

Connecting IndExs Editors and exsiccata IDs with Wikidata for Disambiguation of People Names and Work in Botanical and Mycological Collections

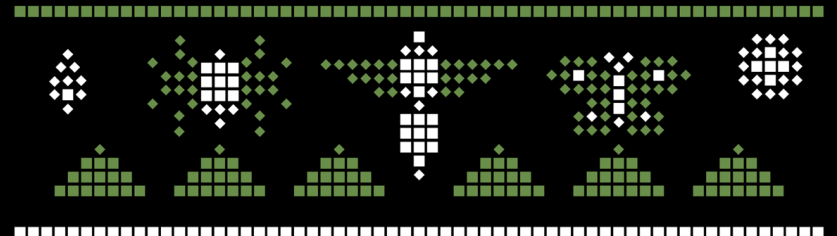
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Holguin §, Stefan Seifert‡, Markus
Weiss‡, Peter Scholz§



B i o d i v e r s i t y
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S t a n d a r d s

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B U L G A R I A

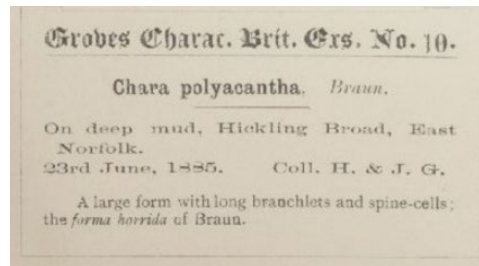
■ ■ Main points

- ◆ Definition and History of Exsiccata and Exsiccata-like series
- ◆ Exsiccata Series as Published Work
- ◆ Webservice of IndExs – Index of Exsiccatae
- ◆ Disambiguation of Exsiccata Series
- ◆ Disambiguation of Person Names
- ◆ Linking IndExs and Wikidata
- ◆ Benefits for the Community



Exsiccata, ae: Definition

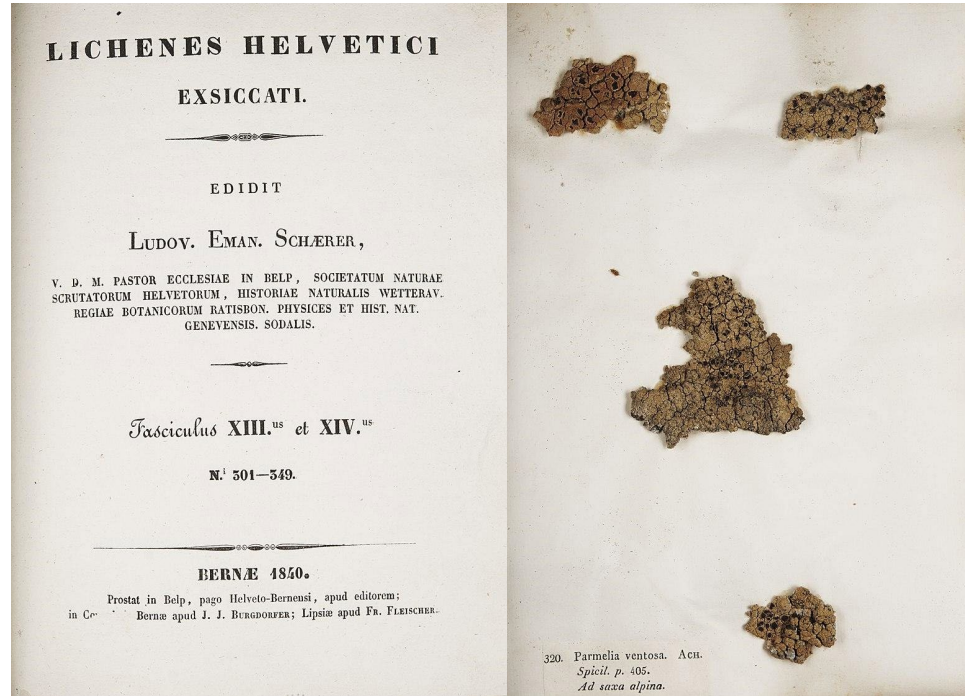
- ◆ Set of preserved specimens with printed labels
- ◆ Uniform, numbered, distributed (published)
- ◆ ICBN 1906: exsiccatae and their printed matters: Valid publication
- ◆ ICBN 1953: Printed matters distributed independently for effective publication



