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FORS²D

FORESTRY SCIENCE FOR SUSTAINABLE DEVELOPMENT

BOOK OF ABSTRACTS

**"Perspectives of forestry and related sectors
as drivers of sustainable development in the post-Covid era"**

**Banja Luka, the Republic of Srpska / Bosnia and Herzegovina
29–30 September 2022**

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"Perspectives of forestry and related sectors as drivers of sustainable development in the post-Covid era"

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Foreword

Dear participants and friends,

The International Scientific Conference "**Forestry science for sustainable development FORS²D – Perspectives of forestry and related sectors as drivers of sustainable development in the post-Covid era – FORS²D**" in Banja Luka is held on the occasion of important Jubilee (30 years) of the Faculty of Forestry, University of Banja Luka, and 30 years of PFE "Šume Republike Srpske" a.d. Sokolac, in cooperation with FAO (*United Nations Food and Agriculture Organization*). Considering global changes that we are facing, the importance of forests cannot be underestimated. We depend on forests for our survival, from the air we breathe to the wood we use, but without education and scientific research we cannot promise sustainable development or sustainable forestry. Besides basic functions of forests needed for humans, forests also offer climate change mitigation, watershed protection, prevent soil erosion and torrential floods that we are frequently facing in recent decades. Unfortunately, despite our dependence on forests, we are still allowing them to disappear.

This Conference will give an opportunity for participants to address important issues related to forestry, exchange recent research, knowledge and experiences in forestry and related fields, to establish functional international cooperation among institutions, to improve cooperation between forestry science and practice and finally to forestry as important sector for human well-being at local, national and global level.

The Conference is organized in nine sessions along different themes. Together there are five plenary lectures, 64 oral presentations and 64 poster contributions, with more than 120 participants.

As announced, authors, the reviewed and accepted papers are going to be published in the Bulletin of the Faculty of Forestry, University of Banja Luka (<http://glasnik.sf.unibl.org>).

We wish you a very successful Conference and pleasant stay in Banja Luka.

Chair of the Organization Committee
Marijana Kapovic Solomun

Predgovor

Dragi učesnici i prijatelji,

Međunarodna naučna konferencija „Šumarska nauka za održivi razvoj FORS²D – Perspektive šumarstva i povezanih sektora kao pokretača održivog razvoja u post-kovid eri – FORS²D” se održava u Banjoj Luci povodom značajnog jubileja (30 godina) Šumarskog fakulteta Univerziteta u Banjoj Luci i 30 godina JPŠ “Šume Republike Srpske” a.d. Sokolac, u saradnji sa FAO (Organizacija Ujedinjenih nacija za hranu i poljoprivredu). Imajući u vidu globalne promjene kojima se suočavamo, značaj šuma mora biti posebno istaknut. Opstanak čovječanstva zavisi od šuma od vazduha koji udišemo do drveta koje koristimo kao materijal, ali bez obrazovanja i naučnog istraživanja ne možemo obećati održivi razvoj ili održivo šumarstvo. Pored osnovnih funkcija šuma potrebnih čoveku, šume takođe nude ublažavanje klimatskih promjena, zaštitu riječnih slivova, sprječavanje erozije zemljišta i bujičnih poplava sa kojima se često suočavamo poslednjih decenija. Nažalost, uprkos činjenici da zavisimo od šumskih ekosistema, mi i dalje dozvoljavamo da one nestaju.

Ova Konferencija će pružiti priliku učesnicima da se pozabave važnim pitanjima vezano za šumarstvo, razmijene novija istraživanja, znanja i iskustva u šumarstvu i srodnim oblastima, da uspostave funkcionalnu međunarodnu saradnju među institucijama, da unaprijede saradnju šumarske nauke i struke i konačno da istaknu šumarstvo kao važan sektor za ljudsko blagostanje na lokalnom, nacionalnom i globalnom nivou.

Konferencija je organizovana u devet sesija na različite teme. Učesnicima će se obratiti pet eminentnih plenarnih predavača, 64 usmenih izlaganja i 64 poster priloga, sa više preko 120 učesnika. Kako je najavljeno, recenzirani i prihvaćeni radovi biće objavljeni u Glasniku Šumarskog fakulteta Univerziteta u Banjoj Luci (<http://glasnik.sf.unibl.org>).

Želimo Vam uspješnu Konferenciju i ugodan boravak u Banja Luci.

