

# FORS D

25 YEARS OF THE FACULTY OF FORESTRY

## CONFERENCE PROGRAMME

INTERNATIONAL SCIENTIFIC CONFERENCE

“FOREST SCIENCE FOR SUSTAINABLE  
DEVELOPMENT OF FORESTS”

25 YEARS OF FORESTRY OF THE REPUBLIC OF SRPSKA

December 7-9, 2017  
Banja Luka, Republic of Srpska/B&H  
Faculty of Forestry, University of Banja Luka  
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PUBLIC ENTERPRISE FORESTRY  
"SUME REPUBLIKE SRPSKE"



INTERNATIONAL UNION  
OF FOREST RESEARCH  
ORGANIZATION





**ORGANISERS:**

**FACULTY OF FORESTRY, UNIVERSITY OF BANJA LUKA**

**INTERNATIONAL UNION OF FOREST RESEARCH ORGANIZATIONS (IUFRO)**

**PUBLIC FOREST ENTERPRISE "ŠUME REPUBLIKE SRPSKE" a.d. SOKOLAC**

**WITH KIND SUPPORT:**

**MINISTRY OF AGRICULTURE, FORESTRY AND WATER MANAGEMENT, OF THE REPUBLIC OF SRPSKA**

**MINISTRY OF EDUCATION AND CULTURE, OF THE REPUBLIC OF SRPSKA**

**MINISTRY OF SCIENCE AND TECHNOLOGY, OF THE REPUBLIC OF SRPSKA**

**KOZARA NATIONAL PARK**

## Day 1, December 7, Thursday

**18<sup>00</sup>-20<sup>00</sup> GUESTS ARRIVAL**

## Day 2, December 8, Friday

**7<sup>30</sup>-9<sup>00</sup> PARTICIPANTS AND GUESTS REGISTRATION**

**9<sup>00</sup>-10<sup>00</sup> CONFERENCE OPENING CEREMONY WITH WELCOME ADDRESSES**

Prof. dr Milan Mataruga, President of Scientific Committee

Prof. dr Radoslav Gajanin, Rector of the University of Banja Luka

Representative of Ministry of Science and Technology, of the Republic of Srpska

Representative of Ministry of Education and Culture, of the Republic of Srpska

Representative of Ministry of Agriculture, Forestry and Water management, of the Republic of Srpska

Mr Risto Marić, general director of PFE „Šume Republike Srpske“ a.d. Sokolac

Other distinguished guests

**10<sup>00</sup>-11<sup>40</sup> PLENARY SESSIONS**

10<sup>00</sup>-10<sup>20</sup> IUFRO – EFFECTIVELY INTERCONNECTING FORESTS, SCIENCE AND PEOPLE  
Prof. dr Björn Hånell, IUFRO

10<sup>20</sup>-10<sup>40</sup> Coffee break (Time for Taking Group Photos)

10<sup>40</sup>-11<sup>00</sup> OLD-GROWTH FOREST STRUCTURE AND DYNAMICS IN THE DINARIC ALPS  
Prof. dr Renzo Motta, University of Turin, Italy

11<sup>00</sup>-11<sup>20</sup> FOREST FIRES CONTROL THE FATE OF THE WATER AND SEDIMENT DELIVERY  
Prof. dr Artemi Cerda University of Valencia, Spain

11<sup>20</sup>-11<sup>40</sup> PRESENT CHALLENGES FOR FORESTRY HIGHER EDUCATION IN CENTRAL AND EASTERN EUROPE  
Prof. dr Ian Abrudan, University of Braşov, Romania

**12<sup>00</sup>-13<sup>00</sup> BUFFET LUNCH**

**13<sup>00</sup>-17<sup>30</sup> CONFERENCE PROGRAM** (with a Coffe break 15<sup>00</sup>-15<sup>15</sup>)

**17<sup>30</sup>-18<sup>30</sup> INSIGHT INTO THE POSTER PRESENTATION**

**18<sup>30</sup>-19<sup>30</sup> OPEN SCIENTIFIC PANELS DISCUSSION WITH CLOSING SPEECH** (First conference room)

**20<sup>00</sup> CEREMONIAL DINNER**

## Day 3, December 9, Saturday

**FIELDTRIP TO THE KOZARA NATIONAL PARK**

(Leave Banja Luka by 9<sup>30</sup> return by 16<sup>00</sup>)

