

## An update on the families Hysteriaceae and Mytiliniaceae (Dothideomycetes, Ascomycota) from Argentina and Chile: a checklist

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### Summary

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A checklist of some hysteriaceous Ascomycota from Argentina and Chile has been compiled recognizing: 35 accepted species in 11 genera distributed in the families Hysteriaceae and Mytiliniaceae. Synonymous and doubtful species are included. The catalog is based mainly on the literature reports and our own collections and publications, as well as herbarium specimens.

**Key words:** mycobiota, histerothecoid species, southern South America.

### Resumen

Lorenzo, L. E. & M. I. Messuti. 2012. Actualización sobre las familias Hysteriaceae y Mytiliniaceae (Dothideomycetes Ascomycota) en Argentina y Chile: un catálogo. *Kurtziana* 37 (1): 141-158.

Este catálogo de algunos Ascomycota con histerotecios, registrados para Argentina y Chile, ha sido confeccionado reconociendo: 35 especies aceptadas en 11 géneros distribuidos en las familias Hysteriaceae y Mytiliniaceae. Se incluyen los sinónimos y las especies dudosas. El catálogo se basó principalmente en literatura, nuestras propias colecciones y publicaciones, como así también en especímenes de herbario.

**Palabras clave:** micobiota, especies con histerotecios, sur de Sudamérica.

### Introduction

The first taxonomic studies concerning the fungi with histerothecoid ascomata from Argentina and Chile were published by Rehm (1899) and Spegazzini (1880; 1881a, b; 1887; 1902; 1908; 1909; 1910; 1912; 1921). Some species of Hysteriaceae and Mytiliniaceae were recorded in contributions that were carried out by Catania (2009), Mujica Richatt & Vergara Castillo (1980), Romero (1994) and Rosato (2007). Since 1997 particular studies of

hysteriaceous genera in Patagonia and Tierra del Fuego (Argentina y Chile) were published by the authors of this checklist.

This catalogue includes species and infraespecific taxa in eleven genera of the families Hysteriaceae and Mytiliniaceae from Argentina and Chile that were studied previously by the authors of this contribution.

Classification at generic level and above follows the currently 10<sup>th</sup> edition of *Dictionary of the Fungi* (Kirk et al., 2008). Recent results

of molecular phylogenetic research of the hysteriaceous bitunicate Ascomycota were presented by Boehm et al. (2009a, b) where they include taxonomic changes.

## Material and Methods

The genera of fungi are listed alphabetically, as well as the accepted species (indicated in bold) under each generic heading. Information about synonyms is presented after the name in current use. Species being synonyms or transferred to other genera are also listed (indicated in italic). We included all the type specimens studied by us. Authors' abbreviations follow *Authors of Plants Names* (Brummitt & Powell, 1992). Each taxon is accompanied by information about Argentinean and Chilean distribution, habitat, substratum and a list of literature citations that provide descriptions, illustrations, identification keys and/or recent suggested taxonomical changes. The cited herbaria in this checklist are those mentioned in the scant information obtained from the literature together with those that loaned the type specimens for this study.

The information about synonyms of infrageneric taxa was obtained from Barr (1975, 1990); Boehm et al. (2009b); Goree (1974); Index Fungorum - www.indexfungorum.org - (2011) and Zogg (1962).

The initials used in the distribution of the Argentinean specimens are: **BA** (Provincia de Buenos Aires), **CA** (Provincia de Catamarca), **CH** (Provincia de Chubut), **MZ** (Provincia de Mendoza), **NQ** (Provincia de Neuquén), **RN** (Provincia de Río Negro), **SC** (Provincia de Santa Cruz), **SJ** (Provincia de San Juan), **SL** (Provincia de San Luis), **TF** (Provincia de Tierra del Fuego, Antártida e Islas del Atlántico Sur) and **TU** (Provincia de Tucumán); and for the Chilean specimens are: **V** (Quinta Región de Valparaíso), **VII** (Séptima Región del Maule), **VIII** (Octava Región del Bío-Bío), **X** (Décima Región de los Lagos), **XII** (Duodécima Región de Magallanes y la Antártica Chilena), **XIII** (Región Metropolitana), **XIV** (Decimocuarta Región de los Ríos).

## Results and Discussion

### TAXA

**GLONIELLA** Sacc., *Syll. Fung.* 2: 765. 1883; Hysteriaceae

TYPE: ***Gloniella lapponica*** (P. Karst.) Sacc. (fide Clements & Shear, 1973).

*Gloniella ambigua* P. Karst. = ***Hysterium angustatum*** Alb. & Schwein.

***Gloniella antarctica*** Speg., *Bol. Acad. Nac. Cienc./Córdoba* 11: 247. 1887.

TYPE: LPS 28168, holotype!

DISTRIBUTION: **TF**, Argentina.

HABITAT: Mixed evergreen-deciduous forest.

SUBSTRATUM: On dead leaves of *Grammitis magellanica* Desv.

Herbarium: LPS

COMMENTS: Doubtful species. The species was wrongly cited by Minter & Peredo López (2006) from Chile. On the Spegazzini's original envelope of the type specimen appears clearly wrote that the locality of the collection was Staten Island (Isla de los Estados, Argentina).

REFERENCES: Messuti & Lorenzo (2009); Minter & Peredo López (2006); Spegazzini (1887).

***Gloniella araucana*** Speg., *Rev. Fac. Agron. Vet. La Plata* 6: 115. 1910.

TYPE: LPS 1244, holotype *n. v.*

DISTRIBUTION: **V**, Chile.

HABITAT: Sclerophyll matorral.

SUBSTRATUM: On decomposed culms of *Chusquea cumingii* Nees

HERBARIUM: LPS, HMAS?

COMMENTS: Doubtful species.

REFERENCES: Messuti & Lorenzo (2009); Spegazzini (1910, 1921); Teng (1933).

***Gloniella australis*** Speg., *Bol. Acad. Nac. Cienc./Córdoba* 11: 245. 1887.

TYPE: LPS 1246, holotype!

