11th Symposium on the Flora of Southeastern Serbia and Neighboring Regions,

Vlasina 13th-16th June, 2013

Book of abstracts

Zbornik apstrakata

Ovaj Simpozijum je organizovan uz materijalnu podršku Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije

Morphological variability of species *Anacamptis morio* (L.) R. M. Bateman, Pridgeon & M. W. Chase 1997 from Montenegro and Southwestern Serbia

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This research focuses on the morphological variability of eight populations of *Anacamptis morio* (L.) R. M. Bateman, Pridgeon & M. W. Chase 1997 originating from southwestern Serbia and Montenegro, in order to determine new characters that could be used for defining infraspecific taxa within this species. A total of 24 characters were analyzed, out of which 17 morphometric and 7 characters that represent indexes calculated based on proper morphometric characters. Analysis of quantitative characters included 240 individuals. After the morphological and morphometric processing, resulting data were analyzed by methods of basic and multivariate statistics. Based on the results obtained by statistical analysis and literature data, populations from Tara, Durmitor and Zlatar mountains can be defined as typical form morio with thicker stem and larger leaves, while populations from Uvac, Morača, Čanj and Kopaonik have characteristics of form elatior with higher and thinner stem. Population from Pešter represents transition in morphological sense between these two groups of populations so represent a basis for further comparative taxonomic study of this taxon.

Acknowledgement: This research was conducted within the project no. 173030, funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia.

New or rarely recorded diatoms taxa from Serbia (Dojkinačka stream, SE Serbia)

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Diatoms (Bacillariophyta) inhabiting different types of substrate including stone surfaces, sand, mud, filamentous algae and submerged mosses in the Dojkinačka stream (SE Serbia) were studied by light microscopy. Among numerous common diatoms taxa we observed 17 rarely recorded taxa from Serbia and 5 new to the Serbian diatom flora (*Brachysira intermedia* (Øst.) Lange-Bert., *Chamaepinnularia mediocris* (Krass.) Lange-Bert., *Navicula tridentula* Krass., *Eunotia paludosa* Grun., *Eunotia boreoalpina* Lange-Bert. & Nörpel-Schem.). Among rare taxa, the most interesting was *Diatomella balfouriana* Grevill. In Serbia, it was known only from the River Tisa near Titel (Szabados 1966). In the material studied, it was identified only in samples collected from the surface of rocks at the third locality in unpolluted section of the Dojkinačka stream. We observed it in mass, together with *Tetracyclus rupestris* (Braun) Grun.

Molecular study of *Sesleria robusta* species complex (Poaceae)

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The *Sesleria robusta* species complex belongs to *Sesleria* sect. *Argenteae* Deyl,"Turma" (=swarm) *Nitida* Deyl, which comprises the following species: *S. doerflerii* Hayek, *S. italica* (Pamp.) Ujhelyi, *S. nitida* Ten., *S. robusta* Schott, Nyman et Kotschy, *S. vaginalis* Boiss. & Orph., *S. wettsteinii* Dörfl. & Hayek and *S. sillingerii* Deyl. In the strict sense, *S. robusta* complex includes three closely related and morphologically similar species – *S. doerfleri*, *S. robusta* and *S. wettsteinii*,