## **SCIENTIFIC SESSIONS**

### **THE FIRST CONFERENCE ROOM**

**Day 2, December 8, Friday**

**13<sup>00</sup>-17<sup>30</sup>**

#### **SCIENTIFIC SESSIONS:**

FOREST ECOLOGY AND CONSERVATION OF NATURAL RESOURCES

URBAN FORESTRY-LANDSCAPE ARCHITECTURE

**(Moderator:** Vladimir Stupar, PhD )

#### **ORAL PRESENTATIONS**

*Time for oral presentation - 15 minutes (including 5 minutes for discussion )*

#### **FOREST ECOLOGY AND CONSERVATION OF NATURAL RESOURCES**

- 13<sup>00</sup>-13<sup>15</sup> NOVELTIES IN EUROPEAN VEGETATION SCIENCE: HIERARCHICAL FLORISTIC CLASSIFICATION SYSTEM OF VEGETATION OF EUROPE AND RED LIST OF EUROPEAN HABITATS  
Andraž Čarni
- 13<sup>15</sup>-13<sup>30</sup> TOWARDS THE FLORA OF THE REPUBLIKA SRPSKA DATABASE  
Vladimir Stupar, Đorđije Milanović, Jugoslav Brujić, Marijana Kapović-Solomun, Zorana Hrkić Ilić, Ozren Žolja, Nikola Pećanac, Ognjen Lukić
- 13<sup>30</sup>-13<sup>45</sup> PHYTOSOCIOLOGICAL ANALYSIS OF THE MIXED BEECH-FIR FORESTS OF THE KOZARA MT.  
Igor Kneginjić, Vladimir Stupar, Rade Cvjetičanin, Milan Knežević
- 13<sup>45</sup> -14<sup>00</sup> EDAPHIC-FLORISTIC CHARACTERISTICS OF BEECH AND ITALIAN MAPLE FOREST COMMUNITY (ACERI OBTUSATI-FAGETUM FUK. ET STEF. 1963) ON MANJAČA MT.  
Saša Eremija, Milan Knežević, Rade Cvjetičanin, Marko Perović
- 14<sup>00</sup>-14<sup>15</sup> FOREST SITES MAPPING IN THE AREA OF "ISTOČNA BORANJA" FOREST MANAGEMENT UNIT  
Olivera Košanin, Marko Perović, Milan Knežević, Rade Cvjetičanin, Janko Ljubičić
- 14<sup>15</sup>-14<sup>30</sup> ZONAL FOREST VEGETATION IN BOSNIA AND HERZEGOVINA: ECOLOGICAL AND FUNCTIONAL PERSPECTIVE  
Vladimir Stupar, Andraž Čarni
- 14<sup>30</sup>-14<sup>45</sup> ACHIEVEMENT OF LAND DEGRADATION NEUTRALITY IN THE REPUBLIC OF SRPSKA (BOSNIA AND HERZEGOVINA) BY 2030  
Marijana Kapović-Solomun, Mihajlo Marković, Svjetlana Ćoralić, Milan Šipka, Mladen Babić

- 14<sup>45</sup>-15<sup>00</sup> ERODIBILITY FACTOR AND SOIL LOSS IN BLACK PINE STANDS 60 YEARS AFTER AFFORESTATION  
Aleksandar Baumgertel, Sara Lukić, Snežana Belanović Simić, Predrag Miljković
- 15<sup>00</sup>-15<sup>15</sup> COFFEE BREAK
- 15<sup>15</sup>-15<sup>30</sup> CHARACTERISTICS OF MOLLIC LEPTOSOLS AFTER FOREST FIRE–CASE STUDY MANJAČA MOUNTAIN IN THE REPUBLIC OF SRPSKA  
Marijana Kapović-Solomun, Svjetlana Ćoralić, Nemanja Lazović, Saša Eremija, Nemanja Jungić
- 15<sup>30</sup>-15<sup>45</sup> FOREST FIRE AND BIOLOGICAL DIVERSITY  
Zbigniew Borowski, Wojciech Gil, Lidia Yalkovskaya
- 15<sup>45</sup>-16<sup>00</sup> STOCKS OF DEAD BIOMASS OF BEECH (FAGUS SYLVATICA L.) FOREST ECOSYSTEMS IN WEST BALKAN RANGE, BULGARIA  
Violeta Dimitrova, Dimitar Dimitrov
- 16<sup>00</sup>-16<sup>15</sup> HOW EFFECTS SOIL STABILIZATION WITH WATTLE FENCE ON MICROBIAL BIOMASS C AND ERODIBILITY INDICES  
Ömer Kara, Emre Babur, Yunus Emre Susam
- 16<sup>15</sup>-16<sup>30</sup> TEMPERATURE CHARACTERISTICS OF THE FROST HOLLOW “MEĐI DO“  
Zoran Stanivuković, Marijana Kapović-Solomun, Svjetlana Ćoralić
- 16<sup>30</sup>-16<sup>45</sup> VIABLE DEVELOPMENT OF FORESTRY AND CONSTRUCTION OF SMALL HYDRO-POWER PLANTS IN THE REPUBLIC OF SRPSKA  
Vesna Rajčević, Čedomir Crnogorac, Nenad Đukić

