

Fungi selecti exsiccati ex Herbario Universitatis Halensis – nos. 221–240

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Abstract: Braun, U., Kummer, V. & Moreno-Rico, O. 2017: Fungi selecti exsiccati ex Herbario Universitatis Halensis – nos. 221–240. Schlechtendalia **32**: 67–73.

The labels of two new decades (decas 22–23, nos. 221–240) of «Fungi selecti exsiccati ex Herbario Universitatis Halensis», an exsiccata distributed by the herbarium of the Institute of Biology, Department of Geobotany and Botanical Garden, Martin Luther University Halle (HAL), are listed, including paratype material of *Phyllactinia leveillulooides*, isotypes of *Phyllactinia syringae*, and (iso-)epitype material of *Alphitomorpha depressa* β *artemisiae*, *Erysiphe artemisiae* and *Oidium chrysanthemi*. Short notes to *Erysiphe trinae* collected on *Quercus eduardii* in Mexico and *Pseudocercospora bonjeaneae* found in Greece are added.

Zusammenfassung: Braun, U., Kummer, V. & Moreno-Rico, O. 2017: Fungi selecti exsiccati ex Herbario Universitatis Halensis – Nr. 221–240. Schlechtendalia **32**: 67–73.

Die Etiketten zweier neuer Ausgaben (Decas 22–23, Nr. 221–240) von «Fungi selecti exsiccati ex Herbario Universitatis Halensis», ein Exsiccatenwerk herausgegeben vom Herbarium des Instituts für Biologie, Bereich Geobotanik und Botanischer Garten, der Martin-Luther-Universität Halle (HAL), werden aufgelistet, einschließlich Paratypus-Material von *Phyllactinia leveillulooides*, Isotypen von *Phyllactinia syringae* und (Iso-)Epitypus Material von *Alphitomorpha depressa* β *artemisiae*, *Erysiphe artemisiae* und *Oidium chrysanthemi*. Kurze Anmerkung zu *Erysiphe trinae*, gesammelt in Mexiko auf *Quercus eduardii*, und *Pseudocercospora bonjeaneae*, gefunden in Griechenland, sind angefügt.

Key words: HAL, exsiccata, fungi.

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«Fungi selecti exsiccati ex Herbario Universitatis Halensis» is an exsiccata distributed by the herbarium of the Institute of Biology, Department of Geobotany and Botanical Garden, Martin Luther University Halle (Germany), which is dedicated to non-lichenized fungi. Although it is not confined to selected fungal groups, special emphasis is put on microfungi in general and phytoparasitic micromycetes in particular, and the taxonomic groups of fungi which are subjects of scientific examinations at Halle will, of course, be reflected in this series of exsiccatae. It will not be issued in traditional fascicles of 20, 25 or 50 numbers, but in sets of 10 exsiccatae (decas), each number comprising 10 duplicates, which are dispensed on an exchange basis to selected herbaria (no. 221–240 to BPI, BRIP, GZU, HMAS, K, KR, KUS, LE, M, PDD; an additional complete set is deposited at HAL – abbreviations according to “Index Herbariorum”).

U. Braun: Fungi selecti exsiccati (ex Herbario Universitatis Halensis)

Peronosporales

221. *Peronospora consolidae* Lagerh. ex Gäum.

Beitr. Krypt.-Fl. Schweiz 5(4): 108, 1923.

GERMANY, Brandenburg, Potsdam-Mittelmark, Werder, OT Glindow, garden, 52° 20' 56" N, 12° 54' 26" E, c. 50 m alt. On leaves of *Consolida regalis* Gray.
01 May 2013

V. Kummer

U. Braun: Fungi selecti exsiccati (ex Herbario Universitatis Halensis)

Peronosporales

222. *Peronospora meconopsisidis* Mayor

Mém. Soc. Neuchâtel. Sci. Nat. 9(1): 34, 1958.

