

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

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

**Stara planina Mt. 20 to 23 June 2019**



**13. Simpozijum  
o flori jugoistočne Srbije  
i susednih regiona**

**Stara planina 20. do 23. jun 2019.**

**ABSTRACTS  
APSTRAKTI**

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Abstracts

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## Diversity of macroalgal aggregations in the Jelovičko spring

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Karst springs represent one of the most important freshwater habitats due to the specific hydrological, physical and chemical characteristics as well as specific living communities which rarely could be found in other aquatic ecosystems. However, these springs are biologically very poorly investigated in Serbia. The Jelovičko spring, located in the Vidlič part of the Nature Park Stara mountain (Eastern Serbia), belongs to the group of limnocrene siphonal karst springs. Algological research of this spring was conducted in August 2018. Samples of macroscopic algal aggregations were collected and physical and chemical parameters of water were measured. Seven types of macroscopic aggregations were identified: free filaments (*Paralemanea* sp.), brown threads (colonies of *Melosira varians* and *Odontidium* sp.), green threads (*Spirogyra* sp. and colonies of *Odontidium* sp.; *Microspora* sp. and colonies of *Odontidium* sp.), brown gelatinous threads (colonies of *Odontidium* sp., *M. varians*, and chironomid eggs), green gelatinous threads (*Tribonema* sp., colonies of *Odontidium* sp. and *M. varians*), gelatinous filaments (*Batrachospermum* sp.), cushion-like forms (*Vaucheria* sp.). This paper presents the new findings of two rare red algae of the genera *Batrachospermum* and *Paralemanea* in Serbia and the first appearance of two Rhodophyta species at the same locality in Serbian aquatic ecosystems.

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