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Summary

In this paper the *Festuca* species of whole Greece including Crete are put together critically. Their specific characters, with some designs of spicules and cross sections of leaves, their distribution, taxonomic and geographic relations, and, where possible, short vegetation sketches are given. For polymorphous groups regional keys are elaborated. Of well known monomorphous species only their localities are enumerated. Several groups, especially the *F. varia* aggregate and the former "*F. duriuscula*" are newly evaluated. All investigations rely upon specimens controlled by the author. Indications of literature are taken into account only if ensured by authentic specimens.

34 taxa are treated in specific rank. Several of them and some infraspecific taxa are described as new: *Festuca grandiaristata*, *F. Horvatiana*, *F. Rechargingeri* (supplementarily the turkish *F. ilgazensis*); *F. amethystina* var. *graeca*, *F. cyllenica* subsp. *pangaei*, subsp. *pindica*, subsp. *thasia*, *F. graeca* subsp. *Pawlowskiana*, *F. Heldreichii* var. *achaica*, *F. polita* var. *cretica* and var. *euboeica*, *F. rubra* subsp. *thessalica*, *F. valida* var. *leilaensis*, *F. violacea* subsp. *Handelii*. - Some others are elevated to specific level: *F. graeca* (Hack.), *F. hirtovaginata* (Acht.), *F. Penzesii* (Acht.), *F. sipylea* (Hack.), *F. thracica* (Hack.), supplementarily the west-anatolian *F. ustulata* (Hack.).

Several taxa known as yet only outside of Greece are proved to occur in Greece as well: *F. alpina* subsp. *Briquetii*, *F. amethystina*, *F. hirtovaginata*, *F. koritnicensis*, *F. Penzesii*, *F. rubra* var. *asperifolia* and var. *microphylla*, *F. sipylea*, *F. thracica*, *F. valida*, *F. violacea*.

They lead to some new phytogeographic relations of the greek *Festuca* flora to Albania, Jugoslavia, Bulgaria, Turkey, and even to the tyrrhenian relic flora.

F. valesiaca is represented uniformly by var. *valesiaca*. Its southern limit was found on the pass of Psilochori (Oeta region) south of the Thermopyles. *F. rubra* var. *rubra*, too, seems to occur southernmost on Mount Oeta. - *F. amethystina* is isolated in the Pindos Mounts; its nearest localities, though of other varieties, are in Bosnia and in eastern Turkey. - The occurrence of *F. alpina* subsp. *Briquetii* is rather unexpected. It may no longer be regarded as an endemism of Corsica, but grows also in the Apuanian Alps, Abruzzi Mts, Calabria and Peloponnesus.

Several species formerly indicated for Greece do not occur there at all: *F. crassifolia* Gaud., *F. "duriuscula* L.", *F. glauca* Lam., *F. Halleri* All., *F. laevis* (Hack.) Nym. var. *campana* (Terr.) Hack., *F. panciciana* (Hack.) Richt., *F. saxatilis* Schur, *F. stricta* Host, *F. sulcata* (Hack.) Nym., *F. varia* (Haenke) var. *acuminata* Hack., var. *calva* (Hack.) St. Yves, var. *genuina* Hack.