



**4. Hrvatski Botanički Simpozij
s međunarodnim sudjelovanjem**
27. - 29. rujna 2013.
Split, Hrvatska



**4th Croatian Botanical Symposium
with international participation**
September 27 – 29, 2013
Split, Croatia

Programme

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4. Hrvatskog Botaničkog Simpozija s međunarodnim sudjelovanjem

THURSDAY, September 26, 2013 / ČETVRTAK, 26. rujna 2013.

17.00-20.00 Registration / Registracija

19.00 Opening of exhibition „Landscapes and biodiversity of the Delta of Neretva river“ (NGO Divina Natura, Metković in cooperation with Croatian Botanical Society and the University of Split, Faculty of Science Split)

Otvorenje izložbe „Krajobraz i biološka raznolikost delte Neretve“ (Udruga Divina Natura, Metković, u suradnji s Hrvatskim botaničkim društvom i Sveučilištem u Splitu, Prirodoslovno-matematički fakultet Split)

FRIDAY, September 27, 2013 / PETAK, 27. rujna 2013.

8.00 – Registration / Registracija

POSTERS: Participants will set up posters on Friday, September 27, 2013 at 8.00 a.m. Posters will be exposed till Saturday, September 28, 2013 at 7.00 p.m. Each poster will have an allocated space labelled with a number / **POSTERI:** Sudionici će svoje postere postaviti u petak, 27. rujna u 8.00 sati i bit će izloženi do subote 28. rujna u 19.00 sati. Svaki poster imat će unaprijed određeno i brojem označeno mjesto.

9.00-9.45 Opening ceremony / Otvorenje

10.00-10.30 Plenary lecture 1 / Plenarno predavanje 1

Alma Kumbaric

Phytoiconography: a way to communicate through images of plants. Some examples from Roman archaeology

10.30-11.30 Lecture series 1: Fungi and lichenes / Sekcija: Gljive i lišaji

Marin Ježić, Igor Poljak, Ljiljana Krstin, Marilena Idžojtić, Zlatko Liber, Mirna Ćurković-Perica

Chestnut blight disease threatens Lovran marron despite the presence of hypovirulent strains of the fungus *Cryphonectria parasitica* (Murrill) Barr

Željko Zgrablić, Danko Diminić

Abundance, biomass and phenology of genus *Suillus* in Austrian pine (*Pinus nigra*) stands in Istria, Croatia – preliminary results

Dragan Prlić

Lichen flora of the Slatina district

Edin Brigić

Lichens as bioindicators of air quality in Tuzla

Siniša Ozimec

Lichen flora of the Una National Park and the Blidinje Nature Park (Bosnia and Herzegovina)

11.30-12.00 Coffee break / Stanka za kavu

12.00-13.00 Lecture series 2: Palinology, plants and health / Sekcija: Palinologija, biljke i zdravlje

Božena Mitić, Kroata Hazler Pilepić, Heidemarie Halbritter, Renata Šoštarić, Dario Hruševar, Toni Nikolić

Pollen morphology and its taxonomical implications – case studies on the genera *Iris* L. (Iridaceae) and *Hypericum* L. (Hypericaceae)

Tomislav Hudina, Božena Mitić, Ivana Hrga, Barbara Stjepanović, Dario Lasić, Ivan Nemet, Sanda Rončević

Determination of botanical and geographical origin of honeys from continental part of Croatia

Danijela Peroš-Pucar, Anita Ivandić, Benito Pucar, Ivan Ivić, Božena Mitić

An aerobiological study of allergenic pollen dynamics in the city of Zadar (North Dalmatia, Croatia): interaction with air pollutants

Anita Vucić, Danijela Peroš-Pucar, Božena Mitić, Ivana Hrga, Tatjana Puljak, Mirna Mamić, Benito Pucar

Olea pollen in the atmosphere of Zadar (Croatia) 2007-2009

Dubravka Dujmović Purgar, Ivanka Žutić, Gabrijela Vrbetić

The medicinal and poisonous plants of Plešivica hills (NW Croatia)