- Glioniella australis* var. *minor* Speg., 1887. TYPE: HERBARIUM: LPS  
LPS 1247, holotype!  
COMMENTS: Doubtful species.
- DISTRIBUTION: **TF**, Argentina.  
REFERENCES: Messuti & Lorenzo (2009);  
Spegazzini (1921).
- HABITAT: Mixed evergreen-deciduous forest.
- SUBSTRATUM: On decorticated trunks of *Nothofagus* spp. **Glioniella graphidioidea** Rehm, *Hedwigia* 42: 290. 1903.
- HERBARIUM: LPS  
TYPE: Ex herb. Arnold (exsiccata H. Rehm, Ascomyceten nr. 1460; S reg. nr. F 11143, lectotype!).
- COMMENTS: The synonymy of this species is based on Messuti & Lorenzo (2009).
- REFERENCES: Messuti & Lorenzo (2009); Spegazzini (1887). *Hysterium graphideum* Speg., 1909. TYPE: LPS 28171, holotype!
- Glioniella australis* var. *minor* Speg. = **Glioniella australis** Speg.  
DISTRIBUTION: **BA**, Argentina.  
HABITAT: Unknown.
- Glioniella caucasica* Rehm = **Psiloglonium araucanum** (Speg.) E. Boehm, Marincowitz & Schoch  
SUBSTRATUM: On twigs of *Erythrina crista-galli* L.  
HERBARIUM: FH, HBS, LPS, S
- Glioniella chilensis** Speg., *Bol. Acad. Nac. Cienc./Córdoba* 25: 80. 1921.  
COMMENTS: Lichenized. The synonymy of this species is based on Messuti & Lorenzo (2010).
- TYPE: LPS 1202, holotype!  
REFERENCES: Messuti & Lorenzo (2010); Spegazzini (1909).
- DISTRIBUTION: **V**, Chile.
- HABITAT: Sclerophyll matorral.
- SUBSTRATUM: On branches of *Dasyphyllum excelsum* (D. Don) Cabrera *Glioniella jaffueli* Speg. = **Glonium jaffueli** (Speg.) Messuti & Lorenzo
- REFERENCES: Messuti & Lorenzo (2009); Spegazzini (1921). **Glioniella multiseptata** Speg., *An. Soc. Cient. Argentina* 11: 246. 1887.
- Glioniella gilliesi** Speg., *Bol. Acad. Nac. Cienc./Córdoba* 25: 81. 1921.  
TYPE: LPS 1245, holotype!
- TYPE: LPS 1245, holotype!  
DISTRIBUTION: **XII**, Chile.
- DISTRIBUTION: **V**, Chile.  
HABITAT: Bogs of *Sphagnum magellanicum* Brid.
- HABITAT: Sclerophyll matorral.  
SUBSTRATUM: On twigs of *Gaultheria mucronata* (L. f.) Hook. & Arn.
- SUBSTRATUM: On branches of *Clinopodium chilense* (Benth.) Govaerts  
HERBARIUM: LPS

- REFERENCES: Messuti & Lorenzo (2009); Spegazzini (1887).
- Gloniella typhae** (Fuckel) Sacc., *Syll. Fung. II*: 768-769. 1883.
- Hysterium typhae* Fuckel, 1873. TYPE: G!
- Glonium chusqueae* Speg., 1910. TYPE: LPS 1257, holotype!
- DISTRIBUTION: **XIV**, Chile.
- HABITAT: Rainforest.
- SUBSTRATUM: On *Chusquea valdiviensis* E. Desv.
- HERBARIUM: G, HBS, LPS
- COMMENTS: The synonymy of this species is based on Lorenzo & Messuti (1998) and Zogg (1962).
- REFERENCES: Lorenzo & Messuti (1998); Spegazzini (1910); Zogg (1962).
- GLONIOPSIS** De Not., *G. bot. ital.* 2: 12, 23. 1847; Hysteriaceae
- TYPE: **Gloniopsis decipiens** De Not. (fide Clements & Shear, 1973).
- Gloniopsis araucana** Speg., *Rev. Fac. Agron. Vet. La Plata* 6: 118. 1910.
- TYPE: LPS 1243, holotype!
- DISTRIBUTION: **XIV**, Chile.
- HABITAT: Rainforest.
- SUBSTRATUM: On *Francoa sonchifolia* Cav.
- HERBARIUM: LPS
- COMMENTS: Doubtful species.
- REFERENCES: Lorenzo & Messuti (1998); Spegazzini (1910).
- Gloniopsis argentinensis** Speg., *Anal. Mus. Nac. Buenos Aires* (ser. 3) 8: 74. 1902.
- TYPE: LPS 1200, holotype!
- DISTRIBUTION: **BA**, Argentina.
- HABITAT: Unknown.
- SUBSTRATUM: On naked branches of *Eucalyptus globulus* Labill.
- HERBARIUM: LPS
- REFERENCES: Lorenzo & Messuti (1998); Spegazzini (1902).
- Gloniopsis australis** (Duby) Sacc., *Syll. Fung. II*: 774. 1883.
- Hysterium australe* Duby, 1862.
- DISTRIBUTION: **BA**, Argentina.
- HABITAT: Introduced forest trees.
- SUBSTRATUM: On branches of *Melia azederach* L. and *Persica vulgaris* Mill., on wood of *Duvaua longifolia* Lindt., on stumps of *Eucalyptus viminalis* Labill. and on unidentified pieces of wood.
- HERBARIUM: BAFC, LPS
- COMMENTS: The synonymy of this species is based on Index Fungorum - [www.indexfungorum.org](http://www.indexfungorum.org) - (2011). Up to now it is considered as a doubtful species. It could be a synonym of *Gloniopsis praelonga*.
- REFERENCES: Lorenzo & Messuti (1998); Romero (1994); Spegazzini (1909); Zogg (1962).
- Gloniopsis brevisaccata* M. L. Lohman = **Gloniopsis praelonga** (Schwein.) Underw. & Earle
- Gloniopsis buxi* Petr. = **Gloniopsis praelonga** (Schwein.) Underw. & Earle

