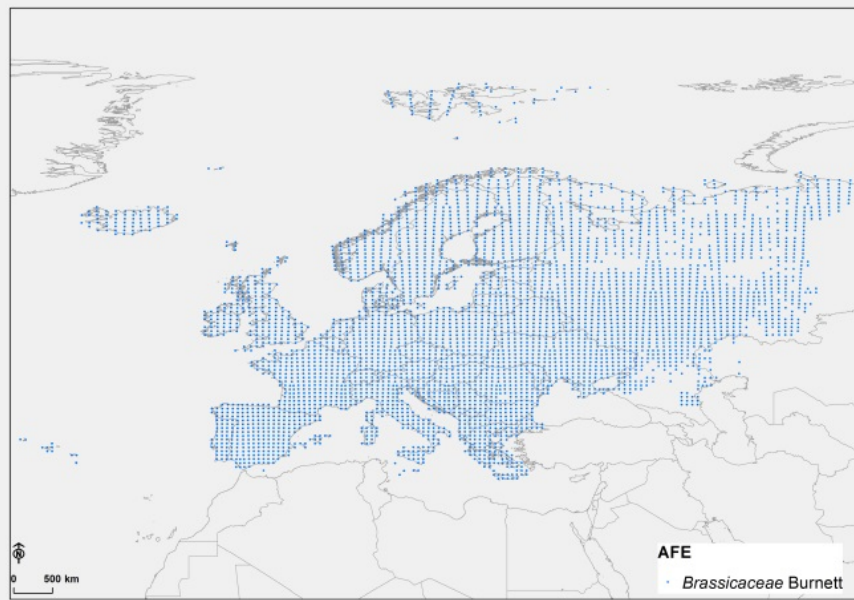
Publishers



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Any year 1700 - 2019

EXPLORE AREA [Map interaction icons]





SPECIES | ACCEPTED

Alyssum montanum L.

Published in: Sp. pl. 2:650. 1753, nom. cons. prop. source: Catalogue of Life

In: GBIF Backbone Taxonomy

Mountain alison In English

7,642 OCCURRENCES 13 INFRASPECIES

OVERVIEW METRICS REFERENCE TAXON ↔

1,754 OCCURRENCES WITH IMAGES




4,752 GEOREFERENCED RECORDS





SEARCH OCCURRENCES | 7,642 RESULTS

TABLE GALLERY MAP TAXONOMY METRICS  DOWNLOAD

	Scientific name	Country or area	Coordinates	Month & year	Basis of record
	<i>Alyssum montanum</i> L.	Germany	49.8N, 7.7E	2019 February	Human observation
	<i>Alyssum montanum</i> L.	Germany	49.8N, 7.8E	2019 February	Human observation
	<i>Alyssum montanum</i> subsp. <i>gmelinii</i> (Jord...	Germany	49.4N, 8.6E	2019 March	Human observation
	<i>Alyssum montanum</i> subsp. <i>gmelinii</i> (Jord...	Germany	49.3N, 8.6E	2019 March	Human observation
	<i>Alyssum montanum</i> subsp. <i>montanum</i>	Germany	49.8N, 7.8E	2019 March	Human observation
	<i>Alyssum montanum</i> subsp. <i>gmelinii</i> (Jord...	Germany	49.3N, 8.5E	2019 March	Human observation
	<i>Alyssum montanum</i> L.	Germany	48.9N, 10.1E	2019 April	Human observation
	<i>Alyssum montanum</i> subsp. <i>gmelinii</i> (Jord...	Germany	49.3N, 8.5E	2019 April	Human observation
	<i>Alyssum montanum</i> L.	Germany	48.9N, 10.2E	2019 April	Human observation
	<i>Alyssum montanum</i> L.	Germany	50.1N, 8.7E	2019 April	Human observation
	<i>Alyssum montanum</i> subsp. <i>gmelinii</i> (Jord...	Germany	49.3N, 8.5E	2019 April	Human observation
	<i>Alyssum montanum</i> subsp. <i>gmelinii</i> (Jord...	Germany	49.3N, 8.8E	2019 April	Human observation
	<i>Alyssum montanum</i> subsp. <i>gmelinii</i> (Jord...	Germany	49.3N, 8.9E	2019 April	Human observation

 FILTERS



Synced 5 days ago
Modified 7 February 2019

OCCURRENCE | 6 JULY 2017

Alyssum montanum L.

Mountain alison In English Collected in Sweden

Plantae > Tracheophyta > Magnoliopsida > Brassicales > Brassicaceae > *Alyssum*

Species: [Alyssum montanum L.](#)

Location: Europe > Sweden

Basis of record: Preserved specimen

Dataset: [Lund Botanical Museum \(LD\)](#)

Publisher: [Lund Botanical Museum \(LD\)](#)





Basis of record PRESERVED_SPECIMEN
Collection code General
Institution code LD

Catalogue number 2034387
Individual count 1
Occurrence ID LD:General:2034387
Recorded by Åke Svensson, Charlotte Wigermo

Event

Day 6
Month 7
Year 2017
Event date 2017-07-06T00:00:00

Taxon

Kingdom Plantae
Phylum Tracheophyta
Class Magnoliopsida
Order Brassicales
Family Brassicaceae
Genus Alyssum
Specific epithet montanum
Nomenclatural code ICN
Scientific name *Alyssum montanum* L.
Rank SPECIES
Taxonomic status ACCEPTED

Location

Continent EUROPE
Country or area Sweden
Country code SE
County Follingbo
Decimal latitude 57.58974
Decimal longitude 18.36543
Geodetic datum WGS84
Locality Slättfishage
State province Gotland

Other

Identifier LD:General:2034387
Record license [http://creativecommons...-nc/4.0/
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Biological Collection Access Service