Predsjednica Organizacionog odbora

Marijana Kapović Solomun

THEMATIC AREAS

1. Forest and sustainable development in light of climate change
2. Nature-based solutions
3. Let's green, be seen
4. A modern and competitive forestry sector
5. Innovative value chains and sociological aspects in forestry and related sectors

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TABLE OF CONTENTS

PLENARY LECTURES

- **Ioan Vasile Abrudan**
Nowadays forestry in Europe: its challenges and its public perception 27
- **Jurij Diaci, Zoran Govedar, Ćemal Višnjić**
Future of close-to-nature silviculture in Bosnia and Herzegovina and Slovenia .. 28
- **Rattan Lal**
Soil Carbon Sequestration for Food and Climate Security and Advancing Sustainable Development Goals of the United Nation 29
- **Mihal Marek**
Climate change is a reality affecting Forest vitality and productivity 30
- **Bernhard Wolfslehner, Dragan Ćomić**
Current developments in sustainable forest management policy 31

THEMATIC AREA 1: FOREST AND SUSTAINABLE DEVELOPMENT IN LIGHT OF CLIMATE CHANGE

ORAL PRESENTATIONS

- **Tomaž Adamič, Jurij Diaci, Dušan Roženberger, Gal Fidej**
Success of transplanting seedlings (wildlings) within gaps in high mountain spruce dominated stands on acidic soils 35
- **Srđan Bilić, Zoran Govedar, Vojislav Dukić, Danijela Petrović, Srđan Keren**
Application of structural indices for the analysis of the spatial structure of the old-growth beech forest 36
- **Egor Dmitriev, Sergey Zotov, Aleksandra Bazarova, Petr Melnik**
Assessment of species structure of mixed forests of central Russia based on joint processing of medium- and high-resolution satellite images 37
- **Đorđe Dubovac, Slobodan Milanović**
Impact of topographic, land cover and anthropogenic features on the forest fire occurrence and burnt area in Central Serbia 38
- **Blaž Fricelj, Jurij Diaci, Gal Fidej, Tim Pirc, Dušan Roženberger**
Assessing the success of natural regeneration and artificial reforestation using verifiable criteria 39
- **Ildar Gabdrakhmanov, Anna Petrovskaia, Mikhail Gasanov, Ivan Oseledets**
Machine learning methods for forest taxation supported with feature importance analysis 40

- **Milka Glavendekić, Vesna Golubović Ćurguz, Uroš Jakovljević**
The most important Pests and Pathogens of woody Plants in the Arboretum of the Faculty of Forestry, University of Belgrade 41
- **Zoran Govedar, Milan Medarević, Srđan Bilić, Dragan Romčević**
Structural characteristics and functional use of spruce seed stand „Vršak-Uvala“ 42
- **Jasna Grabić, Bojan Tubić, Pavel Benka, Gabriela Costea, Zorica Srđević, Barbara Stammel, Marko Marinković**
Assessment of provisioning ecosystem service by IDES approach: case study of forests for timber/firewood production potential in Koviljsko-Petrovaradinski Rit, Serbia 43
- **Srdjan Keren, Wojciech Ochał, Vojislav Dukić**
Small-scale spatial variability of stand structural features under active and passive forest management approaches 44
- **Bratislav Kisin, Zvonimir Baković**
Sustainable Forest Management on the Example of SE “Srbijašume” 45
- **Jelena Kolić, Renata Pernar, Matija Magdić, Mateo Perković, Ante Seletković, Mario Ančić**
Detection and monitoring of damage on the oak and ash stands by remote sensing methods 46
- **Alexander Krenke, Robert Sandlerkiy, Michail Puzachenko**
Forest ecosystem services and climate projects – planning opportunities using remote sensing 47
- **Slobodan Milanović, Zoran Trailović, Slađan Milanović, Eduard Hochbichler**
Forest fire probability modeling and mapping by machine learning method in Lower and Upper Austria 48
- **Lazaro E. Nnko, Japhet J. Kashaigili, Pantaleo K.T. Munishi, Nyemo Chilagane, Paul J. Lyimo**
Agroforestry and its Adoption in Kilombero Cluster of Sagcot, Tanzania 49
- **Mladen Ognjenović, Ivan Seletković, Nenad Potočić, Mia Marušić, Melita Perčec Tadić, Mathieu Jonard, Pasi Rautio, Volkmar Timmermann, Lucija Lovreškov, Damir Ugarković**
Defoliation change of European beech (*Fagus sylvatica* L.) depends on previous year drought 50
- **Michał Orzechowski**
Forests with a leading social function in Poland: an effective solution or an increased risk in terms of climate change? 51
- **Viktor Rácz, Gabriella Szajkó, László Paizs, András Kis**
Price signals could deliver much more carbon sinking by the Hungarian forest sector 52
- **Keith M. Reynolds, Milena Lakićević**
Ecosystem Management Decision Support System in Forestry 53
- **Evgeny Shvarts, Anastasia Baybar, Natalya Zholnerovich**
Private forestry on agricultural land as a tool for reforming the Russian forest sector? 54

