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

13th 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

Niš-Belgrade, 2019

Department of Biology and Ecology,
Faculty of Sciences and Mathematics, University of Niš
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13th Symposium on the Flora of Southeastern Serbia and Neighboring Regions

Stara planina Mt., 20th to 23th June, 2019

Abstracts

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Book of Abstracts

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Department of Biology and Ecology, Faculty of Science and Mathematics, University of Niš

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PROGRAMME

Thursday, June 20th, 2019

19.00-22.00 Registration

Friday, June 21th, 2019

8.00-10.00 Registration

10.00-10.30 Opening Ceremony

10.30-11.30 Plenary Session

Hall 1

12.00-13.30 Taxonomy and Systematics

15.30-16.30 Taxonomy and Systematics

Hall 2

12.00-13.30 Phytochemistry and Phytotherapy

15.30-16.30 Phytochemistry and Phytotherapy

Poster Session 1

17.00-18.30

Phytochemistry and Phytotherapy, Useful Plants

Saturday, June 22th, 2019

9.00-18.00 Excursions

Excursion 1 (hiking tour to the Midžor peak)

Excursion 2 (Hotel-Bigreni waterfalls-Temska)

Excursion 2-Alternative (hiking tour to the Babin Zub peak)

19.00-20.00 Panel Discussion

Euro+Med and the Balkan Taxa

21.00 Conference dinner

Sunday, June 23th, 2019

Hall 1

9.30-12.30 Phytogeography, Floristics and Phytoecology

12.30-14.00 Nature Protection and Environment

Hall 2

10.00-11.00 Agriculture, Forestry and Landscape Architecture

11.00-11.30 Genetics, Selection and Biotechnology

11.30-12.00 Useful Plants

12.00-13.00 Zoology (Animals and Plant Interactions)

Poster Session 2

15.30-17.00

Taxonomy and Systematics,

Phytogeography, Floristics and Phytoecology

Poster Session 3

17.00-18.30

Nature Protection and Environment

Genetics, Selection and Biotechnology

Agriculture, Forestry and Landscape Architecture

A preliminary checklist of Ascomycota from Suva Planina Mountain, Serbia

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The current knowledge of Ascomycota species diversity on Suva Planina Mountain is summarized, and the presence on a total of 119 taxa has been identified. Registered species are listed alphabetically in a form of a preliminary checklist compiled based on specimens collected during mycological surveys carried out from 2004 to 2019, available published and unpublished data as well as revised fungarium specimens. The vast majority of the species listed in the present checklist have not previously been reported from this area. According to current data the following species can be highlighted as rare in the country: *Parascutellinia carneosanguinea*, *Plectania melastoma*, *Pseudoplectania nigrella*, *Sowerbyella fagicola*, *Spathularia flavida* and *Urnula mediterranea*. Suva Planina Mt. is currently the only known locality in the country for the species *P. carneosanguinea*and *S. fagicola*. The aim of this study is to enrich the information about Ascomycota diversity in Serbia especially due to deficient data of this taxonomic group from the southeastern part of the country.

The lichen collection of the Herbarium Moesiacum Niš (HMN) - Taxonomical Analysis

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The lichenarium of the HMN currently consists of 50 specimens collected in the last ten years (2009-2018) in Serbia and Bulgaria. The results of the taxonomic analysis have revealed the presence of 45 species belonging to 28 genera and 12 families. Families with the highest number of genera are: Parmeliaceae (16 genera),

Physciaceae (2). All left over families are represented by a single genus. Genera with the highest number of species are: Cladonia (4), Melanelixia (3), Ramalina (3), Peltigera (3), and Usnea (3). The most abundant families are: Parmeliaceae (23 species), Cladoniaceae (4) and Physciaceae (4).

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Polystichums in Bulgaria

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Bulgarian representatives of the fern family Dryopteridaceae have been a subject of biosystematic investigations for more than 15 years. Only two genera of this family occur in Bulgaria: *Dryopteris* and *Polystichum*. Genus *Polystichum* is one of the most species-rich fern genera in the World, comprising between 260 and 500 species. It is also one of the most widespread, morphologically diverse and taxonomically complex genera. A critical taxonomic revision of all *Polystichum* representatives in Bulgaria with emphasis on their overall morphology, spore characteristics, cytology, ecology, and distribution was made. Currently it is known that *Polystichum* is represented by 6 taxa (species and hybrids) distributed from 10 to 2640 m altitude. Morphological comparison between Bulgarian taxa showed that the frond morphology of the two known hybrids is intermediate between their parents. Additionally, their spores are abortive and greatly vary in shape and size. Plants from many localities were checked cytologically. The taxa were diploid (2n=82), triploid (2n=123) and tetraploid (2n=164). Illustrations of some important morphological characters of leaves, perispore sculpture and chromosome numbers are presented. Distribution maps of the taxa based on revised herbarium materials as well as personal collections are given. An identification key is included.