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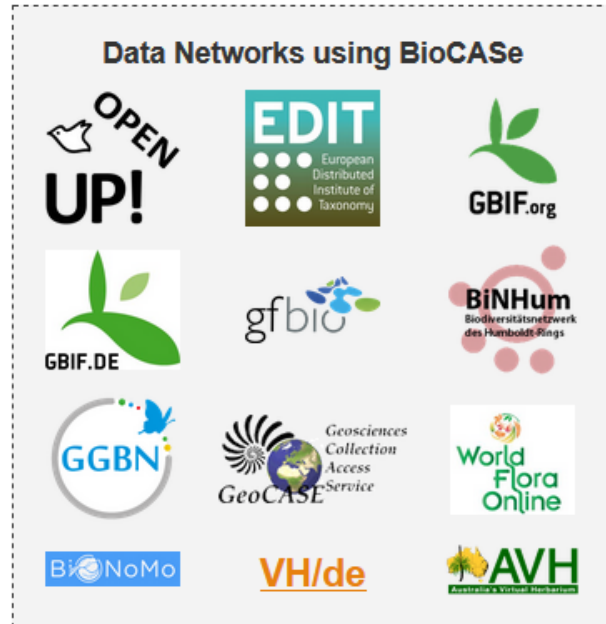
Ursus maritimus

Search


A network of primary biodiversity repositories


The Biological Collection Access Service (BioCASE) is a transnational network of primary biodiversity repositories. It links together specimen data from natural history collections, botanical/zoological gardens and research institutions worldwide with information from huge observation databases.

The aim is to make the world's data on biodiversity data freely and universally accessible on the Internet through data portals and web services, a goal that BioCASE shares with related initiatives such as the [Global Biodiversity Information Facility \(GBIF\)](#)  and [Integrated Digitized Biocollections \(iDigBio\)](#) . In the past years, BioCASE has developed into a widely accepted standard for data sharing and has laid the foundations for several thematically - both taxonomically and geographically - specialized networks (see box to the right). [Read more](#)



BG
BM | Botanischer Garten &
Botanisches Museum
Berlin

The [BioCASE secretariat](#) is based at the [Botanic Garden and Botanical Museum Berlin](#)  and will be happy to answer any questions regarding BioCASE.

BioCASE is the GBIF Participant Node for the [Consortium of European Taxonomic Facilities](#) .



<http://www.biocase.org>



SPECIMEN AND OBSERVATION EXPLORER FOR TAXONOMISTS

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[Thesaurus configuration](#) [Preferences](#) [Help](#)



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Record basis:

not specified:	213
observation:	2,689
specimen:	2,693
type specimen:	10
Number of units:	5,605

Preview [\(Show/Hide query\)](#)

5,605 matching units (specimens and observations).

Select the data you are interested in (using the checkboxes)

Sc.Names	HigherTaxa	Genus	Family	Common	Country	Collector	Institution	Collection	Basis
Select/Deselect all data									
<input checked="" type="checkbox"/>	Alyssum montanum (5605 unit(s))								

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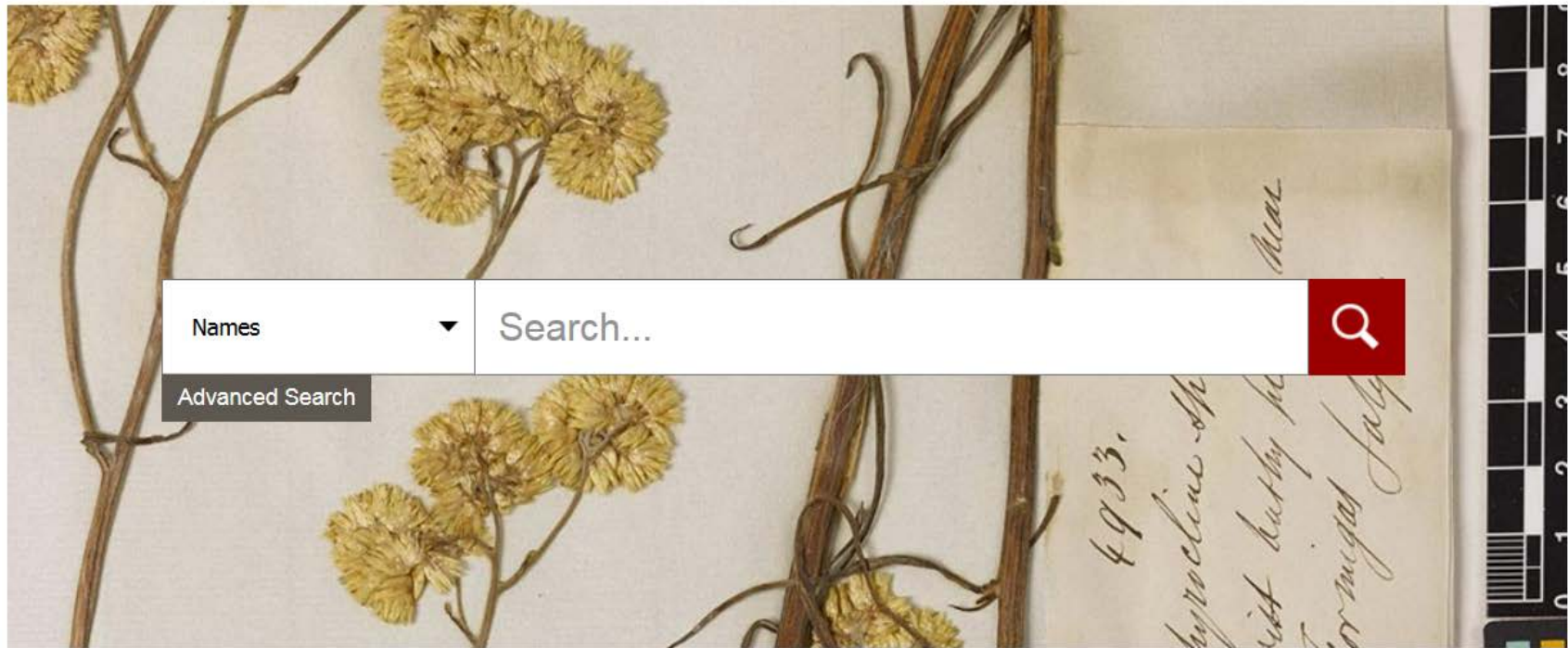
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To display other columns, or to increase the number of results shown per page, go to the [Preferences page](#).

