



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

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

Kladovo 26. do 29. jun 2022.

Niš-Belgrade, 2022

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

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

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

Abstracts

14<sup>th</sup> Symposium on the Flora of Southeastern Serbia and Neighboring Regions,  
Kladovo, 26<sup>th</sup> to 29<sup>th</sup> June 2022

## Book of Abstracts

### Publishers

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

### Organizers

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

### Editors

Vladimir Ranđelović, Zorica Stojanović-Radić, Danijela Nikolić, Dragana Jenačković  
Gocić

### Scientific Committee

**Vladimir Ranđelović**, Serbia, President

**Dörte Harpke**, Germany  
**Lorenzo Peruzzi**, Italy  
**Beata Papp**, Hungary  
**Chavdar Gussev**, Bulgaria  
**Nejc Jogan**, Slovenia  
**Ivana Rešetnik**, Croatia  
**Danijela Stešević**, Montenegro  
**Renata Čušterevska**, Macedonia  
**Lulëzim Shuka**, Albania  
**Osman Erol**, Turkey  
**Ana Coste**, Romania  
**Dragos Postolache**, Romania  
**Siniša Škondrić**, Bosnia & Herzegovina  
**Christian Bräuchler**, Austria  
**Tzvetanka Raycheva**, Bulgaria  
**Dragica Purger**, Hungary  
**Flavia Landucci**, Czech Republic  
**Jasmina Kamberović**, Bosnia &  
Herzegovina  
**Marek Slovák**, Czech Republic  
**Nina Vuković**, Croatia

**Sretco Milanovici**, Romania  
**Marjan Niketić**, Serbia  
**Dmitar Lakušić**, Serbia  
**Gordana Tomović**, Serbia  
**Marko Sabovljević**, Serbia  
**Biljana Božin**, Serbia  
**Goran Anačkov**, Serbia  
**Milan Stanković**, Serbia  
**Nedeljko Manojlović**, Serbia  
**Biljana Panjković**, Serbia  
**Dragana Ostojić**, Serbia  
**Biljana Nikolić**, Serbia  
**Verica Stojanović**, Serbia  
**Niko Radulović**, Serbia  
**Bojan Zlatković**, Serbia  
**Marina Jušković**, Serbia  
**Dragana Stojičić**, Serbia  
**Lana Zorić**, Serbia  
**Sanja Đurović**, Serbia  
**Tatjana Mihajilov-Krstev**, Serbia

### Printed by

Grafik Centar Beograd

### Number of copies

210

Niš-Belgrade, 2022

## ORAL PRESENTATIONS

### **Growth characteristics of sessile oak (*Quercus petraeae* (Matt.) Liebl., Fagaceae) young crop in conditions of small size regeneration areas**

**Bobinac, M.<sup>1</sup>, Andrašev, S.<sup>2</sup>, Šušić, N.<sup>3</sup>, Kabiljo, M.<sup>4</sup>**

<sup>1</sup>University of Belgrade, Faculty of Forestry, Kneza Višeslava 1, 11030, Belgrade, Serbia

<sup>2</sup>University of Novi Sad, Institute of Lowland Forestry and Environment, Antona Čehova 13d, 21000, Novi Sad, Serbia

<sup>3</sup>University of Belgrade, Institute for Multidisciplinary Research, Kneza Višeslava 1, 11030, P.O. Box 33, Belgrade, Serbia

<sup>4</sup>Institute of Forestry, Kneza Višeslava 3, 11030, Belgrade

\* *martin.bobinac@sfb.bg.ac.rs*

In accordance with the biology of sessile oak that implies shade tolerance and the ability to regenerate in the closed stand canopy conditions in the monodominant sessile oak forests in Serbia, the natural regeneration of stands is mainly based on beforehand, spontaneously formed young crop and its gradual release from shade of the secondary species and mother trees by means of regeneration cuts on the areas of various size. In the conditions of small size regeneration areas on a site of a mesophilous variant of monodominant sessile oak forest (*Quercetum petraeae* Čer. et Jov. 1953. s.l) in the area of northeastern Serbia, a morphometric analysis was conducted on sessile oak young crop that was formed after successive mast years (2002, 2005, 2009 and 2011). In the oldest found young crop that was formed in the closed canopy conditions, the above-cotyledon-axis was on average 9.0 cm tall in the first year of its development while at age 15 years it was 55.0 cm with a root collar diameter of 6.3 mm. The morphology of the seedlings was typical of shade conditions (sciomorphic). The current annual height increment in the unchanged canopy conditions in the period from the 2<sup>nd</sup> to the 9<sup>th</sup> year of age was 1.0–2.6 cm. When the canopy conditions were changed, from 10<sup>th</sup> to 15<sup>th</sup> year, the current annual height increment was 1.4–10.9 cm. In the conditions of small size regeneration areas, the sessile oak young crop shows a specific norm of reaction of height growth in the first and in the following years of development and the main height growth type was one-flush growth.