13.00-14.00 Lunch / Ručak

14.00-15.00 Poster presentations / Izlaganje postera

15.00 – Annual Council Meeting of the Federation of European Phycological Societies (FEPS) (Room 2)

15.00-16.30 Lecture series 3: Taxonomy and phylogeography 1 / Sekcija: Taksonomija i filogeografija 1

Božo Frajman, Peter Schönswetter

Phylogenetic evidence for amphi-Adriatic connections in flowering plants

Tamara Kirin, Sandro Bogdanović, Roberta Piredda, Marco Cosimo Simeone, Bartolomeo Schirone

Genetic relationships within the endemic *Asperula* L. of the “Paleomediterraneae” group (Rubiaceae) from the Mediterranean area

Gergely Király, Bohumil Travníček, Vojtech Žila

Modern *Rubus* taxonomy and major tasks to explore the bramble flora of Croatia and Slovenia

Jared D. Lockwood, Jelena Aleksić, Jiabin Zou, Jiang Wang, Jianquan Liu, Susanne S. Renner

Resolving a recalcitrant Northern Hemisphere radiation with plastid, mitochondrial, and nuclear data: A new spruce tree and its biogeographic implications

Guilhem Mansion, Federico Luebert, Camilla Mazzoni, Norbert Kilian, Ludo Muller

Inferring the origin and diversification of a recent polyploid complex (*Campanula rotundifolia*) using sequenced RAD markers - A project overview

Ivana Janković, Nevena Kuzmanović, Dmtar Lakušić

An insight into the morphological variability of the Balkan paleo-endemic species *Campanula secundiflora* Vis. & Pančić (Campanulaceae) inferred from traditional and geometric morphometrics

Ivan Radosavljević, Jelena M. Aleksić, Danijela Greguraš, Radiša B. Jančić, Dmtar Lakušić, Danilo L. Stojanović, Zlatko Šatović, Zlatko Liber

Genetic diversity and phylogeography of common sage (*Salvia officinalis* L.)

Gülnur Ekşi, Mehmet Koyuncu

A morphological study on the endemic species of the *Allium* L. (Sect. *Allium*) in Turkey

16.30-17.00 Coffee break / Stanka za kavu

17.00-19.10 Lecture series 4: Plant physiology and molecular biology, Taxonomy and phylogeography 2 / Sekcija: Biljna fiziologija i molekularna biologija, Taksonomija i filogeografija 2

Jelena Mlinarec, Višnja Besendorfer

Plant LTR-retrotransposons: a structural and cytogenetic perspective

Gabriela Vuletin Selak, Smiljana Goreta Ban, Slavko Perica
Određivanje reproduktivne kompatibilnosti između sorti maslina (*Olea europaea* L.) praćenjem rasta i razvoja peludnih mješnica u cvijetu

Ivana Rešetnik, Božo Frajman, Sandro Bogdanović, Peter Schönswetter
The genus *Knautia* (Dipsacaceae) – insights into polyploid evolution, rapid radiation and extensive gene flow

Martina Temunović, Pierre R. Gérard, Julie Sannier, Paola Bertolino, Jean Dufour, N. Frascaria-Lacoste, J. F. Fernández-Manjarrés
Mechanisms of hybridization between closely related species: case study of the common ash (*Fraxinus excelsior* L.) and the narrow-leaved ash (*Fraxinus angustifolia* Vahl) in Europe

Boštjan Surina, Zlatko Liber
Ecology, niche assembly and genetic/epigenetic structure of *Campanula tommasiniana* (Campanulaceae), a narrow endemic of Mt. Učka (NE Adriatic, Liburnian karst)

Nevena Kuzmanović, Antun Alegro, Božo Frajman, Romeo Di Pietro, Peter Schönswetter, Dmtar Lakušić
Molecular study of *Sesleria autumnalis* species complex (Poaceae)

Sanja Đurović, Gordana Tomović, Vladimir Stevanović, Marjan Niketić
Phenotypic variability in *Silene* L. sect. *Saxifragoideae* Willk. populations from the Central Balkans and its taxonomic significance