- Glioniopsis cookeana* (W. R. Gerard) Sacc. = ***Glioniopsis praelonga*** (Schwein.) Underw. & Earle  
*Hysterium muelleri* Duby, 1862.  
*Glioniopsis muelleri* (Duby) Sacc., 1883.
- Glioniopsis decipiens* De Not. = ***Glioniopsis praelonga*** (Schwein.) Underw. & Earle  
*Hysterium Cookeanum* W. R. Gerard, 1876.
- Glioniopsis insignis* (Cooke & Harkn.) Berl. & Voglino = ***Glioniopsis praelonga*** (Schwein.) Underw. & Earle  
*Glioniopsis cookeana* (W. R. Gerard) Sacc., 1883.  
*Hysterium loniceræ* W. Phillips & Harkn., 1884b.
- Glioniopsis lepophila* Kirschst. = ***Glioniopsis praelonga*** (Schwein.) Underw. & Earle  
*Glioniopsis loniceræ* (W. Phillips & Harkn.) Berl. & Voglino, 1886.
- Glioniopsis levantica* Rehm = ***Glioniopsis praelonga*** (Schwein.) Underw. & Earle  
*Hysterographium insigne* Cooke & Harkn., 1885.
- Glioniopsis loniceræ* (W. Phillips & Harkn.) Berl. & Voglino = ***Glioniopsis praelonga*** (Schwein.) Underw. & Earle  
*Glioniopsis insignis* (Cooke & Harkn.) Berl. & Voglino, 1886.
- Glioniopsis muelleri* (Duby) Sacc. = ***Glioniopsis praelonga*** (Schwein.) Underw. & Earle  
*Glioniopsis levantica* Rehm, 1886.
- Glioniopsis penzigii* = ***Glioniopsis praelonga*** (Schwein.) Underw. & Earle  
*Glioniopsis australis* ssp. *vinealis* Sacc. & Briosi, 1891.  
*Glioniopsis penzigii* Paoli, 1905.
- Glioniopsis vaccinii* (Carmich. ex Berk.) Boughey = ***Glioniopsis praelonga*** (Schwein.) Underw. & Earle  
*Hysterium connivens* Cooke & Harkn., 1885.
- Glioniopsis verbasci* (Schwein.) Rehm = ***Glioniopsis praelonga*** (Schwein.) Underw. & Earle  
*Glioniopsis brevisaccata* M. L. Lohman, 1933a.
- Glioniopsis vienalis* Sacc. & Briard = ***Glioniopsis praelonga*** (Schwein.) Underw. & Earle  
*Glioniopsis lepophila* Kirschst., 1938.  
*Hysterium vaccinii* Carmich., 1936.
- Glioniopsis praelonga*** (Schwein.) Underw. & Earle (as 'praelongum'), *Bull. Alabama Agric. Exp. St.* 80: 196. 1897.  
*Glioniopsis vaccinii* (Carmich.) Boughey, 1939.  
*Glioniopsis buxi* Petr., 1947.
- Hysterium praelongum* Schwein., 1834. TYPE: PH SYN 2074, holotype?!  
DISTRIBUTION: **BA, NQ, TU**, Argentina.
- Hysterium verbasci* Schwein., 1834.  
HABITAT: Introduced forest trees of *E. viminalis*, *Nothofagus* forest and *Podocarpus parlatorei* Pilg. forest.
- Glioniopsis verbasci* (Schwein.) Rehm, 1886.  
SUBSTRATUM: On fallen decorticated branches of unidentified trees and stumps of *E. viminalis*.
- Glioniopsis decipiens* De Not., 1847.  
HERBARIUM: B, BAFC, BCRU, FH, LIL, LPS, PH, Z

COMMENTS: The synonymy of this species is based on Zogg (1962).

REFERENCES: Catania (2009); Lorenzo & Messuti (1998, 2007); Romero (1994); Zogg (1962).

**Gloniopsis subrugosa** (Cooke & Ellis) E. Boehm & C. L. Schoch, *Stud. Mycol.* 64: 65. 2009.

*Hysterium subrugosum* Cooke & Ellis, 1876.

*Hysterographium hiascens* Rehm, 1881.

*Hysterographium subrugosum* (Cooke & Ellis) Sacc., 1883.

*Hysterographium kansense* Ellis & Everh., 1894.

*Hysterographium cylindrosporum* Rehm, 1899.

*Hysterographium minutum* M. L. Lohman, 1933.

DISTRIBUTION: **NQ, RN, TF**, Argentina; **XII**, Chile.

HABITAT: Patagonian Andes forests.

SUBSTRATUM: On wood or twigs (sometimes decorticated) of *Nothofagus antarctica* (G. Forst) Oerst., *N. dombeyi* (Mirb.) Oerst., *N. pumilio* (Poepp. & Endl.) Krasser and *Drimys winteri* J. R. Forst. & G. Forst.

HERBARIUM: BCRU, LPS, S

COMMENTS: The synonymy of this species is based on Boehm et al. (2009b).

REFERENCES: Bait (2009); Boehm et al. (2009b); Messuti & Lorenzo (2003); Zogg (1962).

**GLONIUM** Muhl., *Cat. Pl. Amer. Sept.*: 101. 1813; Hysteriaceae

TYPE: **Glonium stellatum** Muhl. (Clements & Shear, 1973).

**Glonium abbreviatum** (Schwein.) M. L. Lohman, *Bull. Torr. Bot. Cl.* 64: 64. 1937.

*Hysterium abbreviatum* Schwein., 1834. TYPE: PH 2094, holotype?!

*Hysterium medium* Cooke, 1879.

*Glonium medium* (Cooke) Sacc., 1883.

*Glonium microsporum* Sacc., 1875.

*Glonium microsporum* var. *minor* Speg., 1908.

*Psiloglonium microsporum* Höhn, 1924.

*Hysterium parvulum* W. R. Gerard, 1874.

*Glonium parvulum* (W. R. Gerard) Sacc., 1883.

*Psiloglonium parvulum* (W. R. Gerard) E. Müll., 1962.

*Glonium ruthenicum* Petr., 1921.

*Psiloglonium ruthenicum* (Petr.) Petr., 1925.

*Glonium valdivianum* Speg., 1910. TYPE: LPS 1266, holotype!

DISTRIBUTION: **BA, CA, NQ, TU**, Argentina; **V, VIII, X**, Chile.

HABITAT: Introduced forest trees of *E. viminalis*, *Nothofagus* forest, mixed forest of *Persea lingue* and *P. parlatorei* forest.