» [See the details for the selected units](#) 

» [Download the details for the selected units](#) 

<input type="checkbox"/>	 Taxon name 	 Country 	 Collection 
<input type="checkbox"/>	Alyssum montanum	Greece	General
<input type="checkbox"/>	Alyssum montanum	Greece	General
<input type="checkbox"/>	Alyssum montanum	Greece	General
<input type="checkbox"/>	Alyssum montanum	Greece	General
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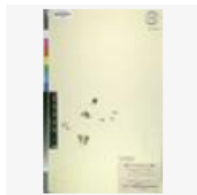
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<http://plants.jstor.org/>



Isotype of *Cardamine pusilla* Hochst. ex A. Rich. [family BRASSICACEAE]

Collector Schimper, G.W., #1311

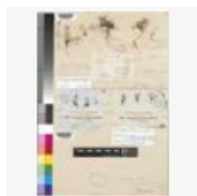
Collection date 1840/2/23

Country Ethiopia

Herbarium TUB, TUB000538

Identifications *Cardamine pusilla* Hochst. [family BRASSICACEAE] (stored under name); Verified Not on Sheet

Isotype of *Cardamine pusilla* Hochst. ex A. Rich. [family BRASSICACEAE]; Verified by Bräuchler, C., 2012/1/8



Isotype of *Cardamine pusilla* Hochst. [family CRUCIFERAE]

Collector Schimper, W., #1311

Collection date 23-02-1840

Country Ethiopia

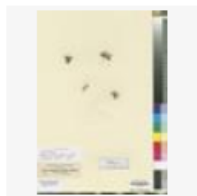
Herbarium K, K000230610

Identifications *Arabidopsis thaliana* (L.) Heynh. [family CRUCIFERAE] (stored under name); Verified by Jonsell, Bengt, 1976

Isotype of *Cardamine pusilla* Hochst. [family CRUCIFERAE]; Verified by Jonsell, Bengt, 1975

Arabidopsis thaliana unrecorded var. *pusilla* (Hochst ex. Rich.) O.E.Schulz [family CRUCIFERAE];

Sisymbrium pumilio Oliver [family CRUCIFERAE];



Isotype of *Cardamine pusilla* Hochst. ex A. Rich. [family CRUCIFERAE/BRASSICACEAE]

Collector Schimper, G.H.W., #1311

Collection date 1840/2/23

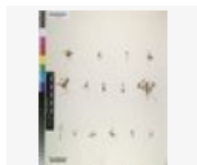
Country Ethiopia

Herbarium HBG, HBG506289

Identifications *Arabidopsis thaliana* (L.) Heynh. [family CRUCIFERAE/BRASSICACEAE] (stored under name); Verified by

HBG-formal name change, 2008/9/2

Isotype of *Cardamine pusilla* Hochst. ex A. Rich. [family CRUCIFERAE/BRASSICACEAE]; Verified Not on sheet



Isotype of *Cardamine pusilla* Hochst. ex A. Rich. [family CRUCIFERAE]

Collector Schimper, W., #1311

Collection date 1840/2/23

Country Ethiopia

Herbarium M, M0100000

Isotype of *Cardamine pusilla* Hochst. [family CRUCIFERAE]



Schimperi iter Abyssinicum.



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<u>Taxon</u>	Alyssum arenarium C. C. Gmel.	Alyssum arenarium C. C. Gmel.	Alyssum arenarium C.
<u>Collector</u>	Lengyel,G. s.n.	    Schur,P.J.F. s.n.	unclear
Date	1906-06	1###-05	
Location	 Hungary. Bács-Kiskun	 Romania	
Typus			
Collection Herb.#	PI 016134	LW 203448	B -W 11895 -00 0
Lat/Lon			



016134



Myrica arvensis Gr.
Hungaria Orientalis in serenis
ad Dinkler
1866
leg. Dr. G. Long

1817



Myrica arvensis Gr.
Hungaria Orientalis in serenis
ad Dinkler
1866
leg. Dr. G. Long





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PARATYPE

Rhododendron cravenii Danet

MNHN-P-P00971187



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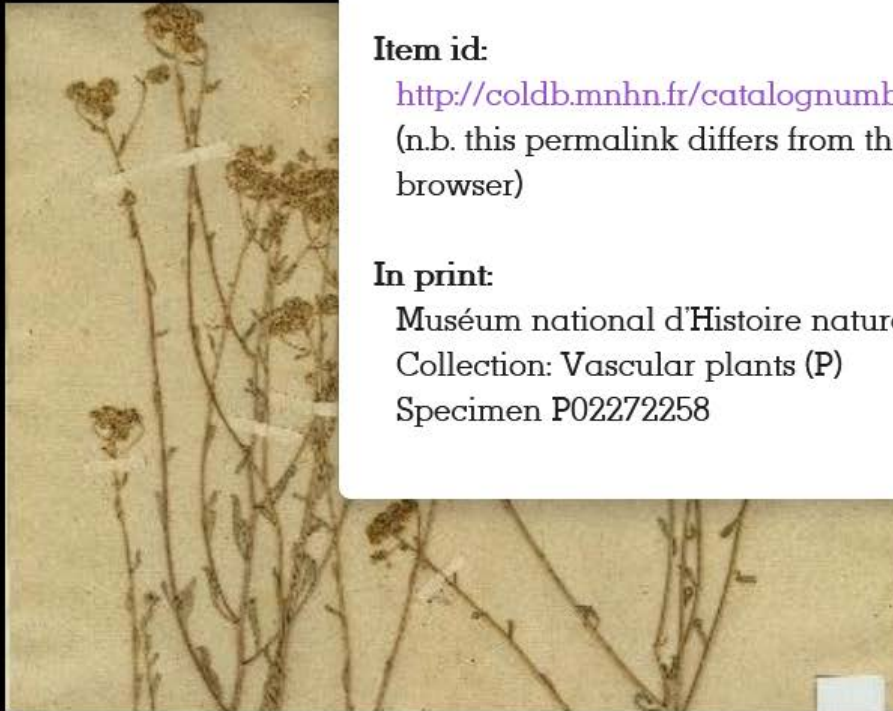
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Specimen P02272258



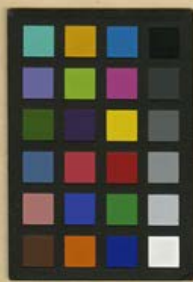
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HERB. MUS. PARIS



SYNTYPE
Alysum armenicum Bohn.
Fl. Orient. Decaisne 1 278.
1907 L. Apr. - Jan 1867

E. Bourgeau - H. Armeniae 1865.
Alyssum anatolicum L. var. *anatolicum* Bohn.
(Bohn.)
In *Passiva africana* var. *anatolicum* Bohn.
p. 100.