GERMANY, Brandenburg, Landkreis Elbe-Elster, Uebigau-Wahrenbrück, OT Saxdorf, Pfarrgarten, 51° 30' 06" N, 13° 17' 04" E, c. 90 m alt. On leaves of *Papaver cambricum* L. (= *Meconopsis cambrica* (L.) Vig.).

15 June 2012

V. Kummer

U. Braun: Fungi selecti exsiccati

(ex Herbario Universitatis Halensis)

Ascomycota, incertae sedis (hyphomycetes)

223. *Zygosporium oscheoides* Mont.

Ann. Sci. Nat., Bot., 2 Sér., 17: 121, 1842.

VIETNAM, Province Lam Dong, Bao Lok forestry, Bao Lam wood, tropical forest, 11° 44' 35" N, 107° 43' 09" E. On leaves of an unidentified tree of Annonaceae.

10 Apr. 2013

A.V. Alexandrova (det. V.A. Mel'nik)

U. Braun: Fungi selecti exsiccati

(ex Herbario Universitatis Halensis)

Capnodiales, Cladosporiaceae

224. *Cladosporium gentianae* Lobik

Bolez. Rast. 17(3–4): 189, 1928.

AUSTRIA, Lower Austria, Marchfeld, near Straßhof, about 2 km northeast of train stop Helmhof, 48° 19' 29" N, 16° 36' 49" E, c. 160 m alt. On leaves of *Gentiana cruciata* L.

8 Nov. 2013

T. Barta (det. U. Braun)

U. Braun: Fungi selecti exsiccati

(ex Herbario Universitatis Halensis)

Erysiphales

225. *Cystotheca lanestris* (Harkn.) Miyabe

in Ideta, Handbook of the Plant Diseases in Japan, Part I: 226, Tokyo 1909 – Syn.: *Sphaerotheca lanestris* Harkn., Bull. Calif. Acad. Sci. 1: 40, 1886.

MEXICO, Aguascalientes, San José de Gracia, Laguna Seca, 22° 10' 41" N, 102° 38' 36.48" W, 2.662 m alt. On leaves of *Quercus potosina* Trel.

5 Aug. 2015

O. Moreno-Rico (det. U. Braun)

U. Braun: Fungi selecti exsiccati

(ex Herbario Universitatis Halensis)

Erysiphales

226. *Erysiphe trinae* Harkn.

Bull. Calif. Acad. Sci. 1: 41, 1886 – Syn.: *Californiomyces trini* (Harkn.) U. Braun, Nova Hedwigia 34: 688, 1981. *Brasiliomyces trini* (Harkn.) R.Y. Zheng, Mycotaxon 19: 286, 1984.

MEXICO, Aguascalientes, San José de Gracia, Laguna Seca, 22° 10' 41" N, 102° 38' 36.48" W, 2.662 m alt. On leaves of *Quercus eduardi* Trel.

23 Feb. 2016

O. Moreno-Rico

Note: First record of this species from Mexico and a new host species.

U. Braun: Fungi selecti exsiccati

(ex Herbario Universitatis Halensis)

Erysiphales

227. *Golovinomyces chrysanthemi* (Rabenh.) M. Bradshaw, U. Braun, J. Meeboon & S. Takam.

Mycologia 109: 512, 2017 – Syn.: *Oidium chrysanthemi* Rabenh., Hedwigia 1: 19, 1853. *Euodium chrysanthemi* (Rabenh.) U. Braun & R.T.A. Cook, CBS Biodiversity Series 11: 333, 2012.

(Iso-)Epitype of *Oidium chrysanthemi*

Germany, Lower Saxony, Braunschweig, Julius Kühn Institute, greenhouse. On leaves of *Chrysanthemum ×morifolium* Ramat.

Jan. 2017

M. Götz

U. Braun: Fungi selecti exsiccati
(ex Herbario Universitatis Halensis)

Erysiphales

228. **Phyllactinia leveillulooides** O. Moreno-Rico & U. Braun
in Takamatsu et al., Mycologia 108: 843, 2016.