Uroš Buzurović, Vladimir Stevanović, Marjan Niketić, Ksenija Jakovljević, Gordana Tomović
The variability of morphological characters in populations of *Goniolimon tataricum* (L.) Boiss. (Plumbaginaceae) from the Balkan Peninsula

Loretta Gratani, Francesco Sartori, Laura Varone, Mirko Umberto Granata, Rosangela Catoni
Leaf structure and photosynthetic properties to the intra canopy light gradient in the reserve “Siro Negri” (Italy): comparison among tree species

Laura Varone, Marcello Vitale, Rosangela Catoni, Loretta Gratani
Physiological responses of five Holm oak (*Quercus ilex* L.) ecotypes to seasonal climatic factor variation

Moreno Clementi
Type material in the *Herbarium Dalmaticum* in Padova

Vinicije B. Lupis, Nenad Jasprica
Book of Pietro Andrea Matthioli (1500-1577) *I Discorsidi M. Pietro Andrea Matthioli Sanese, Medico Cesareo ... Di Pedacio Dioscuride Anacarbeo della materia Medicinale* from the National Archives in Dubrovnik

20.00 Sight-seeing of the town Split / Razgledavanje grada Splita

SATURDAY, September 28, 2013 / SUBOTA, 28. rujna 2013.

8.00 – Registration / Registracija

9.00-9.30 Plenary lecture 2 / Plenarno predavanje 2

Burkhard Becker

Snow ball earth and the split of Streptophyta and Chlorophyta

9.30-11.00 Lecture series 5: Phycology / Sekcija: Algologija

Amerssa Tsirigoti, Eva Kariophili, M.M. Claire Gachon, Christos Katsaros

Investigations of cell wall composition and remodeling during infection of brown algae by the oomycete *Eurychasma dicksonii*

Jelena Blaženčić, †Živojin Blaženčić

Charophytes of the Baćina lakes and surrounding freshwater localities (Dalmatia, Croatia)

Aleksandra Vesić, Jelena Blaženčić, Jasmina Šinžar-Sekulić

Charophytes of standing waters in Vojvodina (Serbia)

Francisco Arenas

Climate change and marine invasions: will new environmental scenarios increase the performance of introduced species?

Ana Car, Andrzej Witkowski, Sławomir Dobosz, Nenad Jasprica

The seasonal dynamics of epiphytic diatoms of ‘killer’ seaweed *Caulerpa taxifolia* (Vahl) C. Agardh from the Bay of Stari Grad (the Island of Hvar)

Sunčica Bosak, Diana Sarno, Damir Viličić

Morphology and taxonomy of the planktonic diatom genus *Chaetoceros* Ehrenberg (Bacillariophyta) from the Adriatic Sea

Dorotea Polović, Zrinka Ljubešić, Daniela Marić Pfannkuchen, Jelena Godrijan, Martin Pfannkuchen, Damir Viličić

Molecular and morphological characterisation of potentially toxic diatom genus *Pseudo-nitzschia* in Nature Park „Telašćica“

Enis Hrustić, Svjetlana Bobanović-Ćolić

Assessment of the alkaline phosphatase share in biomass of picoplankton in South Adriatic

11.00-11.30 Coffee break / Stanka za kavu

11.30-13.00 Lecture series 6: Flora and biodiversity / Sekcija: Flora i bioraznolikost

Nejc Jogan, Tinka Bačič, Simona Strgulc Krajšek

Neobiota Sloveniae: vascular plants

Lenka Malíková
Adventitious sprouting in Croatian flora

Antun Alegro, Vedran Šegota, Beáta Papp
Bryophyte flora of Croatia – historical overview present need for research

Sanja Kovačić
Three years of the “Week of Croatian Botanical Gardens and Arboreta”

Slavko Brana
Distribution of *Moehringia tommasinii* Marches. (Caryophyllaceae) in Croatia

Aleksandra Kočić, Janja Horvatić, Sven D. Jelaska
Distribution and morphological variations of invasive macrophytes *Elodea nuttallii* (Planch.) H. St. John and *Elodea canadensis* Michx in Croatia

Nina Vuković, Marlena Filipas, Sven D. Jelaska
The overview of the invasive behaviour of black locust (*Robinia pseudoacacia* L.) in Croatia

