



Department of Biology and Ecology,  
Faculty of Sciences and Mathematics  
University of Niš  
Institute for Nature Conservation of Serbia

# ABSTRACTS APSTRAKTI

14<sup>th</sup> Symposium  
on the Flora of Southeastern Serbia  
and Neighboring Regions

Kladovo 26 to 29 June 2022

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o flori jugoistočne Srbije  
i susednih regiona

Kladovo 26. do 29. jun 2022.

Niš-Belgrade, 2022

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Kladovo, 26<sup>th</sup> to 29<sup>th</sup> June, 2022

Abstracts

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## The Sava Lake – charophyte gem in the heart of Belgrade

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The Sava Lake, originating from a branch of the Sava river, is situated next to the island Ada Ciganlija on the right bank of the Sava river in Belgrade (Serbia). It is an urban recreational lake under strong anthropogenic influence, especially during the summer days. Investigations of aquatic vegetation were conducted several times during the last decades and the latest systematic survey was conducted in summer 2017 as a part of STARWALK project. Since then, sampling was continued sporadically, revealing a great diversity of charophyte algae. Overall, we discovered eight charophyte species in the lake, which is a remarkable number even for unimpacted natural lakes. The species found belong to four out of six genera of living charophytes. The genus *Chara* is represented with three species, *C. globularis*, *C. contraria* and *C. virgata*, the genus *Nitella* also with three, *Nitella mucronata*, *N. gracilis*, *N. flexilis*, and genera *Tolypella* and *Nitellopsis* with one species, respectively, *T. intricata* and *N. obtusa*. Moreover, almost all discovered species are red listed in Serbia and the Balkans, according to IUCN criteria. Six of them are strictly protected according to national legislation. The finding of *Nitella flexilis* was the first finding of this species for Serbia.

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