Herbier Muséum Paris
P02272233



SYNTYPE
Alysum
Aucher-Eloy-Herbier d'Orient N. 4095.
1895. *Alysum armenicum* Bohn. (var. *anatolicum*)
in *Revue de Botanique* par Aucher-Eloy.

Herbier Muséum Paris
P02272232





Database, 2017, 1–9

doi: 10.1093/database/bax003

Original article

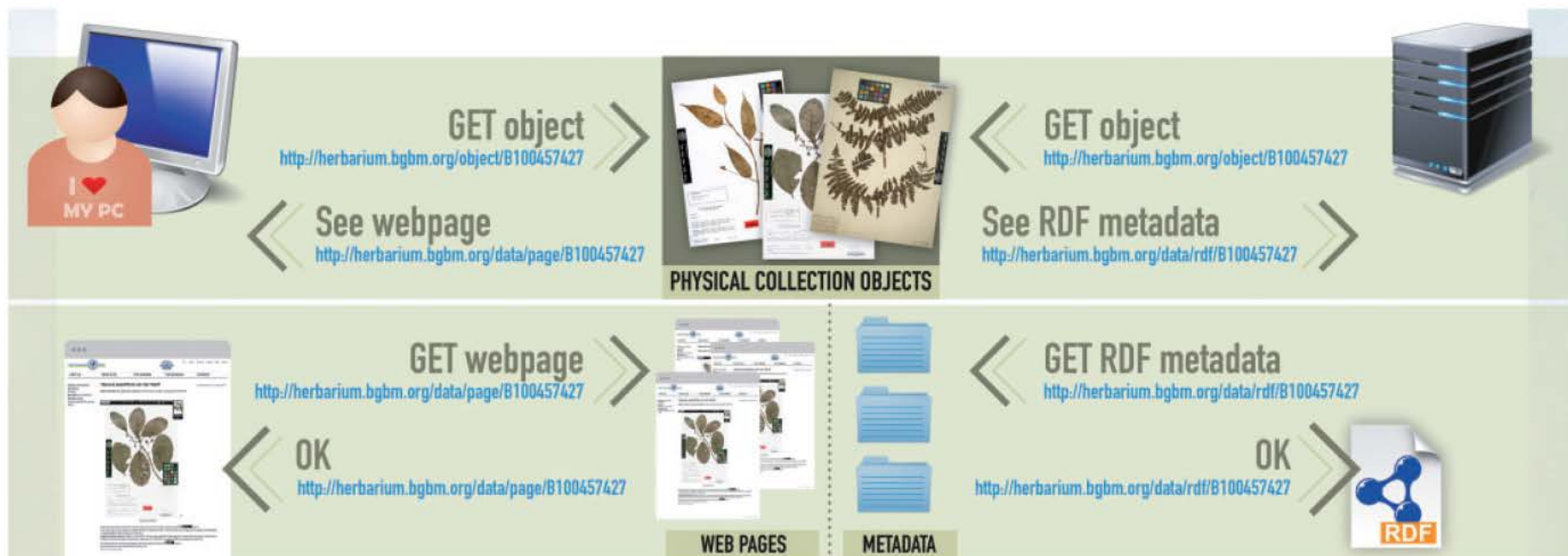
doi: 10.1093/database/bax003

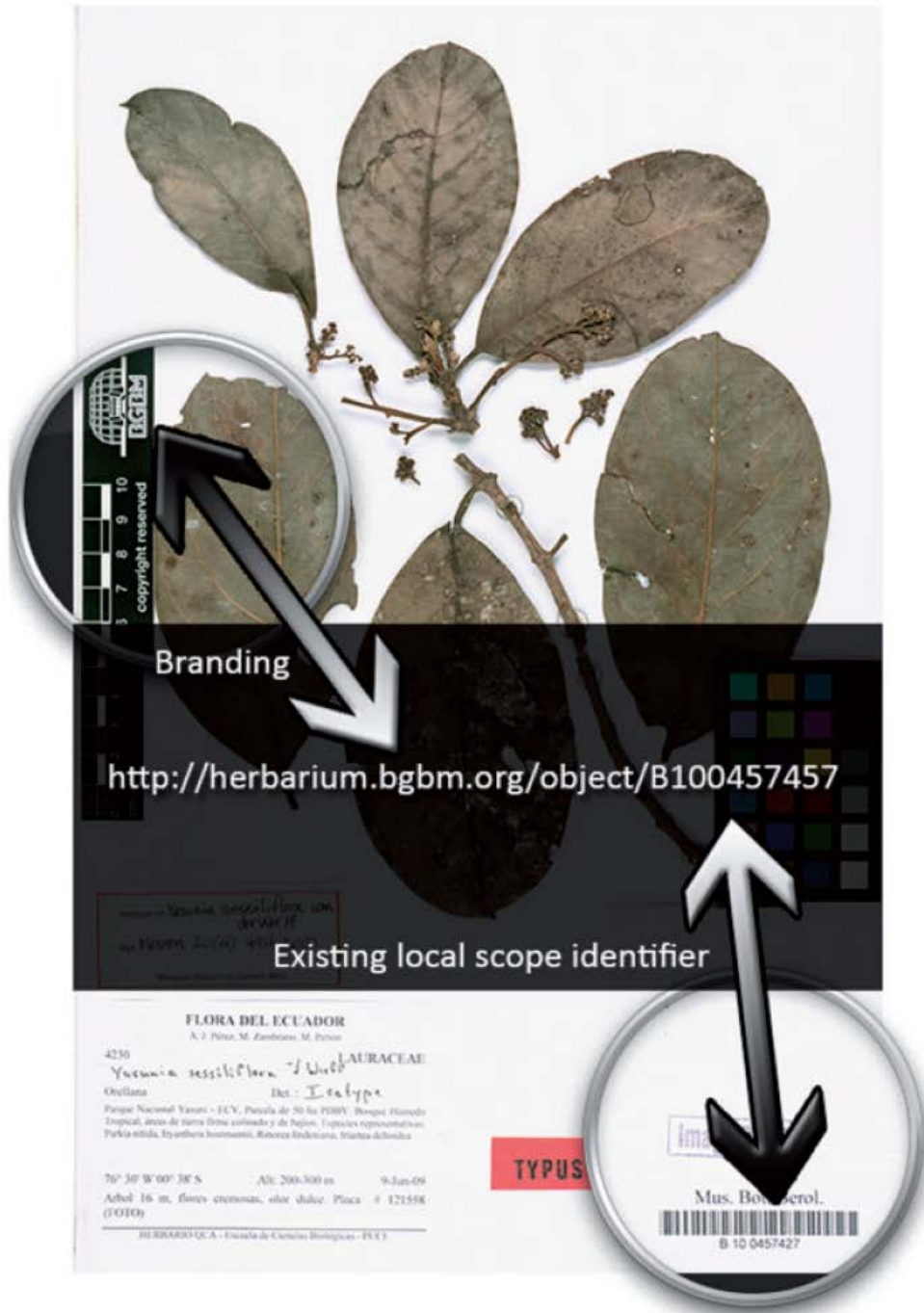
Original article

Actionable, long-term stable and semantic web compatible identifiers for access to biological collection objects

Anton Güntsch^{*,1}, Roger Hyam², Gregor Hagedorn³, Simon Chagnoux⁴, Dominik Röpert¹, Ana Casino⁵, Gabi Droege¹, Falko Glöckler³, Karsten Gödderz⁵, Quentin Groom⁶, Jana Hoffmann³, Ayco Holleman⁷, Matúš Kempa⁸, Hanna Koivula⁹, Karol Marhold^{8,10}, Nicky Nicolson¹¹, Vincent S. Smith¹² and Dagmar Triebel¹³

Cardamine occulta Hornem., Suppl. Hort. Bot. Hafn.: 71. 1819 (urn:lsid:ipni.org:names:280533-1:1.2) \equiv *Cardamine flexuosa* var. *occulta* (Hornem.) O.E.Schulz, Bot. Jahrb. Syst. 32: 479 (1903) (<http://biodiversitylibrary.org/page/185332>). Described from: “*Hab.* in China. C. intr. 1817”. **Lectotype (designated here, or perhaps holotype):** *Cardamine occulta* mihi, sponte provenit in terra e China al[l]ata, ex h. b. Hafn. *Hornemann s.n.* – C! (ex herb. Hornemann, C10021749). Epitype (designated here): China, Zhejiang Province, Linhai County, Kuocang Mountains (括苍山), ditch along the road, 28°50.35'N; 120°58.90'E, 79 m, 18 April 2014, *K. Marhold CH18/12/2014, Yunpeng Zhao* 赵云鹏, & *Ming Jiang* 蒋明 – SAV! (SAV0006529 [<http://ibot.sav.sk/herbarium/object/SAV0006529>]).





Branding

<http://herbarium.bgbm.org/object/B100457457>

Existing local scope identifier

FLORA DEL ECUADOR

A. J. Pérez, M. Zambrano, M. Peltzer

4230

Yucca sessiliflora J. Walp. LAURACEAE

Orchilana

Det.: J. Peltzer

Parque Nacional Yasuni - ECV, Parcela de 50 ha PD00V, Bosque Humedo
