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# A survey of the genus *Festuca* L. (Poaceae) in Italy. IV. Typification of the names of some Italian fescues

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&

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## ABSTRACT

FOGGI, B. & M. A. SIGNORINI (1997). A survey of the genus *Festuca* L. (Poaceae) in Italy. IV. Typification of the names of some Italian fescues. *Candollea* 52: 429-433. In English, English and French abstracts.

In this paper, the lectotypifications of *Festuca calabrica* Huter, Porta & Rigo, *Festuca ovina* var. *stenantha* Hack., *Festuca ovina* subvar. *gracilis* Hack., *Festuca spectabilis* var. *carniolica* Hack., *Festuca varia* subsp. *sardoa* Hack., *Festuca varia* var. *cenisia* Hack. and *Festuca varia* var. *scabriculumis* Hack., are reported.

## RÉSUMÉ

FOGGI, B. & M. A. SIGNORINI (1997). Recherches sur le genre *Festuca* L. (Poaceae) en Italie. IV. Typification des noms de quelques fétuques italiennes. *Candollea* 52: 429-433. En anglais, résumés français et anglais.

Dans cette contribution sont publiées les lectotypifications de *Festuca calabrica* Huter, Porta & Rigo, *Festuca ovina* var. *stenantha* Hack., *Festuca ovina* subvar. *gracilis* Hack., *Festuca spectabilis* var. *carniolica* Hack., *Festuca varia* subsp. *sardoa* Hack., *Festuca varia* var. *cenisia* Hack. et *Festuca varia* var. *scabriculumis* Hack.

**KEY-WORDS:** *Festuca* – Typification – Nomenclature – Italy.

## Introduction

Typification is always a fundamental starting point for nomenclatural and taxonomic investigations upon critical taxa.

As we are carrying out some investigations upon the genus *Festuca* in Italy, we felt the need of typifying the names of several taxa belonging to this genus and growing in Italy. The taxa are here discussed following the alphabetical and hierarchical order.

### Materials and methods

*Studied specimens.* – We personally searched the Herbaria FI, TO, W.

The labels of the lectotypes have been transcribed between inverted commas (“ ”), complying, as far as possible, with the original writing. If more than one label were attached on the same sheet, each of them is preceded by a capital letter and a bracket: A), B), C), ...).

Following abbreviations and symbols have been used (SIGNORINI & FOGGI, 1997):

- [ ] our own observations;
- / new line;
- // new line after a big gap (lines much spaced);
- pr. printed;
- m. handwriting by ...;
- m. i. *manu ignota* (unknown handwriting);
- o. s. printed or written directly on the sheet;
- s. d. *sine data* (with no date);
- s. coll. *sine collectore* (without collector's name);
- s. loc. *sine loco* (with no locality indication);
- ? not clearly legible;
- ... text not transcribed as unessential or illegible;
- Exs. specimen(s) mentioned in the protologue;
- Loc. locality(ies) mentioned in the protologue.

For the syntypes only main data have been reported.

Abbreviations of authors' names are according to BRUMMITT & POWELL (1992).

***Festuca calabrica*** Huter, Porta & Rigo, Itin. Ital. 3: n° 461 [in sched.] (1878).

As stated by I.C.B.N. (Art. 30.1, 30.2) (GREUTER & al., 1994), the name *F. calabrica* has been effectively and validly published for the first time by Huter, Porta & Rigo on the labels of the exsiccata of the «Itinere Italico III». The labels are printed by lithographed handwriting. Their date of publication is assumed to be 1878, after 8th January. This date is printed on the catalogue of the exsiccata collected in 1877 and placed on sale by HUTER (1878) (I.C.B.N. Art. 31.1). Consequently, the place of valid publication was neither PORTA (1879), nor HACKEL (1882).

**Loc.:** Calabria III. orient. loc. lapidos. rupestris. parte australi / m.ti Dolciodormie in Pollino, sol. calcar. 13-1500 m, raro ! / 11. Julio 1877.

*Examined type material.* – M. Dolciodormie, Pollino, 11 Jul 1877, leg. Huter, Porta et Rigo, *W 14790* Herb. Hackel!; idem, *W 154825!*; idem, FI!

*Lectotype here designated.* – “HERB. MUS. PALAT. VINDOB. / Acqu. 1916 nr. 14790 // Herb. E. Hackel [o. s., pr.]; A) Folii structura exacte / ut in spectabil, costae tamen / solo 2plici magnit. [?] parum / diversae [m. Hackel]; B) N° 461. Huter. Porta. Rigo, ex itinere italico III. / *Festuca calabrica* nobis. / Fest. spectabili Jan. affinis, a qua differt, culmo cum vaginis scabro ligulis elongatis capilliforme laceratis, ramis paniculae suberrectae / crassiusculis, glumis lanceolate attenuatis, acutis, cum paleis (superiore / altera brevior) dorso et margine scabriusculis tota herba cum spiculis glaucesc. / Calabria III. orient. loc. lapidos. rupestris. parte australi / m.ti

Dolcidormie in Pollino, sol. calcar. 13-1500 m, raro ! / 11 Julio 1877”, *W 14790* Herb. Hackel, W!, specimen on the left.