Ana Kovačić, Sven D. Jelaska
Invasive flora of Maksimir park, Zagreb, Croatia

13.00-15.00 Lunch / Ručak

15.00-15.30 Plenary lecture 3 / Plenarno predavanje 3

Romeo Di Pietro
The vegetation science from an amphi-Adriatic point of view. Interesting connections and open syntaxonomical issues

15.30-17.00 Lecture series 7: Flora and biodiversity, Vegetation / Sekcija: Flora i bioraznolikost, Vegetacija

Antun Car
Plants on the painting „Our Lady“ by Croatian painter Mato Celestin Medović

Lado Kutnar, Klemen Eler
Does forest management support the plant species diversity in EU Natura 2000 forest habitats?

Simona Casavecchia, Edoardo Biondi
Mediterranean coastal vegetation of woods and maquis in the Adriatic basin

Ivica Ljubičić, Sandro Bogdanović
Plant diversity of significant landscape Gornji Kamenjak, Istria (Croatia)

Siniša Ozimec, Vlatko Rožac, Dragan Prlić
Review of the recent flora surveys in the Kopački rit Nature Park

Mara Vukojević, Ivana Vitasović Kosić

Vascular flora of the northern slopes of mountain Matokit rocky grasslands and arable land surrounding Vrgorac city

Andraž Čarni, Vado Matevski, Urban Šilc, Renata Čušterevska

Early spring ephemeral therophytic non-nitrophilous grasslands as a habitat of various species of *Romulea* in the southern Balkans

Irena Šapić, Dario Baričević, Joso Vukelić

Forest communities of black alder (*Alnus glutinosa* (L.) Gaertner) in the colline belt of central Croatia

17.00-17.30 Coffee break / Stanka za kavu

17.30-19.30 Lecture series 8: Vegetation and ecology, Conservation / Sekcija: Vegetacija i ekologija, Očuvanje

Krunoslav Sever, Željko Škvorc, Saša Bogdan, Daniel Krstonošić, Jozo Franjić

Influence of meteorological conditions on flushing and flowering of pedunculate oak (*Quercus robur* L.)

Milorad Vujičić, Snežana Milošević, Beáta Papp, Erzsebet Surdoki, Marko Sabovljević, Aneta Sabovljević

Does anioxydative system increase salt stress survival in facultative halophytic moss *Entosthodon hungaricus*?

Maja Sviličić, Sven D. Jelaska

Vegetation change analysis in Telašćica and Vransko jezero nature parks

Ana Đanić, Hrvoje Peternel, Marina Magajne, Oleg Antonić

Habitat mapping of Ornithological reserve Krapje dol (Nature park Lonjsko polje)

Ivana Vitasović Kosić, Federico Maria Tardella, Mihaela Britvec, Darko Grbeša, Andrea Catorci

Coenological research on Čićarija grasslands: change in floristic composition under different management regimes

Željka Modrić Surina, Marko Randić

First steps towards the active protection and restoration of an ombrotrophic mire in Trstenik (Liburnian karst, Croatia)

Svetlana Bancheva, Malina Delcheva

***In situ* and *ex situ* conservation of *Centaurea wagenitziana* Bancheva & Kit Tan (Asteraceae) in Bulgaria**

Marina Magajne, Ana Đanić, Mirna Mazija, Hrvoje Peternel, Dina Kovač, Elena Patčev, Sven Kapelj, Oleg Antonić

Mapping the physiognomic types of vegetation in determining the space use degree of bird and bat fauna while assessing the impact of wind power plants

Ana Đanić, Marina Magajne, Luka Škunca, Edin Lugić, Oleg Antić

Implementation problems of mitigation measures for the protection of plant species during construction projects

Anna Vojtkó, Judit Sonkoly, Attila Molnár V.