MEXICO, Aguascalientes, San José de Gracia, Aldeano, 22° 09' 52" N, 102° 38' 57" W. On leaves of *Quercus potosina* Trel.
25 Aug. 2015

Paratype

O. Moreno-Rico

U. Braun: Fungi selecti exsiccati
(ex Herbario Universitatis Halensis)

Erysiphales

229. **Phyllactinia syringae** U. Braun, C. Blomq., S.K. Mohan, H.J. Larsen, P. Woods & A.W. Ramaley
Mycologia 109: 488, 2017.

USA, Idaho, Ada County, Boise, 43° 37' N, 116° 12' W, c. 830 m alt. On leaves of *Syringa vulgaris* L.
4 Nov. 2012

Isotype

S. Krishna Mohan

U. Braun: Fungi selecti exsiccati
(ex Herbario Universitatis Halensis)

Erysiphales

230. **Golovinomyces artemisiae** (Grev.) Heluta

Ukrayins'k. Bot. Zhurn. 45(5): 62, 1988 – Syn.: *Erysiphe artemisiae* Grev., Fl. edin.: 459, 1824.
(Iso-)Epitype of *Erysiphe artemisiae*
SCOTLAND, Edinburgh, Innocent Railway, 55° 56' 21.8" N, 3° 09' 47.5" W. On *Artemisia vulgaris* L.
08 Oct. 2016

S. Helfer

U. Braun: Fungi selecti exsiccati
(ex Herbario Universitatis Halensis)

Erysiphales

231. **Golovinomyces artemisiae** (Grev.) Heluta

Ukrayins'k. Bot. Zhurn. 45(5): 62, 1988 – Syn.: *Erysiphe artemisiae* Grev., Fl. edin.: 459, 1824. *Alphitomorpha depressa* β. *artemisiae* Wallr., Verh. Ges. Naturf. Freunde Berlin 1(1): 34, 1819. *A. artemisiae* Wallr., Ann. Wetterauischen Ges. Gesammte Naturk., N.F., 4: 240, 1819.
(Iso-)Epitype of *Alphitomorpha depressa* β. *artemisiae* (≡ *A. artemisiae*)
GERMANY, Sachsen-Anhalt, Halle (Saale), center, Breite Straße, roadside, ruderal vegetation.
On *Artemisia vulgaris* L.
27 Sep. 2016

U. Braun

U. Braun: Fungi selecti exsiccati
(ex Herbario Universitatis Halensis)

Capnodiales, Mycosphaerellaceae

232. **Passalora ramularioides** (Sacc. & Fautrey) U. Braun

Schlechtendalia 5: 40, 2000 – Syn.: *Scolicotrichum ramularioides* Sacc. & Fautrey, Bull. Soc. Mycol. France 16: 24, 1900.
AUSTRIA, Lower Austria, Donautal, east of Fischamend, about 1.1 to 1.5 km west of the church of Maria Ellend, 48° 06' 49" N, 16° 40' 22" E, c. 145 m alt. On leaves of *Leersia oryzoides* (L.) Sw.
05 Oct. 2011

T. Barta (det. U. Braun)

U. Braun: Fungi selecti exsiccati
(ex Herbario Universitatis Halensis)

Capnodiales, Mycosphaerellaceae

233. Pseudocercospora bonjeaneae (Maire) U. Braun & Crous

in Crous & Braun, *Mycosphaerella* and its anamorphs: 1. Names published in *Cercospora* and *Passalora* [CBS Biodiversity Series] 1: 85, 2003. – Syn.: *Cercospora bonjeaneae* Maire, Bull. Soc. Hist. Nat. Afrique N. 8: 193, 1917. *Cercospora bonjeaneae-rectae* Cabal., Fac. Sci. Univ. Barcelona Publ. Secc. Ci. Nat. 12: 104, 1920.
GREECE, Rhodos, c. 3.3 km W Archangelos, creek at the road to Malona, 36° 13' 06" N, 28° 04' 49" E, c. 85 m alt. On *Dorycnium rectum* (L.) Ser.

