

Vascular flora of the Natural Monument “Sopotnica Waterfalls” (Southwestern Serbia)

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Natural Monument “Sopotnica Waterfalls” is located in southwestern Serbia, on the western slopes of Jadovnik Mt. This area covers 200 ha in the vicinity of Sopotnica village, around the Sopotnica river, Prijepolje municipality. Field researches were conducted during 2014 and 2015 years, in all vegetation periods. A total of 384 taxa of vascular flora, grouped in 78 families and 243 genera were registered at species and subspecies level. Families with the largest number of taxa were Asteraceae, Poaceae, Fabaceae and Orchidaceae while the richest genera were – *Ranunculus*, *Veronica*, *Orchis*, *Carex* and *Trifolium*. Chorological analysis showed that the greatest number of registered taxa belongs to Centraleuropean and Euroasian areal types. The analysis of the life forms indicates domination of hemicriptophytes, with a large number of geophytes. Our study confirmed 18 species as strictly protected and 49 as protected, from which 29 species are under Directive on control of use and trade of wild plant and animal species. A relatively high percentage of protected species, along with a great diversity of habitats, emphasize floristic importance of this area.

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Phenotypic variability and plasticity of *Silene waldsteinii* Griseb. (Caryophyllaceae)

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Silene waldsteinii is endemic to the Balkan Peninsula. It exclusively inhabits silicate rocks in alpine and subalpine regions of the mountain ranges in Albania,