The reproductive success of three Orchid species in Hungary

Meri Rogošić

The challenges of management of protected areas in the Neretva River delta (South Croatia)

20.30 Symposium dinner / Svečana večera

Poster presentations / Posterska priopćenja

Phycology / Algologija

István Bácsi, Viktória B-Béres, Gábor Vasas, Zoltán Novák, Sándor Alex Nagy

Changes in composition of phytoplankton assemblages due to organic contaminants depending on the sensitivity of dominant species

Viktória B. Béres, Gábor Vasas, István Bácsi

Possible anticyanobacterial effects of *Cryptomonas ovata* (Cryptophyta) on *Microcystis aeruginosa* (Cyanobacteria)

Gábor Borics, Gábor Várбірó, Judit Görgényi

On the possible use of phytoplankton diversity metrics for shallow lake and potamal river quality assessment

Anita Dedić, Dubravka Hafner, Nenad Jasprica, Jasmina Kamberović

Algae on macrophytes in the oligotrophic wetland Hutovo Blato, Bosnia and Herzegovina

Judit Görgényi, Béla Tóthmérész, Gábor Várбірó, Gábor Borics

Species area relationship (SAR) for phytoplankton

István Grigorszky, Anđelka Plenković-Moraj, Marija Gligora Udovič, István Bácsi, Gábor Vasas, Alex Sándor Nagy, György Dévai, Gábor Várбірó, Gábor Borics, Éva Ács, Keve Tihamér Kiss

Unusual Dinophyta bloom in drinking water reservoir

Koraljka Kralj Borojević, Éva Ács, Marija Gligora Udovič, Petar Žutinić, Keve T. Kiss, Anđelka Plenković-Moraj

Application of benthic diatoms in water quality assessment according to the EU *Water Framework Directive* (WFD) in Croatian and Hungarian karstic watercourses

Dubravka Špoljarić, Filip Stević, Tanja Žuna Pfeiffer, Vanda Cvijanović, Melita Mihaljević
Long-term changes of phytoplankton in a Danubian floodplain

Filip Stević, Melita Mihaljević, Dubravka Špoljarić, Tanja Žuna Pfeiffer, Vanda Cvijanović
Spatial distribution of phytoplankton along a Danube floodplain system (Kopački Rit Nature Park)

Gábor Vasas, Oszkár Farkas, Gréta Hajdu, Sándor Gonda, Péter Parizsa

Variability of microcystins and its synthetase gene cluster in *Microcystis Lemmermann 1907* and *Planktothrix Anagnostidis et Komárek* water-blooms in shallow lakes of Hungary

Petar Žutinić, Anđelka Plenković-Moraj, Marija Gligora Udovič, Koraljka Kralj Borojević
Biocenotical structure of phytoplankton communities in deep karstic lakes (Plitvice Lakes NP)

Tanja Žuna Pfeiffer, Dubravka Špoljarić, Filip Stević, Melita Mihaljević
The response of periphytic algal assemblages to disturbances - field study in a temperate floodplain lake

Marijeta Čalić, Marina Carić, Iris Dupčić Radić, Jakica Njire
Does aquaculture have an impact on the distribution of phytoplankton in Mali Ston Bay?

Boris Antolić, Ante Žuljević, Vedran Nikolić
Taxonomic composition, depth distribution and phytogeographic characteristics of marine benthic macroflora in Split area (middle Adriatic, Croatia)

Iris Dupčić Radić, Enis Hrustić, Nenad Jasprica
Nutrient and chlorophyll *a* concentrations in the Bay of Neum (Bosnia and Herzegovina)

Dubravka Hafner, Nenad Jasprica, Ana Car
Taxonomic composition of benthic diatoms (Bacillariophyta) in the Bay of Neum (Bosnia and Herzegovina)

Nenad Jasprica, Ana Car, Dubravka Hafner
Phytoplankton in the Bay of Neum (Bosnia and Herzegovina)

Nikola Hanžek, Nikola Koletić
Staying algae – Every second breath you take comes from algae

Stijepo Ljubimir
Abundances of *Dictyocha fibula* Ehrenberg (silicoflagellates) during winters in the South Adriatic Pit

Nikola Malešević, Zrinka Ljubešić, Elvira Bura-Nakić, Marija Marguš, Irena Ciglencečki, Damir Viličić
Succession of phytoplankton in the extreme environment (Rogoznica Lake, eastern Adriatic coast)