*Festuca ovina* var. *stenantha* Hack., Monogr. Festuc. Eur.: 110 (1882).

**Loc.:** In montibus vallibusque Alpium orientalium et dinaricarum, ut videtur rara: Styria superior in valle fl. Mürz l. Halacsy; Carinthia in valle Gailthal l. Pacher; Forojulia pr. Venzone (l. Huter); Cividale (l. Wulfen); Carniolia ad Mitala pr. Sagor (l. Deschmann); Bosnia (l. Sendtner); Dalmatia ad M. Orjen (l. Ascherson).

*Examined type material.* – Venzone, s. d., s. coll., *W 7382* Herb. Hackel!; Mürzthale, jul 1871, leg. de Halacsy, *W 7383* Herb. Hackel!.

*Lectotype designated here.* – “HERB. MUS. PALAT. VINDOB. / Acqu. 1916 nr. 7382 // Herb. E. Hackel [o. s., pr.]; A) ... [illegible because covered by label B] 35 bei Venzone im Friaul auf ... / ... / ... / ... [?] ... F. pyrenaica Boiss. [m. i.]; B) [attached on A] Festuca ovina var. stenantha / Hack. [m. Hackel]; C) typus / ...duriuscula... / ... [notes in shorthand writing] [m. i.]; D) [picture of a leaf blade section with notes, m. Hackel?]; E) [picture of a leaf blade section, with notes m. F. J. Widder, 1938]”, *W 7382* Herb. Hackel, W!, specimen on the left.

*Festuca ovina* subvar. *gracilis* Hack., Monogr. Festuc. Eur.: 109 (1882).

**Exs.:** de Heldr. Herb. Fl. hellen. 1635.

**Loc.:** In cacuminibus montium Siciliae: Pizzo d’Antenna, Pizzo de Case etc., Nebrodum lgg. Gussone, Lojacono, Strobl.; sed etiam in regione inferiore pr. Caldarola in «Limite lungo» lg. Ricci; M. Hagios Theodoros Creta lg. Heldr.

*Examined type material.* – M. Hagios Theodoros, Creta, 12 jul 1846, leg. Heldreich, *W 6053* Herb. Hackel!; Pizzo delle Case (Madonie, Sicily), s. d., leg. Lojacono, *W 6052* Herb. Hackel!; id., *W 40234* Herb. Hackel!; id., *W 40231* Herb. Hackel!

*Lectotype designated here.* – “HERB. MUS. PALAT. VINDOB. / Acqu. 1916 nr. 6053 // Herb. E. Hackel [o. s., pr.]; A) De Heldreich Herb. Florae Hellenicae [pr.] / 1635 [m. de Heldreich ?] F. ovina v. laevis subv. gracilis Hack. [m. Hackel] / F. duriuscula L. minor / F. duriuscula (nervata Endl. [?]) / In summo cacumine Hag. / Theodoros montium ... / ... [?] Cretae, alt. 7000’ 12 jul. 1846 [m. de Heldreich ?]; B) [picture of a leaf blade section, m. Hackel ?]; C) Festuca [pr.] laevis (Hack.) Nym. Consp. / ssp. laevis / var. gracilis (Hack.) III 65 / = F. circummediterranea / Patzke / var. gracilis Hack. XII 75 [m. Markgraf-Dannenberg] det. I. Markgraf-Dannenberg [pr.]”, *W 6053* Herb. Hackel, W!, specimen on the right.

*Festuca spectabilis* var. *carniolica* Hack., Monogr. Festuc. Eur.: 189 (1882).

**Exs.:** Schultz. Herb. norm. n. 587.

**Loc.:** In Carnioliae montibus Nanos et Zhavn. (lg. Tommasini etc.)

*Examined type material.* – M. Nanas, 23 jun 1859, leg. M. Tommasini, *W 14771* Herb. Hackel!; M. Nanas, s. d., leg. Tommasini, *W 14772* Herb. Hackel!; Zhan, s. d., s. coll., Herb. Pittoni!

*Lectotype designated here.* – “HERB. MUS. PALAT. VINDOB. / Acqu. 1916 nr. 14771 // Herb. E. Hackel [o. s., pr.]; F. Schultz, herbarium normale. Cent. 6. / 587, Festuca spectabilis Jan. elench. 2. n. 38, K. / Syn. 941, G.G. 3. 579; F. spadicea (nemorosa / Pollin. ver. 1 p. 117. [pr.] / v. carniolica / Hack. [m. Hackel] 23 juin 1859. / Lieux pierreux des bois sur le versant occidental du Monte / Nanas dans les montagnes calcaires près de Trieste (Illyrie, / Autriche). / Rec. M. Tommasini [pr.]”, *W 14771* Herb. Hackel, W!, specimen on the left.