Impical, área de tierra firme colonada y de bajío, Especies representativas:
Parkia nitida, Erythrina horreorumii, Rorippa lindleyana, Branta distachya

76° 30' W 00° 28' S Alt: 200-300 m 9-Jun-09

Arbol 16 m, flores cremasas, olor dulce. Pícea + 121558
(FOTO)

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Mus. Bot. Berol.



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A

[A. Bettesworth and J. Batley.](#)
[A.C. van Eeden & Co.](#)
[Abbot, Henry L.](#)
[Abbot, John, \(1751 - 1840\)](#)
[Abert, J. W. \(1820 - 1897\)](#)
[Abert, John James, \(1788 - 1863\)](#)
[Abildgaard, Nicolai, \(1743 - 1809\)](#)
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[Ackermann, Johann Christian Gottlieb, \(1756 - 1801\)](#)
[Acosta, Cristóbal, \(ca. 1515 - ca 1592\)](#)
[Adair, John.](#)
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L

[LA Botanic Garden.](#)
[La Pérouse, Jean-Francois de Galaup, \(1741 - 1788\)](#)
[La Touanne, Edmond de,](#)
[Laan, Adolf van der, \(fl. 1717 - 1740\)](#)
[Labillardière, Jacques Julien Houton de, \(1755 - 1834\)](#)
[Laboratoire de cryptogamie \(Muséum national d'histoire naturelle\)](#)
[Laboratoire de phanérogamie \(Muséum national d'histoire naturelle\)](#)
[Labouret, J.](#)
[Laet, Joannes de, \(1593 - 1649\)](#)
[Lamarck, Jean Baptiste Pierre Antoine de Monet de, \(1744 - 1829\)](#)
[Lambert, Aylmer Bourke, \(1761 - 1842\)](#)
[Lamborn, Robert H., \(1835 - 1895\)](#)
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[Langhans, H.](#)
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[Langois.](#)
[Laning, E. \(Died 1866\)](#)
[Lankester, Phebe, \(1825 - 1900\)](#)
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[Ovarium](#)[Rossia](#)-powered by [uBio](#)

NON vidi.

2. f. **grandiflora** O. E. Schulz.

Petala —11 mm longa.

Hab. hic illic, praesertim in Rossia.3. f. **parviflora** O. E. Schulz.