No. 10: *Chara polyacantha* (example from MICH)

Exsiccatae History

- ◆ Starts with early 1700
- ◆ Series with focus
 - ◇ on selling
 - ◇ on education
 - ◇ on science and research
- ◆ More than 2,200 known exsiccatae and exsiccata-like series (About 10 million specimens in herbaria)
- ◆ Today: 70 series running
- ◆ More than 1,300 editors



© Dried specimens from Ludwig Schaerer's exsiccata series *Lichenes Helvetici* (Swiss lichens), from 1823 to 1852 (Neuchâtel Herbarium, 2014)
<https://en.wikipedia.org/wiki/Exsiccata>

IndExs — Index of Exsiccatae

Editor(s): Groves, H.; Groves, J.
Title: Characeae Britannicae exsiccatae, e distributione H. et J. Groves
Abbreviation: Groves & Groves, Charac. Brit. Exs.
First number: 1 First issue: 1892
Last number: 60 Last issue: 1900

Information source(s): Dorr & Nicolson (2009)
Macroalgal Herbarium Portal: <https://macroalgae.org/portal/index.php>
Sayre (1969)
Stafleu & Cowan (1976)

Notes: Without editing location as proofed by the original set at E.

Group(s) of Organisms: algae/cyanobacteria

ExsiccataID: 1711277567

[New search](#)

Macroalgal Herbarium Consortium

[Home](#) [Search Collections](#) [Map Search](#) [Exsiccatae](#) [Flora Projects](#) [Image Library](#) [Image Search](#) [In](#)

[Home](#) >> [Return to main Exsiccatae Index](#)

Characeae Britannicae exsiccatae, e distributione H. et J. Groves

Abbreviation: Groves & Groves, Charac. Brit. Exs.

Editor(s): Groves, H.; Groves, J.

Range: 1-60

Notes: ExsiccataID 1711277567

The system “exsiccata” is known from all organism groups with material in herbaria

IndExs — Index of Exsiccatae

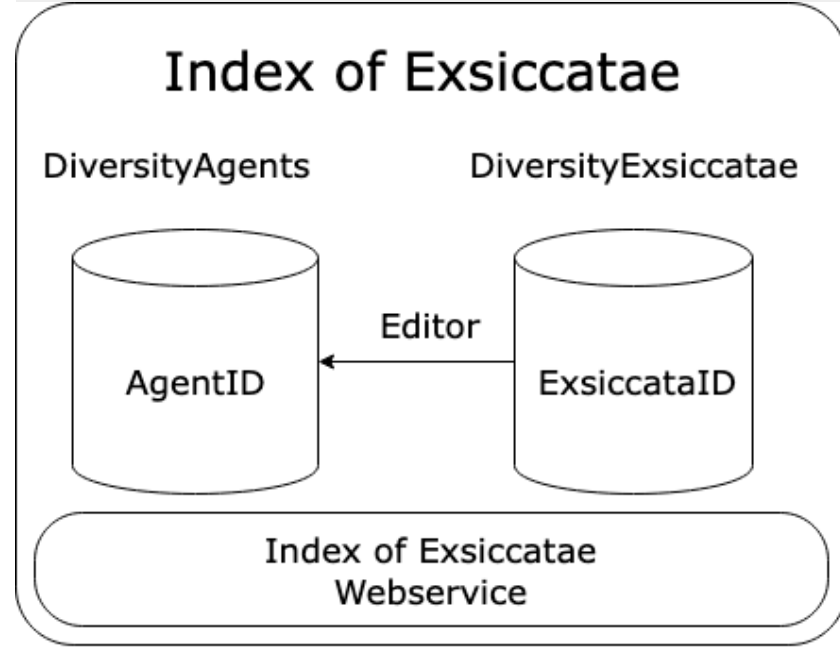


Two Diversity Workbench databases interacting and with attached webservice:

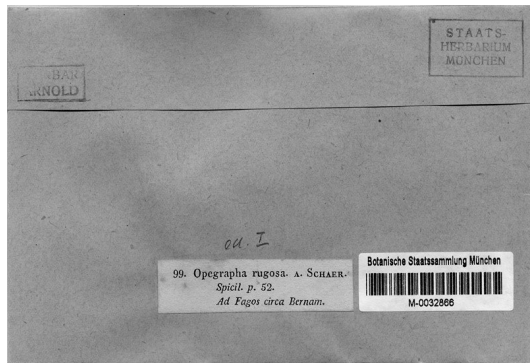
Key IDs are:

- ◆ AgentID: Identifies an editor of the exsiccata series
- ◆ ExsiccataID: Identifies an exsiccata series.

