

Eastern Alpine and Dinaric Society for Vegetation Ecology

37th Meeting

Prizren (Kosovo), 13 –16 July 2017

Book of Abstracts



Tulipa kosovarica

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BOOK OF ABSTRACTS

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High Mountain Steppe Vegetation of the Argözü Valley in Kibriscik, Bolu/Turkey

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The object of this study is to analyse the high mountain steppe vegetation of Argözü Valley in Kibriscik (Turkey). Argözü Valley is situated on the southern slopes of Köroğlu Mountains. The research area is province of Euro-Siberian Region. The climate of the region changes from less rainy Mediterranean type. Annual precipitation varies from 700 mm to 1200 mm depending on altitudinal mean annual temperature is 11°C. Volcanic with andesite characteristic rocks occur in the area. Sample plots were taken from high mountain steppe vegetation of the study area. Vegetation data we using TWINSpan (Hill, 1979) under JUICE software and indirect ordination analysis were applied. As a result of classification and ordination, two associations under different two alliance were determined.

Class: DAPHNETO-FESTUCETEA Quézel 1964

Order: DAPHNO-FESTUCETALES Quézel 1972

Alliance: HYPERICO-VERBASCION

Association: *Hordeo-Alopecuretum arundinacei* ass.nova

Class: ASTRAGALO-BROMETEA Quézel 1973

Order: HYPERICO-THYMETALIA SCORPILII Akman, Quézel, Ketenoğlu, Yurdakulol, Demirörs 1987

Alliance: FESTUCO CYLLENICAE-VERBASCION OCCIDENTALE Akman, Quézel, Ketenoğlu, Yurdakulol, Demirörs 1987 Querco-Pinetum

Association: *Astragalo-Festucetum cyllenicae* ass.nova

High mountain steppe communities are important in the region, because the most endangered endemic taxa distributes in these communities. In the study area high mountain steppe ecosystem is under pressure by grazing activity. And in this area, most of the endemic species distribute where exposed to grazing. Human activities must be reduced or performed in controlled manner, should minimize the damage in such sensitive ecosystems.

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