#### **URBAN FORESTRY–LANDSCAPE ARCHITECTURE**

- 16<sup>45</sup>-17<sup>00</sup> POSSIBILITY OF APPLICATION OF GRAY WATER FOR WATERING OF URBAN GREENERY  
Bojana Dabić, Emina Mladenović, Jasna Grabić

**THE SECOND CONFERENCE ROOM**

**Day 2, December 8, Friday**

**13<sup>00</sup>-17<sup>30</sup>**

**SCIENTIFIC SESSIONS:**

USING OF FOREST RESOURCES AND HUNTING

FOREST POLICY, ECONOMICS, AND ORGANIZATION IN FORESTRY

WOOD INDUSTRY

**(Moderator:** Dane Marčeta, PhD)

**USING OF FOREST RESOURCES AND HUNTING**

- 13<sup>00</sup>-13<sup>15</sup> FOSTERING INNOVATION IN FORESTRY  
Mario Šporčić, Matija Landekić, Stjepan Posavec, Matija Bakarić
- 13<sup>15</sup>-13<sup>30</sup> INFLUENCE OF DIFFERENT HARVESTING METHODS ON THE DAMAGES ON THE  
STANDING TREES  
Dane Marčeta, Vladimir Petković, Ozren Žolja
- 13<sup>30</sup>-13<sup>45</sup> FUEL CONSUMPTION OF FORWARDER IN LOWLAND FORESTS OF BROADLEAVED OAK  
Zdravko Pandur, Marijan Šušnjar, Marin Bačić, Kruno Lepoglavec, Hrvoje Nevečerel
- 13<sup>45</sup> - 14<sup>00</sup> RESEARCH OF UTILIZATION OF WOOD AS RENEWABLE RAW MATERIAL IN SLOVAKIA  
Martin Moravčík
- 14<sup>00</sup>-14<sup>15</sup> SKIDDING DISTANCES AND SKIDDING FACTOR  
Vladimir Petković, Dane Marčeta, Darko Ljubojević, Potočnik Igor
- 14<sup>15</sup>-14<sup>30</sup> MARKETING OF NON TIMBER FOREST PRODUCTS IN MANIPUR, INDIA  
Khulakpam Apshahana, A. K. Sharma
- 14<sup>30</sup>-14<sup>45</sup> INVASIVE EXPANSION OF THE GOLDEN JACKALS IN BOSNIA AND HERZEGOVINA  
Tijana Trbojević, Igor Trbojević
- 14<sup>45</sup>-15<sup>00</sup> REPRESENTATION OF WILD FRUIT SPECIES SUITABLE FOR RED DEER FEEDING IN THE  
AREA OF DJERDAP NATIONAL PARK  
Dragica Vilotić, Marina Nonić, Mirjana Šijačić-Nikolić, Dragan Gačić
- 15<sup>00</sup>-15<sup>15</sup> COFFEE BREAK

**FOREST POLICY, ECONOMICS, AND ORGANIZATION IN FORESTRY**

- 15<sup>15</sup>-15<sup>30</sup> RANKING OF FOREST ENTERPRISES ORGANIZATIONAL UNITS IN ACCORDANCE WITH  
THE POSSIBILITIES OF DIFFERENTIAL RENT ALLOCATION  
Dragan Čomić, Zoran Govedar, Vojislav Dukić, Ratko Čomić, Branko Glavonjić, Branislav  
Cvjetković, Vladimir Petković

- 15<sup>30</sup>-15<sup>45</sup> CONTRIBUTION OF WOOD ENERGY TO MEET THE 2020 RENEWABLE ENERGY TARGET FOR BOSNIA AND HERZEGOVINA  
Branko Glavonjić, Dragan Čomić, Aleksandra Lazarević, Miljan Kalem
- 15<sup>45</sup>-16<sup>00</sup> CLIMATE CHANGE MITIGATION IN FORESTRY AND NATURE CONSERVATION: INSTITUTIONAL FRAMEWORK AND POLICY MEASURES IN SLOVENIA, CROATIA AND SERBIA  
Jelena Nedeljković, Mirjana Stanišić, Dragan Nonić, Nenad Ranković, Marta Curman, Mersudin Avdibegović, Spela Pezdevsek Malovrh
- 16<sup>00</sup>-16<sup>15</sup> LOCAL COMMUNITY'S DEPENDENCE ON FOREST RESOURCES IN THE CENTRAL ZAGROS FORESTS OF IRAN  
Beytollah Mahmoudi
- 16<sup>15</sup>-16<sup>30</sup> ORGANISATION OF PROCUREMENT IN WOOD SUPPLY CHAIN: IMPROVEMENT POSSIBILITIES IN SOUTH MORAVA FOREST AREA  
Dragan Mihajlović, Jelena Nedeljković, Nenad Ranković, Branko Glavonjić, Dragan Nonić
- 16<sup>30</sup>-16<sup>45</sup> PUBLIC-PRIVATE PARTNERSHIPS FOR SUSTAINABLE FORESTRY DEVELOPMENT IN SRI LANKA: EMERGENCE, INFLUENCE AND LEGITIMACY  
Mangala De Zoysa