The webservice allows the search for series editors, organism groups, series titles and other information; download option as CSV, XML, XLS, machine-readable access



Disambiguation of Persons ' Work : ExsiccataID

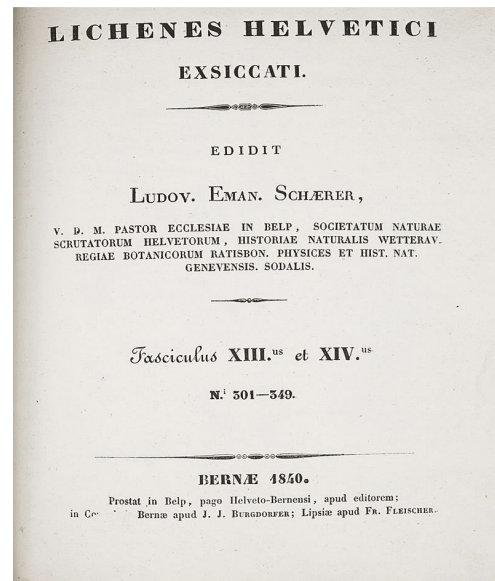


No. 99: *Opegrapha rugosa*
(example from M)

Editor(s): Schaerer, L.E.
Title: Lichenes Helvetici exsiccati. Editio I
Abbreviation: Schaerer, Lich. Helv. Exs. Ed. I
Place of publication: Bernae [Berne]
First number: 1
First issue: 1823
Last number: 650
Last issue: 1852

superseded by

Information source(s): Sayre (1969)
Stafleu & Cowan (1985)
Group(s) of Organisms: fungi/lichens
ExsiccataID: 976961791



Disambiguation of Person Name: AgentID



Editor(s): Groves, H.; Groves, J.
Title: Characeae Britannicae exsiccatae, e distributione H. et J. Groves
Abbreviation: Groves & Groves, Charac. Brit. Exs.
First number: 1 First issue: 1892
Last number: 60 Last issue: 1900



Henry Groves

H.Groves

* October 15, 1855 – 1912 †

botanist



Groves, Henry [of Clapham] (1855-1912), British algologist. (*H. Groves*).

HERBARIUM and TYPES: BM. – Exsiccatae: (with his brother James Groves): *Characeae*



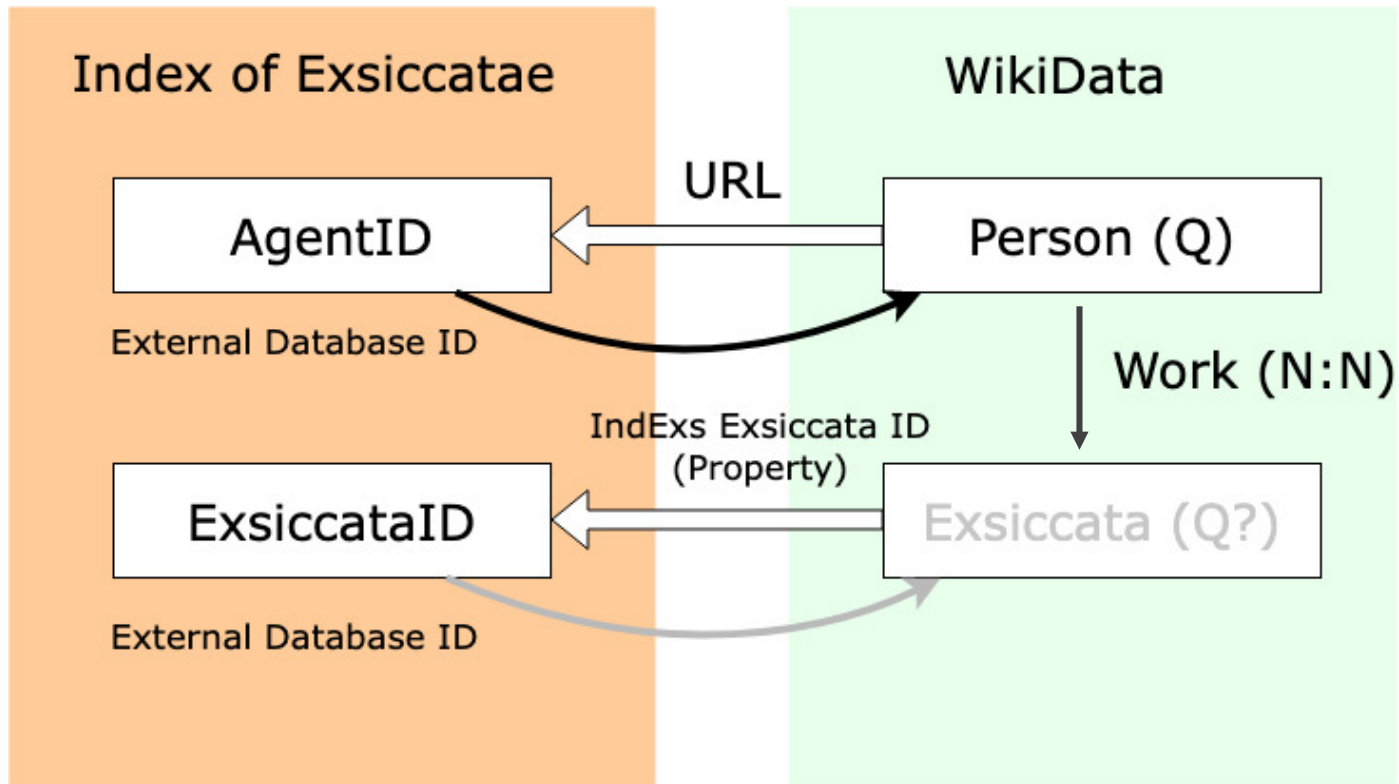
Groves, Henry (1855-1912)