- **Hamidreza Solaymani Osbooei**
Tree plantation to mitigate climate change, using new technologies and innovative approaches 55
- **Marko Stojanović, Justyna Szatniewska, Ina Zavadilová, Natalia Kowalska, John D. Marshall, Jan Krejza, Petr Horáček, Michal V. Marek**
Preliminary results on stem carbon allocation in mixed floodplain forest 56
- **Krunoslav Teslak, Karlo Beljan, Marijana Andabaka, Andrea Mertini, Ernest Goršić, Jura Čavlović**
Radial growth response of ice storm damaged Silver fir and European beech trees in the Croatian region Gorski Kotar 57

POSTER PRESENTATIONS

- **Janko Arsić, Jan Krejza, Michal V. Marek, Petr Horáček, Jiří Kučera, Marko Stojanović**
Growth response and sap flow of *Picea abies* (L.) Karst. seedlings to elevated CO₂ concentration 58
- **Dragan Borota, Damjan Pantić**
Possibility of application of aerial photogrammetry in the inventory of poplar plantations 59
- **Ljiljana Brašanac-Bosanac, Tatjana Ćirković-Mitrović, Nevena Cule, Goran Češljar**
Climate change and adaptation of forest ecosystems in Serbia 60
- **Vojislav Dukić, Srđan Bilić, Branko Stajić, Srđan Keren, Goran Jović, Zoran Maunaga**
Analysis state and forest management of uneven-aged stands in Bosnia and Herzegovina: A case study from the area of Mount Borja 61
- **Saša Eremija, Goran Češljar, Ilija Đorđević, Snežana Stajić, Suzana Mitrović, Tatjana Ćirković-Mitrović, Ljiljana Brašanac-Bosanac**
Application of lysimeters in soil solution monitoring in forest ecosystems in Serbia 62
- **Zoran Galić, Alen Kiš, Radenko Ponjarac, Miljan Samardžić, Velisav Karaklić, Zoran Novčić**
Soil carbon content in forest management unit Mužljanski rit 63
- **Vladislava Galović, Dejan B. Stojanović, Saša Orlović**
Development of new technologies to select woody plant species for cultivation in the climate change conditions 64
- **Maria Glushkova, Miglena Zhiyanski, Rositsa Yaneva**
Mapping of selected climate regulation ecosystem services in protected areas in Pirin Mt. 65
- **Marko Kebert, Saša Kostić, Martina Zorić, Milica Zlatković, Vanja Vuksanović, Saša Orlović**
Ectomycorrhizal fungi modulate oak's biochemical response against powdery mildew 66
- **Rajko Kecman, Zoran Govedar, Srđan Bilić**
Silvicultural characteristics of high sessile oak forests after wind storm in the area of FMU "Crni Vrh" 67