SUBSTRATUM: On wood of fallen branches of *Lomatia* sp. (?), *P. lingue*, on *Chusquea culeou* E. Desv. culms and stumps of *E. viminalis*.

HERBARIUM: BAFC, BCRU, LIL, LPS

COMMENTS: The synonymy of this species is based on Lorenzo & Messuti (1998), Messuti & Lorenzo (2007) and Zogg (1962). Boehm et al. (2009b) placed the genus *Glonium* outside of Hysteriaceae, in the family Gloniaceae. Recently, Mugambi & Huhndorf (2009) proposed a new genus (*Anteaglonium*) outside the *Hysteriales* but within the *Pleosporales*, to accommodate *A. abbreviatum* as a synonym of *G.*

- abbreviatum*. The genus *Anteaglonium* was listed as *genera incertae sedis* by Lumbsch & Huhndorf (2010).
- REFERENCES: Catania (2009); Lorenzo & Messuti (1998); Messuti & Lorenzo (2007); Mugambi & Huhndorf (2009); Mujica Richatt & Vergara Castillo (1980); Romero (1994); Spegazzini (1908, 1910); Zogg (1962).
- Glonium araucanum* Speg. = **Psiloglonium araucanum** (Speg.) E. Boehm, Marincowitz & Schoch
- Glonium caucasicum* (Rehm) H. Zogg = **Psiloglonium araucanum** (Speg.) E. Boehm, Marincowitz & Schoch
- Glonium chusqueae* Speg. = **Gloniella typhae** (Fuckel) Sacc.
- Glonium jaffueli** (Speg.) Messuti & Lorenzo, Nova Hedwigia 89: 233. 2009.
- Gloniella jaffueli* Speg., 1921. TYPE: LPS 1204, holotype!
- DISTRIBUTION: **V**, Chile.
- HABITAT: Sclerophyll matorral.
- SUBSTRATUM: On branches of *Proustia pyrifolia* DC.
- HERBARIUM: LPS
- REFERENCES: Messuti & Lorenzo (2009); Spegazzini (1921).
- Glonium chilense** Speg., *Rev. Fac. Agron. Vet. La Plata* 6: 111. 1910.
- TYPE: LPS 1258, holotype!
- DISTRIBUTION: **VIII**, Chile.
- HABITAT: Sclerophyllous forest.
- SUBSTRATUM: On death branches of *Cryptocarya* sp. (?).
- HERBARIUM: LPS
- REFERENCES: Messuti & Lorenzo (2009); Spegazzini (1910).
- Glonium colihuae* Lorenzo & Messuti = **Psiloglonium colihuae** (Lorenzo & Messuti) E. Boehm & C. L. Schoch
- Glonium costesi* Speg. (as '*costesi*') = **Psiloglonium ephedrae** (Henn.) E. Boehm & C. L. Schoch
- Glonium ephedrae* Henn. = **Psiloglonium ephedrae** (Henn.) E. Boehm & C. L. Schoch
- Glonium cumingii** Speg., *Rev. Fac. Agron. Vet. La Plata* 6: 113. 1910.
- TYPE: Not found.
- HERBARIUM: LPS
- COMMENTS: Doubtful species. Mentioned from Chile in Valparaíso and Concepción (Minter & Peredo López, 2006; Mujica Richatt & Vergara Castillo, 1980).
- REFERENCES: Messuti & Lorenzo (2009); Minter & Peredo López (2006); Mujica Richatt & Vergara Castillo (1980); Spegazzini (1910).
- Glonium medium* (Cooke) Sacc. = **Glonium abbreviatum** (Schwein.) M. L. Lohman
- Glonium microsporium* Sacc. = **Glonium abbreviatum** (Schwein.) M. L. Lohman
- Glonium microsporium* var. *minor* Speg. = **Glonium abbreviatum** (Schwein.) M. L. Lohman
- Glonium parvulum* (W. R. Gerard) Sacc. = **Glonium abbreviatum** (Schwein.) M. L. Lohman
- Glonium uspallatense* Speg. = **Psiloglonium uspallatense** (Speg.) E. Boehm & C. L. Schoch

*Glonium valdivianum* Speg. = **Glonium abbreviatum** (Schwein.) M. L. Lohman

**GLYPHIUM** Nitschke ex F. Lehm., *Nova Acta Ksl. Leop.-Carol. Deutsche Akad. Nat. f.* 50: 139. 1886; Mitylinidaceae

TYPE: **Glyphium elatum** (Grev.) Zogg (fide Zogg, 1962).

*Glyphium dolabriforme* (Wallr.) F. Lehm. = **Glypium elatum** (Grev.) H. Zogg

**Glyphium elatum** (Grev.) H. Zogg, *Beitr. Kryptfl. Schweiz* 11: 99. 1962.

*Lophium elatum* Grev., 1825.

*Lophium dolabriforme* Wallr., 1831.

*Glyphium dolabriforme* (Wallr.) F. Lehm., 1886.

*Acrospermum fultum* Harkn., 1884.

DISTRIBUTION: **NQ**, Argentina; **XII**, Chile.

HABITAT: Temperate-humid forests dominated by *Nothofagus* spp.

SUBSTRATUM: On decorticated wood.

HERBARIUM: BCRU, BPI, CFB, DAVFP, FH, NY, RM, UC, WSP

COMMENTS: The synonymy of this species is based on Goree (1974).

REFERENCES: Barr (1990); Goree (1974); Lorenzo & Messuti (2005); Zogg (1962).

**HYSTEROBREVIUM** E. Boehm & C. L. Schoch, *Stud. Mycol.* 64: 62. 2009; Hysteriaceae

TYPE: **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch (fide Boehm et al. 2009b).

**Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch, *Stud. Mycol.* 64: 62. 2009.

*Hysterium mori* Schwein., 1832.

*Hysterographium mori* (Schwein.) Rehm, 1876.

*Hysterographium bonaerense* Speg., 1881. TYPE: LPS 1283, holotype!

*Hysterium formosum* Cooke, 1878.

*Hysterographium formosum* (Cooke) Sacc., 1883.

*Hysterium gerardii* Cooke & Peck, 1875 (as 'gerardi').

*Hysterographium gerardii* (Cooke & Peck) Sacc., 1883 (as 'gerardi').