Name	Groves, Henry
Date of birth	1855
Date of death	1912
Remarks	; of Florence, Enrico
ASA Botanist ID	101137 botanist
GUID	http://purl.oclc.org/1
Variant name	Henry Groves
Author name	H. Groves



Linking IndExs and Wikidata



Linking IndExs and Wikidata



Editor(s): Schaerer, L.E.
Title: Lichenes Helvetici exsiccati. Editio I
Abbreviation: Schaerer, Lich. Helv. Exs. Ed. I
Place of publication: Bernae [Berne]

Ludwig Emanuel Schaerer (Q6096135)

Swiss botanist (1785-1853)
Schaer. | Ludwig Schaerer

His Exsiccata Work

ExsiccataID: 976961791

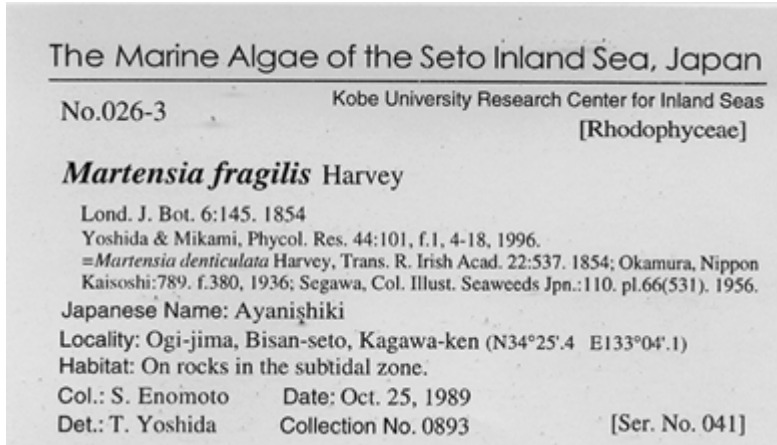
→ New property “exsiccata work” in Wikidata (P-item)?

→ Linking IndExs ExsiccataID with newly created Wikidata Exsiccata ID (Q-item)

→ Linking Wikidata Person ID (Q-item) with Wikidata Exsiccata ID (Q-item) (N:N relationship)



Linking IndExs and Wikidata



No. 41: *Martensia fragilis* (example from UPS)

Sachito Enomoto



Editors missing in Wikidata?

Fulfill the Wikidata criteria of notability by editing one or more exsiccata work

Adding new Q-items



Linking IndExs and Wikidata



The Marine Algae of the Seto Inland Sea, Japan

No.026-3

Kobe University Research Center for Inland Seas

[Rhodophyceae]

Martensia fragilis Harvey

Lond. J. Bot. 6:145. 1854

Yoshida & Mikami, Phycol. Res. 44:101, f.1, 4-18, 1996.