- **Lazar Kesić, Srđan Stojnić, Erna Vaštag, Martina Zorić, Velisav Karaklić, Saša Orlović**
 Physiological performances of tree species in the urban area of Belgrade, Serbia under extreme drought 68
- **Saša Kostić, Saša Orlović, Marko Kebert, Martina Zorić, Lazar Kesić, Dejan B. Stojanović**
 Dendrochemistry and Dendrobiochemistry: A stable isotopes, xenobiotics, and metabolic-related products as a valuable tool for temporal environmental reconstruction 69
- **Nikola Martać, Branko Kanjevac, Vlado Čokeša, Branka Pavlović**
 Analysis of the state of beech forests from the planning aspect in the area of the management unit "Veliki Jastrebac Prokupački" in southern Serbia 70
- **Nikola Martać, Branko Kanjevac, Danilo Furtula, Snežana Stajić**
 Structural characteristics of mixed sessile oak and Turkey oak forests on Bukulja mountain in central Serbia 71
- **Biljana Šljukić, Milan Medarević, Snežana Obradović, Nenad Petrović, Aleksandar Popović, Srđan Simović**
 Measures of Adaptive Forest Management in a Changing Environment - Kopaonik National Park Case Study 72
- **Snežana Stajić, Vlado Čokeša, Saša Eremija, Zoran Miletić, Ljubinko Rakonjac, Nikola Martać**
 Changed floristic composition and plant diversity due to the substitution of coniferous cultures for Hungarian oak-Turkey oak forests (*Quercetum frainetto-cerridis* Rudski 1949.) 73
- **Zoran Stanivuković, Dragan Karadžić, Ranko Vasiljević**
 Research of the occurrence and intensity of attacks of the oak lace bug (*Corythucha arcuata* Say.) at the territory of the Republic of Srpska 74
- **Tatiana Stankova, Ulises Diéguez-Aranda, Angel Ferezliev, César Perez-Cruzado, Proletka Dimitrova, Dimitar N. Dimitrov, Miguel Ángel González-Rodríguez, Marin Minchev, Borislav Chinkov, Penka Stefanova**
 Productivity-environment models for Scots pine plantations at the margins of the species range in Europe 75
- **Katarzyna Szyg, Roman Wójcik, Wojciech Kędziora**
 Impact of climate change on forest management: Białowieża Primeval Forest Case Study 76
- **Krunoslav Teslak, Karlo Beljan, Marijana Andabaka, Toni Spitz, Šimun Špoljarić, Jura Čavlović**
 Tree slenderness coefficients and wind resistance for the main species of sessile oak forests in the Croatian Pannonian Mountains 77
- **Robert Tomusiak, Rafał Wojtan, Wojciech Kędziora**
 Climate signal in tree rings of Scots pine (*Pinus sylvestris* L.) and black pine (*Pinus nigra* Arn.) growing on the coastal dunes on Baltic coast 78
- **Verica Vasić, Saša Orlović, Leopold Poljaković Pajnik**
 FCS Pesticides Policy in Certified Forests 79

- **Ranko Vasiljević, Zoran Stanivuković**
The most important causes of spruce (*Picea abies* Karst.) dieback in Kotor Varos . 80
- **Aleksandar Vemić, Zlatan Radulović**
Evaluation of non-chemical protection strategies against *Didymascella thujina* on northern white cedar (*Thuja occidentalis*) seedlings 81
- **Vanja Vuksanović, Marko Kebert, Branislav Kovačević, Vladislava Galović, Lazar Pavlović, Lazar Kesić, Saša Orlović**
Nickel induced modulation of polars' biochemical response 82

THEMATIC AREA 2: NATURE BASED SOLUTIONS

ORAL PRESENTATIONS

- **Jugoslav Brujić, Zoran Stanivuković**
Vegetation and microclimate characteristics in the area of Crni vrh on Grmec Mt. 85
- **Andraž Čarni, Špela Čonč, Aljaž Jakob, Mateja Breg Valjevec**
Turnover of plant species along slopes reflected in plant traits and landform vegetation units in dolines on Kras Plateau (SW Slovenia) 86
- **Toby Czarny**
Traditional Ecological Knowledge in the Forestry Sector: A Critical Analysis of Current Trends and Future Prospects 87
- **Nada Dragović, Mirjana Todosijević, Tijana Vulević, Katarina Lazarević**
Soil erosion and torrential flood protection: education and practice in forestry .. 88
- **Carla S.S. Ferreira, Marijana Kapović Solomun, Milica Kasanin-Grubin, Zahra Kalantari**
The role of forests on runoff regulation in Mediterranean urban areas 89
- **Adnan Hodžić, Muhamed Bajrić, Marijana Kapović Solomun**
Legal and institutional tools in the field of land degradation in the Federation of Bosnia and Herzegovina 90
- **Emira Hukić, Primož Simončič, Mirel Subašić, Tomislav Tosti, Svetlana Đogo-Mračević, Snežana Štrbac, Sanja Stojadinović, Milica Kašanin-Grubin**
Importance of drying and re-wetting events on soil ion leaching in acidic and calcareous soils 91
- **Milica Ilić, Zorica Srđević, Pavel Benka, Bojan Srđević**
Changes in the floodplain capacity to provide ecosystem services: an assessment based on expert evaluation and land-cover 92
- **Marijana Kapović Solomun, Ratko Ristić, Ilija Čigoja, Boris Radić, Siniša Polovina, Vukašin Milčanović**
Legislative framework and achievement of land degradation neutrality targets in western Balkans developing countries 93