*Festuca varia* subsp. *sardoa* Hack. in Barbey, Fl. Sard. Comp.: 71 (1885).

**Exs.:** In rupibus cacuminis montis Limbaro, prope Tempio Sardiniae, leg. E. Reverchon, 4 julii 1882 (sub *F. pilosa* var. *flavescens*); s. loc., Herb. Moris (sub *F. duriuscula* var. ?).

**Loc.:** In rupibus cacuminis montis Limbaro, prope Tempio Sardiniae, leg. E. Reverchon, 4 julii 1882.

*Examined type material.* – M. Limbaro (= Limbara, Sardegna), 4 jul 1882, leg. Reverchon, *W 14701* Herb. Hackel!; s. loc., s. d., leg. Moris, Herb. Moris, TO!

*Lectotype designated here.* – “HERB. MUS. PALAT. VINDOB. / Acqu. 1916 nr. 14701 // Herb. E. Hackel [o. s., pr.]; A) Plantes de Sardaigne. 1882. / E. Reverchon / N° [pr.] / *Festuca pilosa* Hall. [m. Reverchon] / *varia* subsp. *sardoa* Hack. [m. Hackel] / Arrondissement de Tempio [pr.] / – var. *flavescens* mihi / sommet du mont Limbaro / 4 juillet / rare. Les rochers [m. Reverchon]; B) *Festuca* [pr.] *sardoa* (Hack.) Richt. / III 76 [m. Markgraf-Dannenberg] det. I. Markgraf-Dannenberg [pr.]; C) Typus”, *W 14701* Herb. Hackel, W!, specimen on the left.

*Festuca varia* var. *cenisia* Hack., Monogr. Festuc. Eur.: 176 (1882).

**Loc.:** Prope Ronche ad montem Cenisium leg. Biondi.

*Examined type material.* – Ronche (M. Cenisio), jul 1876, leg. Biondi, *W 14685* Herb. Hackel!

*Lectotype designated here.* – “HERB. MUS. PALAT. VINDOB. / Acqu. 1916 nr. 14685 // Herb. E. Hackel [o. s., pr.]; A) ... [notes in shorthand writing]; B) Erbario A. Biondi / Piante Italiane [pr.] / *Poa* [m. Biondi] *Festuca varia* Hke. var. ... [some canceled words] var. *cenisia* Hack. / (fol. *scabriusculis*) [m. Hackel] / iter ad Cenisium, Ronche / Julio 1876 [m. Biondi]; C) 113 // ? // III.1927. [m. i.] REV. VLAD. KRAJINA; D) *Festuca* [pr.] *scabriculum* (Hack.) Richt. / var. *spretta* (St. Yves) / III.76 [m. Markgraf-Dannenberg] det. I. Markgraf-Dannenberg [pr.]”, *W 14685* Herb. Hackel, W!

*Festuca varia* var. *scabriculum* Hack., Monogr. Festuc. Eur.: 176 (1882).

**Loc.:** In Alpius Maritimis: pr. Tenda, Val Ellero, m. Clapier, Entraque, Rocca Argentara, Val Vallasco, Val Logon Valdieri, leg. Burnat.

*Examined type material.* – Minière de Tende (Alpes Maritimes), 9 aug 1874, leg. E. Burnat, *W 14692* Herb. Hackel!; val Longon (Alpes Maritimes), 2 aug 1876, leg. Burnat, *W 14691* Herb. Hackel!; other syntypes probably in G-Burnat (KERGUÉLEN & PLONKA, 1989).

*Lectotype designated here.* – “HERB. MUS. PALAT. VINDOB. / Acqu. 1916 nr. 14692 // Herb. E. Hackel [o. s., pr.]; A) ... [?] cfr. *pumila rigidior* ... [?, m. Hackel] / Herbier Emile Burnat, Vevey, (Suisse) [pr.] / *Festuca varia* Haenke / v. *scabriculum* Hack. subv. *scabrifolia* [m. Hackel] / Extrémité supérieure de la vallée de la / minière de Tende (Alpes maritimes) / flanches du mont Bego. vers le lac delle Miraviglie // 9 Août [m. Burnat] 187 [pr.] 4 [m. Burnat] leg. [pr.] E. Burnat [m. Burnat]; B) 212 // ? // IV.1927. [m. i.] REV. VLAD. KRAJINA; C) *Festuca* [pr.] *scabriculum* (Hack.) Richt. / III.76 [m. Markgraf-Dannenberg] det. I. Markgraf-Dannenberg [pr.]”, *W 14692* Herb. Hackel, W!, specimen on the right.

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