Anna Maria Mannino, Valentina Vaglica, Elisabetta Oddo
Interspecific and temporal variation of total phenolic content in brown algae from southern Mediterranean Sea

Vedran Nikolić, Boris Antolić, Ante Žuljević, Marija Despalatović, Ivan Cvitković, Grozdan Kušpilić, Andrea Nikolić
Macroalgal communities as bioindicator of ecological status of coastal waters in the middle Adriatic Sea

Sanda Skejić, Ivica Vilibić, Slaven Jozić, Živana Ninčević Gladan, Ivona Marasović, Heliodor Prelesnik, Ana Jelačić
Long term observations of environmental characteristics and phytoplankton biomass in Mali Ston Bay (SE Adriatic)

Ante Žuljević, Boris Antolić, Vedran Nikolić
Massive reproduction of *Ulva* (Chlorophyta) species in Kaštela Bay

Nediljko Ževrnja, Boris Antolić, Dalibor Vladović

The analysis of the Giovanni Battista Sandrij's algae collection kept in the Natural History Museum in Split

Nediljko Ževrnja, Boris Antolić, Dalibor Vladović

The Analysis of Marija Selebam de Catani's algae collection from the Natural History Museum in Split

Nediljko Ževrnja, Boris Antolić, Dalibor Vladović

The analysis of the algae collection made by the bachelors of the Teacher training College in Split

Andelka Plenković-Moraj, Nenad Jasprica

Algology in Croatia: yesterday, today and tomorrow

Phytochemistry / Fitokemija

Ana Alimpić, Sonja Duletić-Laušević, Dušica Janošević, Snežana Budimir, Vlado Matevski, Petar D. Marin

***Salvia ringens* Sibth. & Sm. (Lamiaceae) stem: structure and antioxidant activity**

I. Blažević, F. Burčul, I. Generalić-Mekinić, M. Ozretić, M. Ruščić

Sinigrin, the main glucosinolate in *Peltaria alliacea* Jacq., an endemic plant of Brassicaceae

I. Blažević, F. Burčul, I. Generalić-Mekinić, M. Ozretić, M. Ruščić

Glucosinolates and its chemotaxonomic significance of *Diplotaxis erucooides* (L.) DC. (Brassicaceae)

I. Blažević, G. R. De Nicola, S. Montaut, P. Rollin, D. Stojanov, M. Ruščić

Glucosinolates in different plant parts from *Arabis turrita* L. (Brassicaceae)

Maja Crkvenčić, Kroatia Hazler Pilepić, Željko Maleš

Evaluation of phenolic content and antioxidant capacity of different plant parts in three *Globularia* sp.

Tanja Dodoš, Nemanja Rajčević, Milan Gavrilović, Pedja Janačković, Petar D. Marin

Antioxidant activity of *Satureja fukarekii* Šilić

Valerija Dunkić, Dario Kremer, Mirko Ruščić, Nada Bezić, Ivan Kosalec, Edith Stabentheiner

Micromorphological traits and essential oil contents of *Micromeria kernerii* Murb.

Milan Gavrilović, Jelica Novaković, Nemanja Rajčević, Ljubodrag Vujisić, Tanja Dodoš, Petar D. Marin, Pedja Janačković

Composition of fatty acids and *n* – alkanes of some *Amphoricarpus* Vis. species

Maida Hadžić, Anja Haverić, Sanin Haverić, Borivoj Galić

Antigenotoxic potential of plant flavonoids delphinidin and luteolin in cytokinesis-blocked human lymphocytes

Ksenija Mileski, Ana Džamić, Ana Ćirić, Vlado Matevski, Petar Marin
Antimicrobial activity of essential oil of *Ferulago macedonica* Micevski & Mayer

Jelica Novaković, Milan Gavrilović, Nemanja Rajčević, Marina Soković, Ljubodrag Vujisić, Abdulhmid Giweli, Petar D. Marin, Pedja Janačković
Composition and antimicrobial activity of essential oil of *Artemisia arborescens* L. grown in Libya

Olivera Politeo, Ivana Carev, Franko Burčul, Mirko Ruščić, Mladen Miloš
***Campanula portenschlagiana* Roem et Schult.: chemical and biological profile of volatile fractions**

Plant physiology and molecular biology / Biljna fiziologija i molekularna biologija

Jasmina Čakar, Anja Haverić, Sanin Haverić, Adisa Parić
Cytotoxic and genotoxic activity of *Helleborus multifidus* Vis.