- **Đorđije Milanović, Vladimir Stupar**
Ecological-vegetation analysis of forest types with Serbian spruce (*Picea omorika* (Pančić) Purkyne) in Bosnia and Herzegovina 94
- **Ratko Ristić, Ivan Malušević, Siniša Polovina, Vukašin Milčanović**
Public interest, sustainable development and environmental protection 95
- **Vukašin Rončević, Nikola Živanović, Milica Kašanin-Grubin, Carla Ferreira, Gorica Veselinović, Nevena Antić, Snežana Štrbac**
Influence of the soil properties on the sessile oak stands (*Quercus petraea*) 96
- **Vladimir Stupar, Đorđije Milanović**
Vegetation of Bosnia and Herzegovina: Phytosociological classification at the alliance level 97
- **Dženana Tatlić, Sanela Klarić, Muhamed Bajrić, Emira Hukić**
The urban green space provision using the standards approach: State and potential for urban plans of Sarajevo 98
- **Vladimir Vasić, Gordana Jančić**
Management of protected areas in Serbia with special reference to SE "Srbijašume" 99
- **Milorad Veselinović, Saša Eremija, Suzana Mitrović**
Biological reclamation of deposols as the most ecologically acceptable way of revitalization of disturbed areas caused by exploitation in coal open mines 100
- **Filip Vujović, Milan Stojanović**
Application of NDVI derived from Landsat 8 in monitoring changes in vegetation cover after fire activities on Garač mountain (Montenegro) 101
- **Nikola Živanović, Milica Kašanin-Grubin, Carla Ferreira, Vukašin Rončević, Gorica Veselinović, Nevena Antić, Snežana Štrbac**
Increase of urban forests sustainability by assessing landscape sensitivity 102

POSTER PRESENTATIONS

- **Nevena Antić, Gorica Veselinović, Sanja Stojadinović, Nikola Živanović, Vukašin Rončević, Snežana Štrbac, Milica Kašanin-Grubin**
Belgrade's urban green areas current soil state and its way to sustainability ... 104
- **Aleksandar Baumgertel, Sara Lukić, Atila Bezdán, Boško Blagojević, Milica Čaković, Predrag Miljković, Aleksandra Prvulović**
Assessment of carbon storage in fled shelterbelts in the area of Pančevo (Serbia) using remotely sensed vegetation indices 105
- **Jugoslav Brujić**
Field lessons of Phytocenology at the Faculty of Forestry in Banja Luka 106
- **Ilija Čigoja, Marijana Kapović Solomun**
Influence of forest mechanization on land degradation in "Mrkonjičko" forest management area 107
- **Ljiljana Došenović, Tanja Trkulja, Dragoslav Savanović**
Improving the recreational function of urban forests through urban regulation and landscape design: a case study of the area of the park forest Trapisti in Banjaluka 108

- **Zorana Hrkić Ilić, Nada Šumatić, Marijana Kapović Solomun**
Variability of *Platanus × acerifolia* (Aiton) Willd. leaves under the heterogeneous urban environments of Banja Luka and Trebinje 109
- **Marijana Kapović Solomun, Zorana Hrkić Ilić, Zahra Kalantari, Ratko Ristić, Nada Šumatić, Omid Rahmati, Carla Ferreira**
Phytoremediation by trees as a nature-based solution for mitigating metal contamination in urban soils 110
- **Milica Kašanin-Grubin, Emira Hukić, Sanja Stojadinović, Gorica Veselinović, Nikola Živanović, Vukašin Rončević, Snežana Štrbac**
Origin and spatial distribution of heavy metals in mountain beech forests soils across Europe 111
- **Biljana Kuridža, Dragan Koljanin, Jugoslav Brujić**
Phytocenological analysis of fir dominated forest (*Abies alba* Mill.) on silicate substrate in Sitnica (northwestern Bosnia and Herzegovina) 112
- **Janko Ljubičić, Olivera Košanin, Rade Cvjetičanin, Milan Knežević**
Soil characteristics and types of forest sites in the "Zaštićene šume" management unit 113
- **Lazar Pavlović, Ksenija Hiel, Emina Mladenović, Milena Lakićević, Vanja Vuksanović, Olivera Kalozi, Saša Orlović**
Green architecture as one of the principles of greening urban areas in Novi Sad, Serbia 114
- **Sara Potkonjak, Vladimir Stupar**
Vegetation of protected area "Protected habitat Gostilj" in the Republic of Srpska (Bosnia and Herzegovina) 115
- **Sanja Stojadinović, Snežana Štrbac, Nikola Živanović, Vukašin Rončević, Gorica Veselinović, Nevena Antić, Milica Kašanin-Grubin**
Polycyclic aromatic hydrocarbons in European mountain beech forest soils 116
- **Snežana Štrbac, Mira Pucarević, Nataša Stojić, Željko Mihaljev, Gorica Veselinović, Sanja Stojadinović, Milica Kašanin-Grubin**
Determination of the impact of parent material on elemental composition, activities of radionuclides, and site productivity in European mountain beech forests 117
- **Tomislav Tosti, Snežana Štrbac, Sanja Stojadinović, Nikola Živanović, Vukašin Rončević, Milica Kašanin-Grubin, Gorica Veselinović**
Soil characteristics as criteria for "Smartness" for the European Mountain Forests 118
- **Gorica Veselinović, Milica Kašanin-Grubin, Ana Radoičić, Sanja Stojadinović, Nevena Antić, Carla Ferreira, Snežana Štrbac**
Improvement of the management of protected areas in Serbia to achieve the goals of sustainable development 119