*Hysterium grammodes* De Not., 1847.

*Hysterographium grammodes* (De Not.) Sacc., 1883.

*Hysterographium grammodes* var. *minus* Sacc., 1883.

*Hysterographium guaraniticum* Speg., 1888. TYPE: LPS 1273, holotype!

*Hysterographium incisum* Ellis & Everh., 1897.

*Hysterium insulare* P. Karst. & Har., 1890.

*Hysterium lesquereuxii* Duby, 1862.

*Hysterographium lesquereuxii* (Duby) Sacc., 1883.

*Hysterographium portenum* Speg., 1880. TYPE: LPS 1284, holotype!

*Hysterographium punctiforme* Pat., 1888.

*Hysterographium pumilionis* Rehm, 1887.

*Hysterium putaminum* Cooke, 1878.

*Hysterographium putaminum* (Cooke) Sacc., 1883.

*Hysterium rousselii* De Not., 1847.



- Hysterographium rousselii* (De Not.) Sacc., 1883. **HYSTEROGRAPHIUM** Corda, *Icon. fung (Prague)* 5: 34, 77. 1842; Hysteriaceae
- Hysterographium rousselii* var. *piri* Feltgen, 1903. TYPE: **Hysterographium fraxini** (Pers.) De Not. (fide Clements & Shear, 1973).
- Hysterographium ruborum* Cooke, 1888. COMMENTS: This taxon is actually considered as a genus *incertae sedis* included in Pleosporomycetidae (Boehm et al., 2009b; Lumbsch & Huhndorf, 2010).
- Hysterium variabile* Cooke & Peck, 1875.
- Hysterographium variabile* (Cooke & Peck) Sacc., 1883. *Hysterographium acerinum* Peck = **Hysterographium flexuosum** (Schwein.) Sacc.
- Hysterium viticolum* Cooke & Peck, 1875.
- Hysterographium viticola* (Cooke & Peck) Rehm, 1883. **Hysterographium andicola** Speg., *Anal. Mus. Nac. Buenos. Aires* 23: 85. 1912.
- Hysterium vulgare* De Not., 1847. TYPE: LPS 1288-a, lectotype!
- Hysterographium ziziphi* Pat., 1897 (as 'zizyphi'). DISTRIBUTION: **MZ**, Argentina.
- Tryblidaria argentinensis* Speg., 1909. HABITAT: Area with xerophytic vegetation.
- DISTRIBUTION: **BA, CA, SL, TU**, Argentina. SUBSTRATUM: On dead branches of *Condalia microphylla* Cav. and *Bougainvillea spinosa* (Cav.) Heimerl.
- HABITAT: In Argentina, the species grows in a wide variety of temperate and subtropical environments. HERBARIUM: LPS
- SUBSTRATUM: On bark and wood of *Salix humboldtiana* Willd., *M. azedarach*, *Brosimum gaudichaudii* Trécul, *Citrus bigaradia* Risso, *P. parlatorei* and *Prosopis* sp. REFERENCES: Lorenzo & Messuti (2009).
- HERBARIUM: LIL, LPS, NY, NYS, PH **Hysterographium australe** Speg., *An. Soc. Cient. Argentina* 12: 189. 1881.
- COMMENTS: The synonymy of this species is based on Boehm et al. (2009b), Index Fungorum - [www.indexfungorum.org](http://www.indexfungorum.org) - (2011) and Rosato (2007). TYPE: LPS 1291, holotype!
- REFERENCES: Barr (1990); Boehm et al. (2009b); Catania (2009); Lorenzo & Messuti (2009); Rosato (2007); Spegazzini (1880, 1881b, 1888, 1909); Zogg (1962). DISTRIBUTION: **BA, CA**, Argentina.
- HABITAT: Xerophytic and humid zones.
- SUBSTRATUM: On decorticated wood of *E. cristagalli* and branches of unidentified species of shrubs.
- HERBARIUM: LPS
- REFERENCES: Lorenzo & Messuti (2009); Spegazzini (1881a).

- Hysterographium bonaerense* Speg. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium ceanothi* (W. Phillips & Harkn.) Berl. & Voglino = **Hysterographium flexuosum** (Schwein.) Sacc.
- Hysterographium cumingii** Speg., *Rev. Fac. Agron. Vet. La Plata* 6: 119. 1910.
- TYPE: Not found.
- HERBARIA: LPS?
- COMMENTS: Doubtful species. Mentioned from Chile in Valparaíso (Spegazzini, 1910).
- REFERENCES: Lorenzo & Messuti (2009); Spegazzini (1910).
- Hysterographium cuyanum** Speg., *Anal. Mus. Buenos Aires* 23: 86. 1912.
- TYPE: LPS 1286, holotype!
- DISTRIBUTION: **SJ**, Argentina.
- HABITAT: Xerophyllic areas.
- SUBSTRATUM: On branches of *Bulnesia retama* (Gilles et Hook. & Arn.) Griseb.
- HERBARIA: LPS
- COMMENTS: Doubtful species. In the herbarium envelope of the type material the locality cited as Mendoza, Pie de Palo, corresponds to San Juan, Pie de Palo.
- REFERENCES: Lorenzo & Messuti (2009); Spegazzini (1912).
- Hysterographium cylindrosporum* Rehm = **Gloniopsis subrugosa** (Cooke & Ellis) E. Boehm & C. L. Schoch
- Hysterographium flexuosum** (Schwein.) Sacc., *Syll. fung. (Abellini)* 2: 781. 1883.
- Hysterium flexuosum* Schwein., 1822.
- Hysterographium acerinum* Peck, 1913.
- Hysterium ceanothi* W. Phillips & Harkn., 1884.
- Hysterographium ceanothi* (W. Phillips & Harkn.) Berl. & Voglino, 1886.
- Hysterographium fuegianum* Speg., 1887. TYPE: LPS 1296, holotype!
- Hysterographium fuegianum* f. *intermedium* Rehm, 1899. TYPE: S reg. nr. F 5851, holotype!
- Hysterographium magellanicum* Speg., 1887. TYPE: LPS 1295, holotype!
- Lophium naviculare* Schwein., 1834.
- Hysterium prominens* W. Phillips & Harkn., 1884.
- Hysterographium prominens* (W. Phillips & Harkn.) Berl. & Voglino, 1886.
- Hysterium vulvatum* Schwein., 1834.
- Hysterographium vulvatum* (Schwein.) Sacc., 1883.
- DISTRIBUTION: **NQ, RN, SC, TF**, Argentina; **XII**, Chile.
- HABITAT: Temperate rainforests.
- SUBSTRATUM: On wood and bark of *Nothofagus* spp. and on bark of *Escallonia serrata* Sm.
- HERBARIUM: B, BCRU, LPS, S
- COMMENTS: The synonymy of this species is based on Barr (2009) and Messuti & Lorenzo (2003).
- REFERENCES: Barr (2009); Lorenzo & Messuti (2009); Messuti & Lorenzo (2003); Spegazzini (1887); Zogg (1962).