19 Sep. 2016

V. Kummer (det. U. Braun)

U. Braun: Fungi selecti exsiccati
(ex Herbario Universitatis Halensis)

Entylomatales, Entylomataceae (smut fungi)

234. Entyloma fumariae J. Schröt.

Jahresber. Schles. Ges. Vaterl. Cult. 61: 176, 1884.

GREECE, Rhodos, Stegna, 36° 12' 40" N, 28° 08' 25" E, c. 10 m alt. On leaves of *Fumaria judaica* Boiss.

22 Mar. 2013

V. Kummer

U. Braun: Fungi selecti exsiccati
(ex Herbario Universitatis Halensis)

Microbotryales, Microbotryaceae (smut fungi)

235. Microbotryum heliospermae Piątek & M. Lutz

Fungal Biol. 116: 192, 2012.

AUSTRIA, North Tirol, Gschnitztal, Gschnitz, trail to Truna lodge, 47° 03' 05" N, 11° 22' 31" E, c. 1.225 m alt. In anthers of *Heliosperma pusillum* (Waldst. & Kit.) Rchb.

06 Jul. 2013

V. Kummer

U. Braun: Fungi selecti exsiccati
(ex Herbario Universitatis Halensis)

Ustilaginales, Ustilaginaceae (smut fungi)

236. Sporisorium cruentum (J.G. Kühn) Vánky

Symb. Bot. Upsal. 24(2): 115, 1985 – Syn: *Ustilago cruenta* J.G. Kühn, Hamburger Garten- Blumenzeitung 28: 177, 1872.

GREECE, Rhodos, Faliraki, near Agia Nektarios, 36° 20' 07" N, 28° 11' 53" E, c. 10 m alt. In inflorescences of *Sorghum halepense* (L.) Pers.

14 Sep. 2012

V. Kummer

U. Braun: Fungi selecti exsiccati
(ex Herbario Universitatis Halensis)

Urocystidales, Urocystidaceae (smut fungi)

237. Urocystis orobanches (Mérat) A.A. Fisch. Waldh.

Aperçus Syst. Ustil.: 42, 1877 – Syn.: *Rhizoctinia orobanches* Mérat, Nouv. Fl. Environs Paris, Edn. 1: 135, 1821.

GREECE, Rhodos, Theologos, about 1.2 km southeast of village near street to Petaloudes, 36° 21' 56" N, 28° 02' 43" E, c. 40 m alt. In roots of *Orobanche mutelii* F.W. Schultz (on *Oxalis pes-caprae* L.).

21 Mar. 2013

V. Kummer

U. Braun: Fungi selecti exsiccati

(ex Herbario Universitatis Halensis)

Pucciniales, Coleosporiaceae (rust fungi)

238. Coleosporium campanulae (Pers.) Tul.Ann. Sci. Nat., Bot., Sér. 4, 2: 137, 1854 – Syn.: *Uredo campanulae* Pers., Syn. Meth. Fung. 1: 217, 1801.GERMANY, Brandenburg, Potsdam-Mittelmark, Werder, OT Glindow, garden, 52° 20' 56" N, 12° 54' 26" E, c. 50 m alt. On leaves of *Legousia speculum-veneris* (L.) Chaix.

29 June 2012

V. Kummer

U. Braun: Fungi selecti exsiccati

(ex Herbario Universitatis Halensis)

Pucciniales, Melampsoraceae (rust fungi)

239. Melampsora magnusiana G.H. Wagner

Oesterr. Bot. Z. 46: 273, 1896.