THEMATIC AREA 3: LET'S GREEN, BE SEEN

ORAL PRESENTATIONS

- **Dalibor Ballian, Mirzeta Memišević Hodžić**
25 years of research on the variability of silver fir (*Abies alba* Mill.) in Bosnia and Herzegovina 123
- **Branislav Cvjetković, Milan Mataruga, Vanja Daničić**
A new model for calculating planting density in establishing planted forests ... 124
- **Vanja Daničić, Milan Mataruga, Branislav Cvjetković, Vojislav Trkulja, Jelena Mihić Salapura, Jelena M. Aleksić**
Genetic diversity of Serbian spruce populations from Bosnia and Herzegovina 125
- **Martina Đodan, Damir Drvodelić, Darjan Prugovečki, Sanja Perić**
Analysis of Forest Planting Material Production in Croatian Nurseries During 2021 ..
..... 126
- **Damir Drvodelić, Milan Oršanić, Darko Bakšić, Ivan Perković, Martina Đodan, Martina Jeren Šašek**
Quality of container seedlings of Pedunculate oak (*Quercus robur* L.) of different ages 127
- **Damir Drvodelić**
Selection of genotypes of Service tree (*Sorbus domestica* L.) with regard to seed quality 128
- **Milan Mataruga, Jugoslav Brujić, Vanja Daničić, Branislav Cvjetković**
Eco - indices as a tool in the selection of species for afforestation – case study Republic of Srpska (BiH) 129
- **Marin Minchev, Lora Kirova, Svetoslav Anev, Tatiana Stankova**
Survival and juvenile-age performance of *Salicaceae* clones for biomass 130
- **Suzana Mitrović, Saša Eremija, Nevena Čule**
Potential of areas degraded by surface coal mining for biomass production ... 131
- **Krunoslav Sever, Antonia Vukmirović, Marko Bačurin, Željko Škvorc, Ida Katičić Bogdan, Daniel Krstonošić, Tomislav Karažija, Saša Bogdan**
Spring and autumn leaf phenology of common beech and sessile oak provenances in relation to different soil phosphorus concentration 132

POSTER PRESENTATIONS

- **Marko Bačurin, Ivica Čehulić, Ida Katičić Bogdan, Saša Bogdan**
The effects of drought at various times of the growing season on height growth and leaf senescence of a goat willow clone 133
- **Vanja Daničić, Vladan Popović**
Morphometric analyses of the acorn variation within *Quercus petraea* (Matt.) Liebl. in the Bosnia and Herzegovina and Serbia 134