Petala 4—5 mm longa, saepe staminibus breviora.

C. borealis Laest.? apud Nyman *Conspect.* 37 (1879), pro specie.

Crescit praecipue in Rossia et montibus altissimis.

○○ Ovarium c. 12-ovulatum. Antherae flavae.

Caulis non nitens.

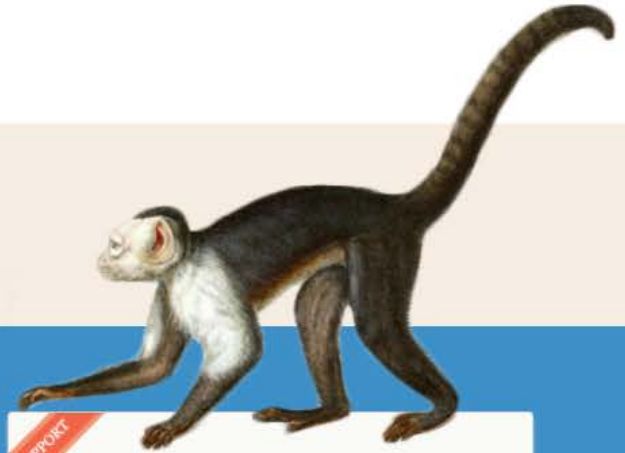
76. **C. Schinziana** O. E. Schulz.

Caulis 35—40 cm altus, erectus, simplex, subdense 12—15-folius, glaberrimus, ut tota planta. Folia omnia subaequalia, subminuta, caulina inferiora 4—7,5 cm longa, breviter (= 1/5 fol.) petiolata, 5-juga: foliolum terminale obovato-cuneatum, antice 3—5-crenatum, brevissime petiolulatum, 14 mm longum, 7,5 mm latum, lateralia sessilia, sensim minora, superiora anguste obovata, latere inferiore 1-crenata, inferiora valde alterna, integra; caulina superiora 2—3,5 cm longa, brevissime petiolata, 4—3—2-juga: foliola magis incisa, terminale anguste obovato-cuneatum, utrinque subinaequaliter profunde 2—3-crenato-serratum, 44 : 6 mm, lateralia latere superiore 1-, rarius 2-, inferiore profundius 1—2-lobulata; caulina summa minuta, 2—1-juga: foliola fere linearia, vix crenato-serrata. Racemus sub anthesi laxiusculus, subnutans, pauci- (c. 10-) florus. Pedicelli floriferi tenues, 9—14 mm longi. Flores 6—7 mm longi. Sepala ovata, acutiuscula, 2,5 mm longa. Petala alba, obovato-cuneata. Stamina interiora 4, exteriora 3,5 mm longa: antherae 0,75 mm longae, oblongiusculae, in sicco flavae. Ovarium c. 12-ovulatum, in stylum subulatum, 1 mm longum

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Область	Тип книги	Год	Название, формат и ссылка	Размер, Мб	Добавлено	Комментарий
Экология	Монография	1993	Каплин В.Г. Открытоживущие членистоногие семенных растений Гарагумов. Ашгабат, 1993, DjVu	18.3	20190412	
Экология	Монография	2010	Каплин В.Г. Структурно-функциональная динамика и организация растительных сообществ (на примере Восточных Каракумов). Самара, 2010, DjVu	4.5	20190412	
Методы	Монография	2018	Васильев А.Г. и др. Геометрическая морфометрия: от теории к практике. М., 2018, PDF	5.7	20190411	
Растения	Монография	1990	Баранова М.А. Принципы сравнительно-стоматографического изучения цветковых растений. Л., 1990, DjVu	1.3	20190407	
География	Монография	1947	Бессонов Ю.Н., Якубович В.Я. По внутренней Азии (Ч.Ч. Валиханов и	1.6	20190407	

<http://ashipunov.info/shipunov/school/sch-ru.htm>

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ПОКАЗАТЬ КНИГ***

Область ▲	Тип книги ◆	Год ◆	Название, формат и ссылка ◆	Размер, Мб ◆	Добавлено ◆	Комментарий
Бактерии	Определитель	2001	Кондратьева Н.В. Флора водорослей континентальных водоемов Украины. Прокариотические водоросли (Procauorhycobionta). Вып. 1. Общая характеристика. Ч. 2. Экология, значение, вопросы систематики. К., 2001, DjVu	13.9	20111013	
Водоросли	Монография	1960	Музафаров А.М. Флора водорослей стока Амударьи. Ташкент, 1960, DjVu	9.1	20151106	
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Водоросли	Монография	2006	Комулайнен С.Ф. и др. Альгофлора озер и рек Карелии. Таксономический состав и экология. Петрозаводск, 2006, PDF	0.7	20120405	
Грибы	Определитель	2010	Flora Slovenska. X/2. Taphrinales. Братислава, 2010, DjVu	8.9	20160219	
Грибы	Определитель	1980	Мелик-Хачатрян Дж.Г. Агариковые (шляпочные) грибы (Agaricales). [Микофлора Армении. Т. 5]. Ереван, 1980, DjVu	13.6	20160118	
Грибы	Определитель	1977	Тетеревникова-Бабаян Д.Н. Ржавчинные грибы. [Микофлора Армении. Т. 4]. Ереван, 1977, DjVu	4.4	20160118	
Грибы	Определитель	1983	Тетеревникова-Бабаян Д.Н. Сферопсидальные грибы с бесцветными одноклеточными конидиями. [Микофлора Армении. Т. 6. Ч. 1]. Ереван, 1983, DjVu	9.2	20160118	
Грибы	Определитель	1967	Ульянишев В.И. Пероноспоровые грибы. [Микофлора Азербайджана. Т. 4]. Баку, 1967, DjVu	9	20160118	
Грибы	Определитель	1962	Ульянишев В.И. Ржавчинные грибы. Ч. 2. [Микофлора Азербайджана. Т. 3]. Баку, 1962, DjVu	7.1	20160118	