GERMANY, Sachsen-Anhalt, Kreis Wittenberg, Kemberg, OT Lubast, near Heidehotel, 51° 44' 58" N, 12° 37' 54" E, 105 m alt. On leaves of *Chelidonium majus* L.

13 Apr. 2014

H. Jage

U. Braun: Fungi selecti exsiccati

(ex Herbario Universitatis Halensis)

Pucciniales, Pucciniaceae (rust fungi)

240. Uromyces limonii (DC.) Lév.in Obigny, Dict. Univ. Hist. Nat. 12: 786, 1849 – Syn: *Puccinia limonii* DC., in Lamarck & de Candolle, Fl. franç., Edn. 3, 2: 595, 1805GREECE, Rhodos, Kattavia, about 2.5 km west northwest of village near street to Apolakkia, 35° 57' 40" N, 27° 44' 03" E, c. 5 m alt. On leaves of *Limonium ammophilum* (Papatsou & Phitos) Domina.

16 Mar. 2013

V. Kummer

Notes**First record of *Erysiphe trinae* on *Quercus eduardi* from Mexico**

Erysiphe trinae is a North American powdery mildew distributed in the southern USA on *Lithocarpus densiflorus*, *Lithocarpus* sp., and diverse *Quercus* spp. [*Q. agrifolia*, *Q. alba*, *Q. chrysolepis*, *Q. hypoleucoides*, and *Q. toumeyi*] (Braun & Cook 2012). This species has recently been found in Mexico on *Quercus eduardi* (see U. Braun, Fungi sel. exs. 226), which represents the first record of this plant species from Mexico. Furthermore, *Q. eduardi* is a new host species for *E. trinae*. This *Erysiphe* species is characterised by an unusual combination of traits. The small chasmothecia have a thin, one-layered, semitransparent peridium and few short appendages, similar to species of the genus *Brasiliomyces*, but only two large ascospores are formed per ascus. The genuine generic affinity of *E. trinae* was elucidated by Mori et al. (2000) who showed that this species clusters within the large *Erysiphe* clade. *E. trinae* clusters apart of *Brasiliomyces malachrae* (Seaver) Boesew., the type species of *Brasiliomyces* Viégas (Divarangkoon et al. 2011). Therefore, the allocation of *E. trinae* to *Brasiliomyces* (Zheng 1984) is not justified, but it is also not tenable to assign this species to a genus of its own (*Californiomyces* U. Braun, Braun 1981). Braun, in Braun & Cook (2012) proposed the combination *Erysiphe* sect. *Californiomyces* (U. Braun) U. Braun, introduced as morphological, non-phylogenetic section.

First record of *Pseudocercospora bonjeaneae* from Greece and a redescription of this species

Pseudocercospora bonjeaneae (Maire) U. Braun & Crous, in Crous & Braun, *Mycosphaerella* and its anamorphs: 1. Names published in *Cercospora* and *Passalora* [CBS Biodiversity Series] 1: 85, 2003.

Fig. 1

≡ *Cercospora bonjeaneae* Maire, Bull. Soc. Hist. Nat. Afrique N. 8: 193, 1917.

= *Cercospora bonjeaneae-rectae* Caball., Fac. Sci. Univ. Barcelona Publ. Secc. Ci. Nat., 12: 104, 1920.