- **Jovana Devetaković, Vladan Ivetić, Marina Nonić, Dušan Jokanović, Ivona Kerkez Janković, Mirjana Šijačić-Nikolić & Dragica Vilotić**
Potential of new biodegradable container for forest seedlings production 135
- **Zorana Hrkić Ilić, Jadranka Luković, Milan Borišev, Lana Zorić**
The assessment of root anatomical characteristics of *Salix* spp. in the prediction of the most suitable clones for dendroremediation 136
- **Marija Marković, Dragana Skočajić, Danijela Djunisijević-Bojović, Marijana Milutinović**
Generative propagation of *Liquidambar styraciflua* L. elite genotypes adapted to urban conditions in Belgrade 137
- **Marija Marković, Dragana Skočajić, Danijela Djunisijević-Bojović, Marijana Milutinović**
Germination of *Morus nigra* L. seeds collected from elite trees adapted to urban conditions in Belgrade 138
- **Marina Nonić, Mirjana Šijačić-Nikolić, Dragica Vilotić, Predrag Šumarac, Filip Maksimović**
Conservation of forest genetic resources at the locality „Jelak“ in the National Park „Kopaonik“ - Serbia 139
- **Vladan Popović, Aleksandar Lučić, Ljubinko Rakonjac, Saša Bogdan**
Genetic differentiation of wild cherry (*Prunus avium* L.) populations in Serbia based on seedling's morphological traits 140
- **Rajko Roljić, Radoslav Dekić, Maja Šibarević, Vera Nikolić, Sadbera Trožić-Borovac, Avdul Adrović, Dragojla Golub**
The state of the aquatic genetic resources (AqGR) in Bosnia and Herzegovina . 141
- **Mirjana Šijačić-Nikolić, Ivona Kerkez Janković, Marina Nonić, Jelena M. Aleksić**
Genetic diversity of the *Quercus frainetto* Ten. population from the protected area „Košutnjak Forest“ (Belgrade, Serbia) assessed by nuclear microsatellites 142
- **Mirjana Šijačić-Nikolić, Marina Nonić, Ivona Kerkez Janković, Jovana Devetaković, Dragica Vilotić**
Conservation of the target species gene pool in Natural Monument „Košutnjak Forest“ (Serbia) 143

THEMATIC AREA 4: A MODERN AND COMPETITIVE FORESTRY SECTOR

ORAL PRESENTATIONS

- **Dragan Čomić, Vladimir Stupar, Branislav Cvjetković**
Potentials of fast-growing forest plantations in Bosnia and Herzegovina for CO₂ sequestration and wood assortments production 147
- **Iva Ištok, Marko Kučinić**
Variability in tracheid length of *Pseudotsuga menziesii* (Mirb.) Franco wood from three sites in Croatia 148

- **Ljiljana Keča, Ilijana Blanuša, Milica Marčeta, Sreten Jelić**
The role of the macroeconomic environment in the business activity of wood industry companies in the South Bačka District 149
- **Dane Marčeta, Vladimir Petković, Mladen Đukić**
Performance of LKT 81T skidder and its suitability to the current forest harvesting trends 150
- **Zoran Poduška, Jelena Nedeljković, Dragan Nonić**
The concept of intrapreneurship: historical perspective and possible application in the forestry sector 151
- **Maja Radosavljević, Dragan Čomić, Mauro Masiero, Todora Rogelja**
Integration of EU Timber Regulation requirements into forest policy in Montenegro and the Republic of Srpska (Bosnia and Herzegovina) 152
- **Dušan Stojnić, Milorad Danilović, Vladimir Ćirović, Predrag Vasiljević**
Comparative analysis of values of the dynamic deformation modulus of the pavement construction of forest roads measured by light deflectometers Zorn ZFG 3.0 GPS and Terratest 5000BT 153
- **Marijan Šušnjar, Zdravko Pandur, Marin Bačić, Hrvoje Kopseak**
Remote monitoring of skidder Ecotrac 140V as a tool for collecting measurement data for scientific purposes 154

POSTER PRESENTATIONS

- **Velid Halilović, Jusuf Musić, Jelena Knežević, Admir Avdagić, Elmin Hodžić**
Analysis of technologies and technological process of forest harvesting in the Sarajevo Canton 155
- **Jelena Nedeljković, Zoran Poduška, Mile Stanišić, Dragan Čomić**
Small and Medium Enterprises in Forestry and Wood Industry: Organization of Business Processes in Selected Forest Management Regions in the Republic of Srpska 156
- **Rodoljub Oljača, Nikola Travar, Sunčica Bodružić, Borut Bosančić, Jelena Davidović Gidas, Nataša Pašalić**
Use of Non-Invasive Methods in the Tree Risk Assessment at the Protected Area "University City" 157
- **Vladimir Petković, Dane Marčeta, Muhamed Bajrić**
Analysis of quality of primary forest accessibility 158

THEMATIC AREA 5: INNOVATIVE VALUE CHAINS AND SOCIOLOGICAL ASPECTS IN FORESTRY AND RELATED SECTORS

ORAL PRESENTATIONS

- **Dragan Gačić, Damir Mrđenović, Slaviša Kajkut**
Current status of wild boar (*Sus scrofa* L.) in the Republic of Srpska 161