- Hysterographium fuegianum* Speg. = **Hysterographium flexuosum** (Schwein.) Sacc.
- Hysterographium formosum* (Cooke) Sacc. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium fuegianum* f. *intermedium* Rehm = **Hysterographium flexuosum** (Schwein.) Sacc.
- Hysterographium gerardii* (Cooke & Peck) Sacc. (as '*gerardi*') = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium grammodes* (De Not.) Sacc. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium grammodes* var. *minus* Sacc. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium guaraniticum* Speg. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium hiascens* Rehm = **Gloniopsis subrugosa** (Cooke & Ellis) E. Boehm & C. L. Schoch
- Hysterographium incisum* Ellis & Everh. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium insidens* (Schwein.) Sacc. = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium insigne* Cooke & Harkn. = **Gloniopsis praelonga** (Schwein.) Underw. & Earle
- Hysterographium kansense* Ellis & Everh. = **Gloniopsis subrugosa** (Cooke & Ellis) E. Boehm & C. L. Schoch
- Hysterographium lesquereuxii* (Duby) Sacc. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium magellanicum* Speg. = **Hysterographium flexuosum** (Schwein.) Sacc.
- Hysterographium minutum* M. L. Lohman = **Gloniopsis subrugosa** (Cooke & Ellis) E. Boehm & C. L. Schoch
- Hysterographium mori* (Schwein.) Rehm = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium portenum* Speg. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium preandinum** Speg., *Anal. Mus. Nac. Buenos Aires* 23: 87. 1912.
- TYPE: LPS 1290-a, lectotype!
- DISTRIBUTION: **MZ**, Argentina.
- HABITAT: Xerophytic areas.
- SUBSTRATUM: On wood of *Tricycla spinosa* Cav. and *B. retama*.
- HERBARIUM: LPS
- REFERENCES: Lorenzo & Messuti (2009); Spegazzini (1912).
- Hysterographium prominens* (W. Phillips & Harkn.) Berl. & Voglino = **Hysterographium flexuosum** (Schwein.) Sacc.
- Hysterographium punctiforme* Pat. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium pumilionis* Rehm, = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium putaminum* (Cooke) Sacc. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch

- Hysterographium rousselii* (De Not.) Sacc. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch  
DISTRIBUTION: **BA**, Argentina.  
HABITAT: Native xerophilic vegetation.
- Hysterographium rousselii* var. *piri* Feltgen = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch  
SUBSTRATUM: On *Scutia buxifolia* Reissek  
HERBARIUM: LPS
- Hysterographium ruborum* Cooke = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch  
COMMENTS: Doubtful species.  
REFERENCES: Spegazzini (1881a).
- Hysterographium variabile* (Cooke & Peck) Sacc. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch  
*Hysterium ambiguum* Duby = **Hysterium angustatum** Alb. & Schwein.
- Hysterographium viticola* (Cooke & Peck) Rehm = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch  
*Hysterium andicola* Speg. = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterographium vulvatum* (Schwein.) Sacc. = **Hysterographium flexuosum** (Schwein.) Sacc.  
*Hysterium andinense* Messuti & Lorenzo = **Mytilinidion andinense** (Messuti & Lorenzo) E. Boehm, C. L. Schoch & Spatafora
- Hysterographium zizyphi* Pat. (as 'zizyphi'). = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch  
**Hysterium angustatum** Alb. & Schwein., *Consp. fung. (Leipzig)*: 55. 1805.
- Hysterographium subrugosum* (Cooke & Ellis) Sacc. = **Gloniopsis subrugosa** (Cooke & Ellis) E. Boehm & C. L. Schoch  
*Gloniella ambigua* P. Karst., 1891.
- HYSTERIUM** Pers., *Tent. disp. meth. fung. (Lipsiae)*: 5. 1797; Hysteriaceae  
*Hysterium ambiguum* Duby, 1862.
- TYPE: *Hysterium pulicare* Pers. (fide Clements & Shear, 1973).  
*Hysterium acuminatum* Fr., 1823.
- Hysterium abbreviatum* Schwein. = **Glonium abbreviatum** (Schwein.) M. L. Lohman  
*Hysterium acuminatum* var. *alpinum* Rehm, 1881.
- Hysterium acuminatum* Fr. = **Hysterium angustatum** Alb. & Schwein.  
*Hysterium angustatum* var. *cerotoniae* Rolland, 1905.
- Hysterium acuminatum* var. *alpinum* Rehm = **Hysterium angustatum** Alb. & Schwein.  
*Hysterium eucalypti* W. Phillips & Harkn., 1884.
- Hysterium ajoense** Speg., *An. Soc. Cient. Argentina* 12: 187. 1881a.  
*Hysterium karstenii* M. L. Lohman, 1939.
- TYPE: LPS 1274, holotype *n. v.*  
*Hysterium lentisci* Rolland, 1901.
- Hysterium pulicare* var. *angustatum* Fr., 1823.  
*Hysterium pulicare* var. *totarae* Sacc., 1908.  
DISTRIBUTION: **BA**, Argentina; **VII**, Chile.