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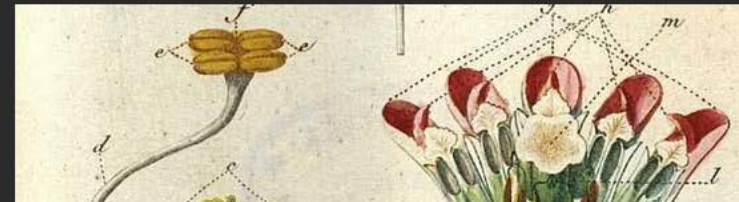
advanced search

Pages: **1.914.806** | Documents: **7.909**

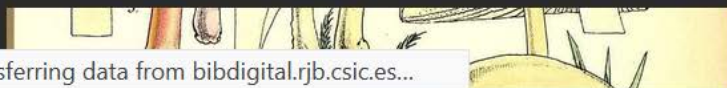
COLLECTIONS



ROYAL BOTANIC GARDEN



FLORA



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Index to Plant Chromosome Numbers (IPCN)

The *Index to Plant Chromosome Numbers* is an NSF funded project that aims to extract and index original plant chromosome numbers of naturally occurring and cultivated plants published throughout the world. A committee of voluntary contributing editors, located in various parts of the world, reviews sets of serial titles assigned to them and returns the information to the editors for collation in the *Index* and database. Chromosome indexes are published at two or three year intervals. The *Index to Plant Chromosome Numbers* project has been based at the Missouri Botanical Garden since 1978. Data from published indexes from 1979 onward are available for consultation through this facility.

For additional information, see the last supplement by Goldblatt & Johnson 2006. *Index to Plant Chromosome Numbers 2001-2003. Monographs in Systematic Botany from the Missouri Botanical Garden 106.*

An Index covering the years 2004-2006 is in preparation and will be published in the fall of 2008 as: Goldblatt & Johnson 2008. *Index to Plant Chromosome Numbers 2004-2006. Monographs in Systematic Botany from the Missouri Botanical Garden.*

Many but not all data in the printed version of the *Index to Plant Chromosome Numbers* (1979--) are available on the Web in the IPCN database. The printed indexes and the database provide references to chromosome counts reported in the original literature. We therefore request that the IPCN database itself not be cited as the source for chromosome counts. If there is a need to cite the IPCN database, we recommend the following:

Index to plant chromosome numbers. 1979-- . P. Goldblatt & D. E. Johnson, eds. Missouri Botanical Garden, St. Louis.



IPCN Chromosome Reports

Tropicos Names Specimens References Projects Images More Tools

MOBOT Sign In | Login |

- Home
- Name Search
- Browse Families
- Browse Genera
- Browse Species

IPCN > Brassicaceae > Cardamine > Cardamine africana

Choose Project English

Cardamine africana L.

Hide Name Details

Published In: Species Plantarum 2: 655. 1753. (1 May 1753) (Sp. Pl.)

Hide Chromosome Count

Export

Name ^	Reference	IPCN Reference	Gametophytic Count	Sporophytic Count	Country
Cardamine africana L.	Koshy, J. K. & P. M. Mathew. 1982. In IOPB chromosome number reports LXXVII. Taxon 31: 773.	82-83	16		
Cardamine africana L.	Morton, J. K. 1993. Chromosome numbers and polyploidy in the flora of Cameroon Mountain. Opera Bot. 121: 159-172.	92-93		16	
Cardamine africana L.	Jonsell, B. 1976. Some tropical African Cruciferae. Chromosome numbers and taxonomic comments. Bot. Not. 129: 123-130.	79-81		16	

Cite this page: Tropicos.org. Missouri Botanical Garden. 01 Nov 2011 <<http://www.tropicos.org/Name/4100088>>

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CCDB

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Prof. Itay Mayrose Lab - Plant Evolution, bioinformatics, & comparative genomics

The ***Chromosome Counts Database (CCDB, version 1.58)*** is a comprehensive community resource for plant chromosome numbers.

CCDB aims to combine existing data **resources** into an extensive central database that will be updated regularly by the community.

Users and researchers are encouraged to contribute to the accuracy and completeness of the data in CCDB by **submitting new counts**, or **reporting erroneous counts**.

To start browsing for chromosome numbers, use the **Browse** page, or the search box above.

Recommended citation:

<http://ccdb.tau.ac.il/>

[CCDB](#) → [Angiosperms](#) → [Brassicaceae](#) → [Cardamine](#) → [Cardamine acris](#)

3 species in "[Cardamine acris](#)" :

[Show Statistics counts](#)

[Export to CSV](#)

[Submit new counts](#)

[Report](#)

Taxon name	Status	Median (n)
	⇕	⇕
Cardamine acris Griseb.	Synonym of Cardamine raphanifolia subsp. acris (Griseb.) O. E. Schulz	8
Cardamine acris subsp. pindicola Perný & Marhold	Synonym of Cardamine raphanifolia subsp. acris (Griseb.) O. E. Schulz	8
Cardamine acris subsp. vardousiae Perný & Marhold	Synonym of Cardamine raphanifolia subsp. acris (Griseb.) O. E. Schulz	8

Griseb.

28 chromosome counts in *Cardamine acris* Griseb.:

[Show Statistics](#) [Export to CSV](#) [Submit new counts](#) [Report counts](#)

	↕ ↕ Name	↕ ↕ Accepted Name	Gametophytic(n)	Sporophytic(2n)	↕ ↕ Data Source	↕ ↕ reference
!	Cardamine acris Griseb.	Cardamine raphanifolia subsp. acris (Griseb.) O. E. Schulz		16	Cardamine	Perný M., Tribsch A., Anchev M. E., 2004: Intraspecific differentiation in the Balkan diploid <i>Cardamine acris</i>



Chromosome numbers for the Italian flora



UNIVERSITÀ
DI PISA

G. Bedini, L. Peruzzi (eds.)

Biology Department, University of Pisa
via Luca Ghini 13, I-56126 Pisa, Italy



Chrobase.it stores chromosome counts mainly for the Italian flora. Also counts from Corsica are being included, given the high number of endemics shared with Sardinia and Tuscan Archipelago. Current holdings are (live from database as of today, Monday 18 October 2021, 12:02:24 UTC):

	Total	Corse
--	-------	-------

***Cardamine matthioli* Moretti (Brassicaceae)**

7 records found

1. **Chromosome count:** $2n = 16$

Locality: Villar Perosa 450 m, province of TO (IT)

Reference: URBANSKA-WORYTKIEWCZ K., LANDOLT E. - 1974. Biosystematic investigations in *Cardamine pratensis* L. s.l. I. Diploid taxa from Central Europe and their fertility relationships.. *Ber. Geobot. Inst. E.T.H., Stiftung Rubel*, 42: 42-139.

