



## WHAT LIES BEHIND THE NAME *FESTUCA ARVERNENSIS* AUQUIER, KERGUÉLEN & MARKGR.-DANNENB. IN THE *INDEX FLORAE CROATICAЕ*?

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**Alegro, A.: What lies behind the name *Festuca arvernensis* Auquier, Kerguélen & Markgr.-Dannenb. in the *Index Florae Croaticae*? Nat. Croat., Vol. 15. No. 4., 243–245, 2006, Zagreb.**

Why the species *Festuca arvernensis*, endemic to S. C. and S. W. France, is quoted in the *Index Florae Croaticae* and in the Flora Croatica database is discussed. It is shown that the name was wrongly used for the endemic Illyrian-Adriatic species *Festuca lapidosa*.

**Key words:** *Festuca arvernensis*, *Festuca lapidosa*, flora, Croatia.

**Alegro, A.: Što se krije iza imena *Festuca arvernensis* Auquier, Kerguélen & Markgr.-Dannenb. u »Index Florae Croaticae«? Nat. Croat., Vol. 15. No. 4., 243–245, 2006, Zagreb.**

U članku se raspravlja o razlogu zašto je vrsta *Festuca arvernensis*, endemična za južne dijelove središnje Francuske, te za jugozapad Francuske, uključena u »Index Florae Croaticae« i u »Flora Croatica database«. Objasnjeno je da je to ime krivo upotrijebljeno za endemičnu ilirsko-jadransku vrstu *Festuca lapidosa*.

**Ključne riječi:** *Festuca arvernensis*, *Festuca lapidosa*, flora, Hrvatska.

### INTRODUCTION

In the *Index Florae Croaticae* 3 (TOPIĆ & ILIJANIĆ in NIKOLIĆ 2000: 138) and in the Flora Croatica database (<http://hirc.hr/fcd/search.aspx>) *Festuca arvernensis* Auquier, Kerguélen & Markgr.-Dannenb. is quoted as a common member of the flora of Croatia. This is astonishing when we consider the data about the distribution of this species. *F. arvernensis* is distributed in the mountains of S. C. and S. W. France (MARKGRAF-DANNENBERG, 1980), or more precisely, the centre of its area of distribution is in the Massif Central with some extensions to the South and to the Eastern Pyrenees (PORTAL, 1999). The species is divided into two subspecies: *F.*

*arvernensis* subsp. *arvernensis* and *F. arvernensis* subsp. *costei* (St-Yves) Auquier & Kerguélen. Furthermore, new taxa from southern parts of its area of distribution, where hexaploid populations occur, are also possible (PORTAL, 1999).

However, the question is how this Western-European endemic species with a limited area of distribution found a place in the *Index Florae Croatiae*.

## RESULTS AND DISCUSSION

The answer can be found in the literature related to *F. arvernensis*, cited in *Index Florae Croatiae* 3: FREYN (1882) and HACKEL (1882). FREYN quoted the taxon *Festuca glauca* Lam. (= *F. ovina* var. *glauca*) for the flora of Southern Istria. The taxon *F. glauca* Lam. is synonymized by HACKEL as *F. ovina* L. var. *glauca* Hackel subvar. *genuina* Hackel. For its area of distribution he quotes: »frequentior in occidente: in Gallia centrali (Auvergne etc., Pyrenaeis, Jura, Delphinatu, Germania occidentali (Palatinatu), Helvetia (Martigny), rarius in Bohemia (Pragae), Austr. inf.« (which partially corresponds with the present knowledge about its distribution). AUQUIER, KERGUÉLEN & MARKGRAF-DANNENBERG (1977) made a new circumscription of this taxon under the name *F. arvernensis*. Consequently, the right synonymy is: *F. arvernensis* Auquier, Kerguélen & Markgr.-Dannenb. = *F. ovina* L. var. *glauca* Hackel subvar. *genuina* Hackel = *F. glauca* Lam., non Vill. A shorter version of this synonymy, *F. arvernensis* Auquier, Kerguélen & Markgr.-Dannenb. = *F. glauca* Lam., non Vill., was quoted in »Flora Europaea« by MARKGRAF-DANNENBERG (1980), and from there *F. arvernensis* entered *Index flore Croatiae*.

Now the question is what lies behind the citation of the name *F. glauca* Lam. in FREYN's paper. The answer begins in Freyn's previous paper referring to the flora of Southern Istria (1877). There, the taxon *Festuca duriuscula* γ *glauca* Godr. determined by HACKEL is quoted. The same taxon was collected 1908 by KOCŠIS on the island of Pag. He sent herbarium material to DEGEN, and 1909 he sent it further to HACKEL. This time HACKEL recognised a new taxon and described it under the name *Festuca ovina* L. var. *lapidosa* Hackel. The circumscription stayed »in schedula« until 1936, when it was published by Degen in *Flora Velebitica* 1. In 1973 MARKGRAF-DANNENBERG collected it in Southern Istria, and after revision of DEGEN's herbarium she raised the status of the taxon to the specific level, *Festuca lapidosa* (Degen) Markgr.-Dannenb., in 1975.

Consequently, both names quoted by FREYN (1877, 1882) refer to the species *F. lapidosa*, the endemic Illyrian-Adriatic species distributed in Southern Istria and on the islands of Pag, Brač and Hvar (cf. ALEGRO, 2002). Therefore, in answer to the question of the title, it is the name *F. lapidosa* that lies behind the *F. arvernensis* in the *Index Florae Croatiae*.

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## SAŽETAK

Što se krije iza imena *Festuca arvernensis* Auquier,  
Kerguélen & Markgr.-Dannenb. u »Index Florae Croaticae«?

A. Alegro

Vrsta *Festuca arvernensis* Auquier, Kerguélen & Markgr.-Dannenb. uključena je u djelo »Index Flore Croaticae«, te u bazu podataka »Flora Croatica database« kao član hrvatske flore. Taj podatak je neobičan s obzirom da se radi o zapadnoeuropskoj vrsti endemičnoj za južne dijelove središnje Francuske i jugozapad Francuske. Ime je u ta djela preuzeto kao sinonim za svojtu *Festuca glauca* Lam., koju Freyn navodi za floru južne Istre. U radu je objašnjeno da se imena *Festuca glauca* Lam. i *Festuca duriuscula* γ *glauca* Godr., koja koristi Freyn, odnose na endemičnu ilirsko-jadransku vrstu *Festuca lapidosa* (Degen) Markgr.-Dannenb.