- HABITAT: Introduced forest of *E. viminalis* (Argentina); in Chile data unknown.
- SUBSTRATUM: On bark of *E. viminalis* and on *Santalum fernandezianum* F. Phil.
- HERBARIUM: BAFC, FH, IMI
- COMMENTS: The synonymy of this species is based on Zogg (1962).
- REFERENCES: Minter & Peredo López (2006); Mujica Richatt & Vergara Castillo (1980); Romero (1994); Zogg (1962).
- Hysterium angustatum* var. *cerotoniae* Rolland = **Hysterium angustatum** Alb. & Schwein.
- Hysterium apiculatum* Starbäck = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium atlantis* Maire = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium australe* Duby = **Gloniopsis australis** (Duby) Sacc.
- Hysterium batucense* Speg. = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium berengeri* Sacc. = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium ceanothi* W. Phillips & Harkn. = **Hysterographium flexuosum** (Schwein.) Sacc.
- Hysterium chilense** Speg., *Rev. Fac. Agron. Vet. Univ. Nac. La Plata* 6: 117. 1910.
- TYPE: LPS 1278, holotype *n. v.*
- DISTRIBUTION: V, VIII, Chile.
- HABITAT: Temperate forests.
- SUBSTRATUM: On *Lapageria rosea* Ruiz & Pav., *Lardizabala biternata* Ruiz & Pav., *Lithraea caustica* (Molina) Hook. & Arn.
- HERBARIUM: LPS
- COMMENTS: Doubtful species.
- REFERENCES: Minter & Peredo López (2006); Spegazzini (1910, 1921).
- Hysterium complanatum* Duby = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium connivens* Cooke & Harkn. = **Gloniopsis praelonga** (Schwein.) Underw. & Earle
- Hysterium cookeanum* W. R. Gerard = **Gloniopsis praelonga** (Schwein.) Underw. & Earle
- Hysterium depressum* Berk. & M. A. Curtis = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium discolor** Speg., *An. Soc. Cient. Argentina* 9: 185. 1880.
- TYPE: LPS 1223, holotype *n. v.*
- DISTRIBUTION: BA, Argentina.
- HABITAT: Temperate forests.
- SUBSTRATUM: On *Celtis ehrenbergiana* (Klotzsch) Liebm.
- HERBARIUM: LPS
- COMMENTS: Doubtful species.
- REFERENCES: Spegazzini (1880).
- Hysterium eucalypti* W. Phillips & Harkn. = **Hysterium angustatum** Alb. & Schwein.
- Hysterium flexuosum* Schwein. = **Hysterographium flexuosum** (Schwein.) Sacc.

- Hysterium formosum* Cooke = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium gerardi* Cooke & Peck (as 'gerardi') = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium grammodes* De Not. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium graphideum* Speg. = **Gloniella graphidoidea** Rehm
- Hysterium insidens* Schwein. = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium insulare* P. Karst. & Har. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium fusigerum* Berk. & M. A. Curtis = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium janusiae* Rehm = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium karstenii* M. L. Lohman = **Hysterium angustatum** Alb. & Schwein.
- Hysterium lavandulae* Urries = **Oedohysterium insidens** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium lentisci* Rolland = **Hysterium angustatum** Alb. & Schwein.
- Hysterium lesquereuxii* Duby = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium lonicerae* W. Phillips & Harkn. = **Gloniopsis praelonga** (Schwein.) Underw. & Earle
- Hysterium medium* Cooke = **Glonium abbreviatum** (Schwein.) M. L. Lohman
- Hysterium mori* Schwein. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium muelleri* Duby = **Gloniopsis praelonga** (Schwein.) Underw. & Earle
- Hysterium praelongum* Schwein = **Gloniopsis praelonga** (Schwein.) Underw. & Earle
- Hysterium prominens* W. Phillips & Harkn. = **Hysteroglyphium flexuosum** (Schwein.) Sacc.
- Hysterium pulicare* var. *angustatum* Fr. = **Hysterium angustatum** Alb. & Schwein.
- Hysterium pulicare* var. *totarae* Sacc. = **Hysterium angustatum** Alb. & Schwein.
- Hysterium putaminum* Cooke = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium rousselii* De Not. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium subrugosum* Cooke & Ellis = **Gloniopsis subrugosa** (Cooke & Ellis) E. Boehm & C. L. Schoch
- Hysterium typhae* Fuckel = **Gloniella typhae** (Fuckel) Sacc.
- Hysterium vaccinii* Carmich. = **Gloniopsis praelonga** (Schwein.) Underw. & Earle
- Hysterium variabile* Cooke & Peck = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium verbasci* Schwein. = **Gloniopsis praelonga** (Schwein.) Underw. & Earle
- Hysterium viticolum* Cooke & Peck = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch
- Hysterium vulgare* De Not. = **Hysterobrevium mori** (Schwein.) E. Boehm & C. L. Schoch

*Hysterium vulvatum* Schwein. =  
**Hysteroglyphium flexuosum** (Schwein.)  
Sacc.

**LOPHIUM** Fr., *Syst. myc.*: 534. 1823;  
Mytiliniaceae

TYPE: **Lophium mytilinum** (Pers.) Fr. (fide  
Clements & Shear, 1973).

*Lophium naviculare* Schwein. =  
**Hysteroglyphium flexuosum** (Schwein.)  
Sacc.

**MYTILINIDIUM** Duby, *Mém. Soc. Phys. Hist.  
nat. Genève* 16: 34. 1862; Mytiliniaceae

TYPE: **Mytilinidium aggregatum** Duby (fide  
Clements & Shear, 1973).

**Mytilinidium andinense** (Messuti & Lorenzo)  
E. Boehm, C. L. Schoch & Spatafora, *Mycol.  
Res.* 113: 470. 2009.

*Hysterium andinense* Messuti & Lorenzo, 1997.  
TYPE: BAFC 33529, holotype!; BCRU  
00450, isotype!

DISTRIBUTION: **CH, NQ, RN**, Argentina.

HABITAT: Mixed forests of *Austrocedrus chilensis*  
(D. Don) Pic. Serm. & Bizzarri

SUBSTRATUM: On bark of *A. chilensis*.

HERBARIUM: BAFC, BCRU

COMMENTS: The synonymy of this species is  
based on Boehm et al. (2009a).

REFERENCES: Boehm et al. (2009a); Messuti &  
Lorenzo (1997).