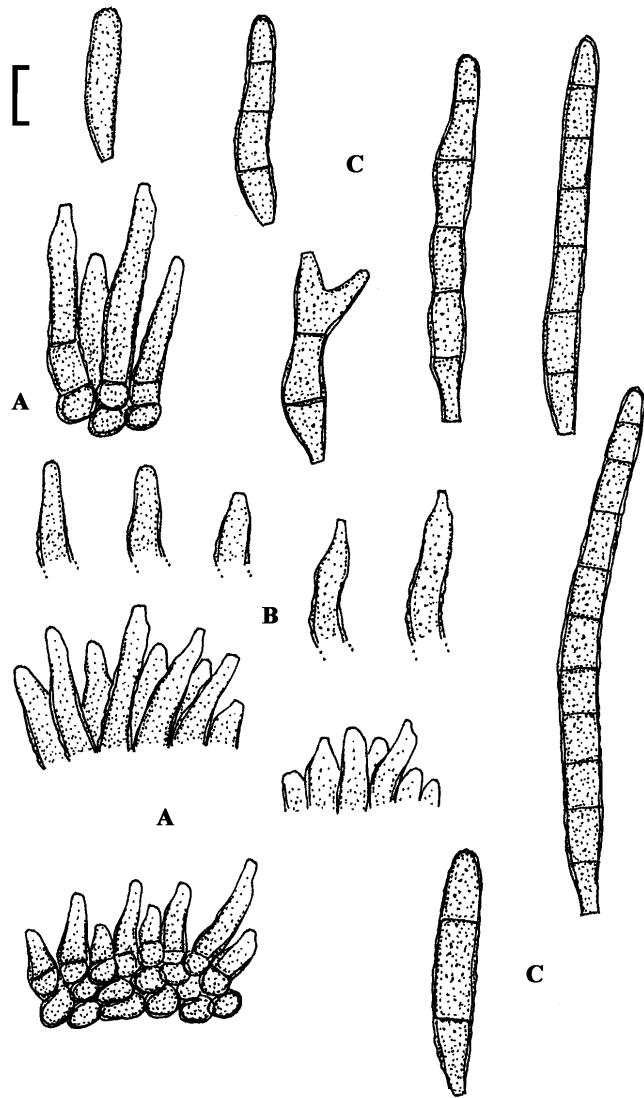


Fig. 1: *Pseudocercospora bonjeaneae*, A – Conidiophore fascicles, B – Conidiophores, C – Conidia. Bar – 10 µm. U. Braun del.

Leaf spots amphigenous, subcircular to irregular or subeffuse, 3–10 mm diam, brown, margin indefinite. Caespituli amphigenous, punctiform, scattered to confluent and dense, brown to dark brown. Mycelium internal. Stromata almost lacking to moderately large, (10–)20–60(–70) µm diam, intraepidermal to substomatal, brown, Conidiophores in small to moderately large fascicles, mostly dense, larger fascicles almost sporodochial, arising from stromata, erumpent, erect, straight to somewhat curved-sinuous, not or only slightly geniculate, unbranched, subcylindrical-conical, 5–50 × 3–7 µm, usually aseptate, i.e. conidiophores reduced to

conidiogenous cells, pale olivaceous to olivaceous brown, wall thin to slightly thickened, smooth or almost so to somewhat verruculose-rugose, conidiogenous loci inconspicuous or visible as truncate tips or subdenticulate, but wall always unthickened and not darkened. Conidia solitary, short conidia ellipsoid-obvoid, longer conidia cylindrical or obclavate-cylindrical, rarely forked, straight to curved, outline regular to somewhat irregular by slight swellings and constrictions, 15–90 × 4–8 µm, 0–10-septate, subhyaline, olivaceous to olivaceous brown, thin-walled, wall smooth or almost so to distinctly verruculose-rugose, apex obtuse, mostly broadly rounded, base subtruncate-rounded to obconically truncate or even with peg-like base, 1.5–2.5 µm wide, hila unthickened, not darkened.

Material examined: 1. Spain, Barcelona, La Planos, on *Dorycnium rectum*, Oct. 1919, A. Caballero 4315 (MA), holotype of *C. bonjeaneae-rectae*. 2. Greece, Rhodos, about 3.3 km W of Archangelos, creek at the road to Malona, N 36° 13' 06", E 28° 04' 49", 85 m alt, V. Kummer (HAL 3167 F).

This species was previously only known from the type collections of *Cercospora bonjeaneae* (Mauritania) and *C. bonjeaneae-rectae* (Spain). The present material collected on *Dorycnium rectum* in Greece represents the third record of this species.

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