=*Martensia denticulata* Harvey, Trans. R. Irish Acad. 22:537. 1854; Okamura, Nippon

Kaisoshi;789. f.380, 1936; Segawa, Col. Illust. Seaweeds Jpn.:110. pl.66(531). 1956.

Japanese Name: Ayanishiki

Locality: Ogi-jima, Bisan-seto, Kagawa-ken (N34°25'.4 E133°04'.1)

Habitat: On rocks in the subtidal zone.

Col.: S. Enomoto Date: Oct. 25, 1989

Det.: T. Yoshida Collection No. 0893

[Ser. No. 041]

No. 41: *Martensia fragilis* (example from UPS)

Sachito Enomoto



Exsiccata missing in Wikidata?

Fulfill the Wikidata criteria of creative scientific work (exsiccata P-item?)

Adding new Q-items



■ ■ Benefits for the Community

- ◆ Recognize the creative scientific work of editors of exsiccatae and attribute to their notability
- ◆ Facilitate the disambiguation of exsiccata works and improve the assignment of exsiccata specimens to the disambiguated series (this is a special problem if the specimens are inserted in the general herbarium collections)
- ◆ Create synergies between institutional herbaria by recognizing duplicate sets of exsiccatae



Linking IndExs and Wikidata



Exsiccata Work



New property “exsiccata work” in Wikidata (P-item)?



Linking IndExs ExsiccataID with newly created Wikidata Exsiccata ID (Q-item)



Linking Wikidata Person ID (Q-item) with Wikidata Exsiccata ID (Q-item)

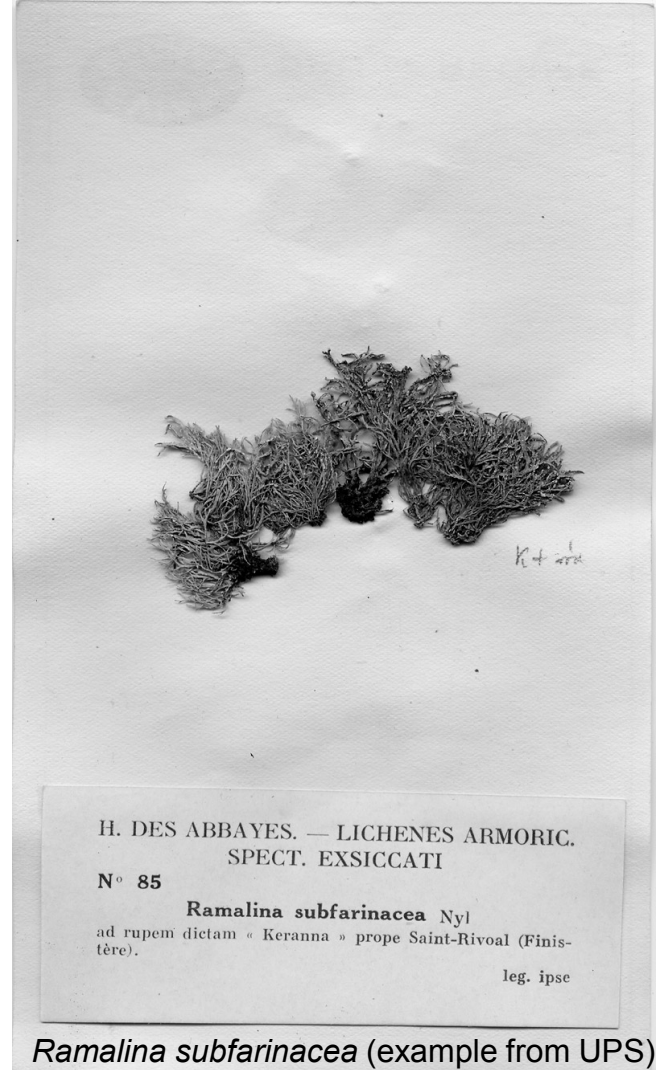


Acknowledgements

This study was inspired by discussions in the COST MOBILISE working groups WG3, WG4 (EU COST Action CA17106 <https://www.mobilise-action.eu/>)



and motivated by the Wikipedia Community, e.g., <https://en.wikipedia.org/wiki/Exsiccata>



Ramalina subfarinacea (example from UPS)



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3 0

0 0

1 0