**OEDOHYSTERIUM** E. Boehm & C.  
L. Schoch, *Stud. Mycol.* 64: 59. 2009;  
Hysteriaceae

TYPE: **Oedohysterium insidens** (Schwein.) E.  
Boehm & C. L. Schoch (fide Boehm et al.  
2009b).

**Oedohysterium insidens** (Schwein.) E. Boehm  
& C. L. Schoch, *Stud. Mycol.* 64: 59. 2009.

*Hysterium insidens* Schwein., 1832.

*Hysteroglyphium insidens* (Schwein.) Sacc.,  
1883.

*Hysterium andicola* Speg., 1912. TYPE: LPS  
1272, holotype!

*Hysterium apiculatum* Starbäck, 1899.

*Hysterium atlantis* Maire, 1937.

*Hysterium batucense* Speg., 1910. TYPE: LPS  
1282, holotype!

*Hysterium berengerii* Sacc., 1883.

*Hysterium complanatum* Duby, 1862.

*Hysterium depressum* Berk. & M. A. Curtis,  
1875.

*Hysterium fusigerum* Berk. & M. A. Curtis,  
1875.

*Hysterium janusiae* Rehm, 1898.

*Hysterium lavandulae* Urries, 1941.

DISTRIBUTION: **MZ**, Argentina; **XIII**, Chile.

HABITAT: Xerophytic regions.

SUBSTRATUM: On *Proustia cuneifolia* D. Don and  
on *Prosopis alata* Phil.

HERBARIUM: LPS, FH

COMMENTS: The synonymy of this species is  
based on Boehm et al. (2009b).

REFERENCES: Boehm et al. (2009b); Messuti &  
Lorenzo (1997); Speggazzini (1910, 1912).

**PSILOGLONIUM** Höhn., *Annls. mycol.* 16:  
149. 1918; Hysteriaceae

- TYPE: **Psiloglonium lineare** (Fr.) Petr. (fide Clements & Shear, 1973).
- Psiloglonium parvulum* (W. R. Gerard) E. Müll. = **Glonium abbreviatum** (Schwein.) M. L. Lohman
- Psiloglonium ruthenicum* (Petr.) Petr. = **Glonium abbreviatum** (Schwein.) M. L. Lohman
- Psiloglonium araucanum** (Speg.) E. Boehm, Marinowitz & Schoch., *Stud. Mycol.* 64: 23. 2009.
- Glonium araucanum* Speg., 1910. TYPE: LPS 1256, holotype!
- Gloniella caucasica* Rehm, 1912. TYPE: S, holotype!
- Glonium causicum* (Rehm) H. Zogg, 1962.
- DISTRIBUTION: **VIII**, Chile.
- HABITAT: Mixed forest of *P. lingue*, *Laurelia sempervirens* (Ruiz & Pav.) Tul., *Nothofagus obliqua* (Mirb.) Oerst. and *N. alpina* (Poepp. & Endl.) Oerst.
- SUBSTRATUM: On little branches of *L. biternata*, and on death branches of *Caldecluvia paniculata* (Cav.) D. Don
- HERBARIUM: LPS, S
- COMMENTS: The synonymy of this species is based on Boehm et al. (2009b).
- REFERENCES: Boehm et al. (2009b); Messuti & Lorenzo (2007); Spegazzini (1910, 1921); Zogg (1962).
- Psiloglonium colihuae** (Lorenzo & Messuti) E. Boehm & C. L. Schoch, *Stud. Mycol.* 64: 23. 2009.
- Glonium colihuae* Lorenzo & Messuti, 1998.
- TYPE: BCRU 1777, isotype!; LPS 45481, holotype!
- DISTRIBUTION: **NQ, RN**, Argentina.
- HABITAT: Temperate-humid forests of *Nothofagus dombeyi* and Valdivian rainforest.
- SUBSTRATUM: On *C. culeou*.
- HERBARIUM: BCRU, LPS
- COMMENTS: The synonymy of this species is based on Boehm et al. (2009b).
- REFERENCES: Boehm et al. (2009b); Lorenzo & Messuti (1998); Messuti & Lorenzo (2007).
- Psiloglonium ephedrae** (Henn.) E. Boehm & C. L. Schoch, *Stud. Mycol.* 64: 23. 2009.
- Glonium ephedrae* Henn., 1900. TYPE: S, lectotype!
- Glonium costesii* Speg., 1921 (as '*costesi*'). TYPE: LPS 1259, holotype!
- DISTRIBUTION: **V**, Chile.
- HABITAT: Mixed forest of *P. lingue*, *L. sempervirens*, *N. obliqua* and *N. alpina*
- SUBSTRATUM: On *Ephedra chilensis* C. Presl and *P. pyrifolia*
- HERBARIUM: LPS, S
- COMMENTS: The correct name of host species cited as *Ephedra andicola* by Boehm et al. (2009b) and Messuti & Lorenzo (2007) is *Ephedra chilensis*. The synonymy of this species is based on Boehm et al. (2009b).
- REFERENCES: Boehm et al. (2009b); Lorenzo & Messuti (1998); Messuti & Lorenzo (2007); Spegazzini (1921).
- Psiloglonium uspallatense** (Speg.) E. Boehm & C. L. Schoch, *Stud. Mycol.* 64: 23. 2009.
- Glonium uspallatense* Speg., 1909. TYPE: LPS 1264, holotype!



DISTRIBUTION: **MZ**, Argentina.

HABITAT: Semi-desert vegetation.

SUBSTRATUM: On *B. retama*.

HERBARIUM: LPS

COMMENTS: The synonymy of this species is based on Boehm et al. (2009b).

REFERENCES: Boehm et al. (2009b); Messuti & Lorenzo (2007); Spaggiari (1909).

## Conclusions

As a consequence of this checklist a total of 35 hysteriaceous taxa were recorded: *Gloniella* (8), *Gloniopsis* (5), *Glonium* (4), *Glyphium* (1), *Hysterobrevium* (1), *Hysterographium* (6), *Hysterium* (4), *Mytilinidium* (1), *Oedohysterium* (1) and *Psilogonium* (4); from them, 16 taxa were registered from Argentina, 13 taxa from Chile, and 6 taxa from both countries. The known distributions of these fungi are probably a small portion of their actual distributions and the need for more collection of Hysteriaceae and Mytiliniaceae is paramount.

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