Note: No note in this record

2. **Chromosome count:** $2n = 16$

Locality: Lago di Candia 230 m, province of TO (IT)

Reference: URBANSKA-WORYTKIEWCZ K., LANDOLT E. - 1974. Biosystematic investigations in *Cardamine pratensis* L. s.l. I. Diploid taxa from Central Europe and their fertility relationships.. *Ber. Geobot. Inst. E.T.H., Stiftung Rubel*, 42: 42-139.

Note: No note in this record

Karyological database of the ferns and flowering plants of Slovakia

Database details

Search by:

Name after the last revision
Among all names in the database originally published name
- incl. synonyms
- excl. synonyms

Family:

APG traditional

Genus:

Species:

Any taxon level:

Record no.:

Published by:

Analysed by:

Phytogeogr. (sub)district:

Closest village:

Central European mapping unit [xx;xx]:

Search

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Search in excerpted works

Show voucher specimens

Vegetation belts of Slovakia

Phytogeographical division of Slovakia

Karyological database of the ferns and flowering plants of Slovakia

slovensky english



Database authors

Karol Marhold¹,
Pavol Mártonfi², Pavol Mered'a jun.¹, Patrik Mráz^{1,2},
Iva Hodálová¹, Martin Kolník¹, Jaromír Kučera¹,
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Software authors: Ivan Valko, Andrej Bachorec, Viera Mrázová
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Database management
Pavol Mered'a jun.

Financial support: Project no. APVV-51-006002

In cooperation with the Department of Botany, Komenský University, Bratislava (Karol Mičeta, Jozef Dušička)

Version 1.0 (Last update:)
Visit count: 6580

www.chromosomes.sav.sk/main/index.php?lanq=en

<http://www.chromosomes.sav.sk/>

Karyological database of the ferns and flowering plants of Slovakia

Database details

Search by:

Name after the last revision

Among all names in the database originally published name

- incl. synonyms

- excl. synonyms

Family:

APG traditional

Genus:

Species:

Any taxon level:

Record no.:

Published by:

Analysed by:

Phytogeogr. (sub)district:

Closest village:

Central European mapping unit [xx;xx]:

Search

Quick search

Search in excerpted works

Show voucher specimens

Vegetation belts of Slovakia

Phytogeographical division of Slovakia

Taxonomy

Family by APG:	Hyacinthaceae
Family traditional:	Liliaceae
Name in the original publication	
Name as published:	
Standardised name:	Muscari botryoides (L.) Mill.
Accepted name:	Muscari botryoides (L.) Mill.
Name in Májovský et al. 1987	
Name as published:	Muscari botryoides (L.) Mill.
Standardised name:	Muscari botryoides (L.) Mill.
Accepted name:	Muscari botryoides (L.) Mill.
Name after the last revision	
Name after revision:	Muscari botryoides (L.) Mill.
Accepted name:	Muscari botryoides (L.) Mill.
Note to the name:	
<input type="text"/>	

Karyology

Chromosome number:	2n = 36		
Ploidy level detected by flow cytometry:			
Counted by:	Murín A.*	Date:	
Number of analysed plants:			
Slide number:		Deposited in:	
Karyotype:			
Photo:	-	Idiogram:	-
Drawing:			-
Chromosome measurement table:			

Locality

Phytogeogr. district:	Slovenský kras (3)		
Closest village/town:	Plešivec		
Description of locality:	Plešivec, Prešovský Prieloh [Plešivský prieloh]		
Exposition:		Altitude (m):	
Latitude (N):		Longitude (E):	
(Sub)square:	74;88b		

Specimen

Collector(s):	Májovský J.*	Date:	
Identified by:			

Karyological database of the ferns and flowering plants of Slovakia

Database details

Search by:

Name after the last revision

Among all names in the database originally published name

- incl. synonyms

- excl. synonyms

Family:

APG traditional

Genus:

Species:

Any taxon level:

Record no.:

Published by:

Analysed by:

Phytogeogr. (sub)district:

Closest village:

Central European mapping unit [xx;xx]:

Search

Quick search

Search in excerpted works

Show voucher specimens

Vegetation belts of Slovakia

Phytogeographical division of Slovakia

Slide number:		deposited in:	
Karyotype:			
Photo:	-	Idiogram:	-
Chromosome measurement table:		Drawing:	-

Locality

Phytogeogr. district:	Slovenský kras (3)		
Closest village/town:	Pešivec		
Description of locality:	Pešivec, Prešovský Prieloh [Pešivský prieloh]		
Exposition:		Altitude (m):	
Latitude (N):		Longitude (E):	
(Sub)square:	74;88b		

Specimen

Collector(s):	Májovský J.*	Date:	
Identified by:			
Cultivation number:			
Specimen number:		Herbarium:	SLO*
Checked by:		Date:	

Literature

Májovský J., Murín A. & Uhríková A., 1984: Gattung *Muscari* Miller in der Slowakei. - Acta Fac. Rerum Nat. Univ. Comen., Bot. 31: 1-17.

Page(s) with the data:	5
Note:	In Májovský et al. (1987) the volume of the journal with the original paper was incorrectly given as 32.

Revisions

Name after revision:	<i>Muscari botryoides</i> (L.) Mill.		
Accepted name:	<i>Muscari botryoides</i> (L.) Mill.		
Record revised by:	Hrouda L.	Date:	00-07-2007
Voucher specimen revised by:		Date:	
Note:			

Notes to the data

In Májovský et al. (1987) the collectors are given as J. Májovský and A. Murín.