Tijana Cvetić Antić, Dragoljub Dimitrijević, Željko Vučinić
Spinach leaf plasma membrane and chloroplast envelope redox activities

A. Duraković, F. Pustahija, Erna Karalija, Adisa Parić, Edin Selimović, Nedžad Bašić
Peroxidase activity in black and gray alder (*Alnus glutinosa* (L.) Gaertn. and *A. incana* (L.) Moench) and their hybrid (*A. x pubescens* Tausch.)

Bekim Gashi, Kasamedin Abdullai, Fadil Millaku, Efigjeni Kongjika
Characterization of bio-morphological, physiological and *ex situ* germplasm conservation of plants of the genus *Ramonda* from Kosovo, Albania and Macedonia

Erna Karalija, Jasmina Čakar, Adisa Parić, Dolores Neimarlija
The effect of the plant growth regulators on antimicrobial and antioxidative properties in basil (*Ocimum basilicum* L.)

Adisa Parić, Erna Karalija, Jasmina Čakar, Dolores Neimarlija
Photosynthetic content and total phenolics in *Mentha piperita* L. shoot cultures

M. Prokopijević, O. Prodanović, D. Spasojević, Ž. Stojanović, K. Radotić, E. Marinković, R. Prodanović
Different immobilization methods of soybean hull peroxidase on macroporous glycidyl methacrylate copolymers

Milan S. Stanković, Marina Topuzović, Biljana M. Bojović, Vuk Maksimović
***Teucrium* species as natural sources of chlorogenic acid**

Milan S. Stanković
Inter-population variability in secondary metabolites content of *Teucrium polium* L. from the localities in the Balkan Peninsula

Milan S. Stanković, Mila Jukić, Franko Burčul, Mladen Miloš, Olivera Politeo, Ivana Carev
Biological effects of wall germander (*Teucrium chamaedrys* L.) secondary metabolites

Sandra Vitko, Marina Čičak, Marina Hren, Ivona Matković, Mirta Tkalec
Effects of black walnut (*Juglans nigra* L.) pericarp extract on different plant species

Valerija Vujčić, Sandra Radić Brkanac, Želimira Filić, Branka Pevalek-Kozlina
Effects of osmotic stress on plant species *Fibigia triquetra* (DC.) Boiss.

Flora and biodiversity / Flora i bioraznolikost

Igor Boršić, Dario Hruševar, Vida Posavec-Vukelić
Vascular flora of proposed significant landscape “Olive groves of Lun” (island of Pag)

Ana Brkljačić
Contribution to the knowledge of vascular flora of Middle Velebit – Lisac locality

Petra Škuljević, Suzana Buzjak, Nenad Buzjak
Microclimate and floristic characteristics of collapsed doline and Samograd cave near Perušić (Lika region, Croatia)

Nebojša Jeričević, Mirjana Jeričević
Contribution to a better knowledge of plant chorology in Croatia based on the floristic research of the island of Korčula and the Pelješac Peninsula

Gergely Király, Attila Mesterházy
New floristic data on the flora of Croatia and Slovenia

Tiziana Lombardi, Andrea Bertacchi
Halophilous flora and vegetation of Migliarino, S. Rossore, Massaciuccoli Regional Park (Northern Tuscany-Italy)

N. Kletečki, E. Kletečki, T. Blažev, D. Klasić
Invasive flora of the Krapina river basin and Bedekovčanska jezera lakes

Fadil Millaku, Elez Krasniqi, Bekim Gashi, Naim Berisha, Isa Elezaj
New plant species of the Republic of Kosovo and their conservation status

Darko Mihelj, Sanja Kovačić, Dubravka Sandev, Jože Bavcon
New localities of striped crocus (*Crocus reticulatus* Steven ex Adams) in Slovenia and Croatia

Anna Scoppola, Sara Magrini
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