- **Jelena Nedeljković, Marina Nonić, Mirjana Šijačić-Nikolić, Dragan Nonić**
Views on women in the forestry sector in Serbia: female forestry students', forest professionals' and forest owners' attitudes 162
- **Jasmina Popović, Mladjan Popović, Marko Peruničić, Milanka Djiporović-Momčilović, Vladimir Dodevski**
The influence of acetic acid pretreatment on the chemical composition of the Narrow leaved Ash wood 163
- **Mladjan Popović, Milanka Djiporović-Momčilović, Jasmina Popović, Ivana Gavrilović-Grmuša**
The influence of particleboard density and depth of the prebored holes on the resistance to axial withdrawal of screws 164
- **Ivana Živanović, Nebojša Todorović, Danijela Petrović**
Transverse stress wave velocity in northern red oak tree: assessment of the wood quality 165

POSTER PRESENTATIONS

- **Renata Bešta-Gajević, Sabina Dahija, Milica Vasić, Erna Karalija**
Antimicrobial activity, total phenolic and flavonoid content of methanol extracts from *Pinus heldreichii* Christ. 166
- **Sabina Dahija, Erna Karalija, Nađa Buturović, Renata Bešta-Gajević**
Polyphenolics content and antimicrobial activities of *Picea abies* (L.) Karst. extracts 167
- **Maida Đopa, Adisa Parić**
Allelopathic effect of lavender and thyme essential oils on selected plant species 168
- **Aleksandar Lazarević, Ljiljana Stanojević, Aleksandra Milenković, Jelena Stanojević, Zoran Ilić, Dragan Cvetković, Lidija Milenković**
Essential oils content, composition and antioxidant activity of lemon balm (*Melissa officinalis* L.) from Serbia 169
- **Željka Marjanović-Balaban, Vesna Kalaba, Dragana Kalaba, Vesna Gojković Cvjetković**
Study of the antibacterial activity of *Allium ursinum* L. on apatogenic bacteria .170
- **Aleksandra Milenković, Ljiljana Stanojević, Jelena Zvezdanović, Sanja Milenković, Dragan Cvetković, Goran Nikolić, Jelena Stanojević**
Viburnum opulus L. leaves - Promising source of phenolic compounds, macro- and microelements 171
- **Danijela Petrović, Vojislav Dukić, Nebojša Todorović, Zdravko Popović, Srđan Bilić**
The hardness of Serbian spruce wood 172
- **Ljiljana Stanojević, Dragan Cvetković, Goran Nikolić, Jelena Stanojević, Aleksandra Milenković, Aleksandar Lazarević**
The influence of the extraction technique on the yield, composition and antioxidant activity of the ethanolic extracts from guelder-rose leaves (*Viburnum opulus* L.) ... 173

THE CONCEPT OF INTRAPRENEURSHIP: HISTORICAL PERSPECTIVE AND POSSIBLE APPLICATION IN THE FORESTRY SECTOR

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ABSTRACT

The concept of intrapreneurship arose from the study of forestry based on the attitude that forests need to be managed by planned utilization and reforestation. It originates from the beginning of XIXth century. Intrapreneurship is based on commitment to public goods, nature and disagreement with the concentration of wealth and power. Intrapreneurship also implies creativity and innovations. Given that the forestry sector is considered traditional and mature which can be an obstacle to creativity and innovation, it is justified to analyze the possibility for application of intrapreneurship in the forestry sector. In this paper, a bibliometric analysis was performed as rigorous method for exploring and analyzing large volumes of scientific data. It has been determined that the original historical perspective on which intrapreneurship is based is applicable in forestry sector. Intrapreneurship can be applied within established organizations of any size. It implies State-Owned Forest Enterprises, Public Enterprises and Small and Medium-sized Enterprises. Adequate intrapreneurial climate is conditioned with mutual correlations and influence of organizational elements like: managerial support, work autonomy, professional training, business environment and rewarding system. The application of the intrapreneurial concept in forestry sector can contribute to the introduction of innovations. Such innovation derived from intrapreneurial orientation in sector of forestry could be different from generally accepted role of innovations. Generally accepted roles of innovation force technological changes as proxy for reduction of workforce, concentration of capital and it is suitable for a highly educated staff. New approach to the innovativeness derived from intrapreneurship in forestry sector encouraging technological development that complements rather than replaces the work skills of the existing workforce.

Key words: entrepreneurship, creativity, inovativnost, organizational climate

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