**Acknowledgements.** This work was funded by the Ministry of Education, Science and Technological Development, Republic of Serbia (Contract No. 451-03-9/2022-14/200169; 451-03-68/2022-14/200197; 451-03-68/2022-14/200053; 115001/2022).

## **The distribution of Tree-of-Heaven (*Ailanthus altissima* (Mill.) Swingle, Simaroubaceae) in the Area of “Đerdap National Park”**

**Bobinac, M.<sup>1</sup>, Andrašev, S.<sup>2</sup>, Šušić, N.<sup>3</sup>, Radaković, N.<sup>4</sup>, Maksimović, M.<sup>4</sup>**

<sup>1</sup>University of Belgrade, Faculty of Forestry, Kneza Višeslava 1, 11030, Belgrade, Serbia

<sup>2</sup>University of Novi Sad, Institute of Lowland Forestry and Environment, Antona Čehova 13d, 21000, Novi Sad, Serbia

<sup>3</sup>University of Belgrade, Institute for Multidisciplinary Research, Kneza Višeslava 1, 11030, P.O. Box 33, Belgrade, Serbia

<sup>4</sup>Public Enterprise “Đerdap National Park”, Kralja Petra 1, 14a, 19220, Donji Milanovac, Serbia

\* *martin.bobinac@sfb.bg.ac.rs*

Tree-of-Heaven is an invasive tree species that disturbs the biodiversity and is particularly important in protected areas. On the basis of its investigated spatial distribution in the “Đerdap National Park”, Tree-of-Heaven is most represented on the edges of the National park, close to Danube, where the anthropogenic influence is most pronounced. Having in mind that the roads and watercourses are the main corridors for expansion of invasive tree species and that the full length of the borders of “Đerdap National Park” are matching these corridors, it can be assumed that Tree-of-Heaven was present in the area since the XIX century as the species was used for reforestation of Ramsko-Golubačka and Deliblato Sands that are in the upstream part of the Danube close to the “Đerdap National Park” borders. Due to the construction of the state road (“Đerdapska magistrala”) along the borders of the National park, Tree-of-Heaven gradually colonized the rocky road cuts going from lower towards higher attitudes. It can be expected that Tree-of-Heaven will be permanently present in the area in the upcoming period as the terrain of the rocky road cuts is unapproachable and recently colonized by Tree-of-Heaven. Significant individual or group distribution of Tree-of-Heaven in the area of “Đerdap National Park” is recorded close to and in the area of the protection regime I, on localities of great scientific importance such as “Kanjon Boljetnske reke” and “Lepenski vir”.

**CIP - Каталогизација у публикацији  
Народна библиотека Србије, Београд**

581.9(4-924.64)(048)

581.5(4-924.64)(048)

615.322:582(4-924.64)(048)

SYMPOSIUM on the Flora of Southeastern Serbia and Neighbouring Regions (14 ; 2022 ; Kladovo)

[Book of] Abstracts / 14th Symposium on the Flora of Southeastern Serbia and Neighboring Regions, Kladovo, 26th to 29th June, 2022; [organizers] Department of Biology and Ecology, Faculty of Sciences and Mathematics, University of Niš Institute for Nature Conservation of Serbia ; [editors Vladimir Randelović ... [et al.]].

- Niš : Department of Biology and Ecology, Faculty of Science and Mathematics, University ; Belgrade : Institute for Nature Conservation of Serbia, 2022 (Beograd : Grafik Centar). - 216 str. ; 21 cm

Tiraž 210. - Registar.

ISBN 978-86-6275-140-9 (FSM)

а) Флора -- Балканско полуострво -- Апстракти б) Биљне заједнице -- Балканско полуострво -- Апстракти в) Лековите биљке – Балканско полуострво – Апстракти

COBISS.SR-ID 68500489