#### **WOOD INDUSTRY**

- 16<sup>45</sup>-17<sup>00</sup> EFFECT OF PRESSING PRESSURE AND PHENOL-FORMALDEHYDE RESIN CONTENT ON MECHANICAL INDICATORS OF HIGH-DENSITY FIBREBOARDS  
Julia Mihajlova
- 17<sup>00</sup>-17<sup>15</sup> EFFECT OF PRESSING PRESSURE AND PHENOL-FORMALDEHYDE RESIN CONTENT ON PHYSICAL INDICATORS OF HIGH-DENSITY FIBREBOARDS (HDF)  
Julia Mihajlova

**THE THIRD CONFERENCE ROOM**

**Day 2, December 8, Friday**

**13<sup>00</sup>-17<sup>30</sup>**

**SCIENTIFIC SESSIONS:**

FOREST MANAGEMENT PLANNING

SILVICULTURE

FOREST GENETICS, FOREST SEED SCIENCE AND NURSERY, AFFORESTATION

FOREST PROTECTION

**(Moderator:** Prof. dr Milan Mataruga)

**FOREST MANAGEMENT PLANNING**

- 13<sup>00</sup>-13<sup>15</sup> GROWTH-CLIMATE RELATIONS OF EUROPEAN ASH (FRAXINUS EXCELSIOR L.) IN LAST CENTURY IN "DJERDAP" NATIONAL PARK, SERBIA: THE FIRST RESULTS  
Branko Stajić, Marko Kazimirović, Vojislav Dukić, Živan Janjatović
- 13<sup>15</sup>-13<sup>30</sup> MAPPING OF FOREST FUNCTIONS AS AN INSTRUMENT OF SUSTAINABLE FOREST MANAGEMENT  
Biljana Šljukić, Milan Medarević, Dragan Borota, Nevena Vasiljević, Snežana Obradović, Nenad Petrović
- 13<sup>30</sup>-13<sup>45</sup> ANALYSIS AND MONITORING OF TREE DAMAGE DUE TO ICE BREAK IN BEECH-FIR FORESTS OF GORSKI KOTAR IN THE CONTEXT OF THE CLIMATE CHANGE  
Krunoslav Teslak, Marijana Žunić, Karlo Beljan, Mario Komarčević
- 13<sup>45</sup>-14<sup>00</sup> STRUCTURAL AND DYNAMIC CHANGES IN BEECH AND FIR FORESTS ON MT. GOČ  
Snežana Obradović, Damjan Pantić, Milan Medarević, Biljana Šljukić, Biljana Pešić
- 14<sup>00</sup>-14<sup>15</sup> CLIMATE RESPONSE OF SILVER FIR (ABIES ALBA MILL.) IN THE KOZARA NATIONAL PARK  
Jelena Subotić, Vojislav Dukić, Goran Trbić, Zoran Maunaga
- 14<sup>15</sup>-14<sup>30</sup> RESEARCHING THE CONCEPT OF MULTIPLE FOREST FUNCTIONS AND THEIR IMPLEMENTATION IN PRACTICE  
Aleksandra-Anja Dragomirović, Ljiljana Došenović

**SILVICULTURE**

- 14<sup>30</sup>-14<sup>45</sup> A REVIEW OF THE STAND STRUCTURE OF MATURE SESSILE OAK STANDS IN NORTHEASTERN SERBIA BEFORE PLANNED REGENERATION  
Martin Bobinac, Siniša Andrašev, Nenad Radaković, Nikola Šušić, Andrijana Bauer-Živković
- 14<sup>45</sup>-15<sup>00</sup> WEED CONTROL IN POPLAR PLANTATIONS  
Ranko Sarić, Milorad Danilović, Vladimir Ćirović
- 15<sup>00</sup>-15<sup>15</sup> COFFEE BREAK



- 15<sup>15</sup>-15<sup>30</sup> ANALYSIS OF FOREST CULTURES AND PROPOSAL OF MANAGEMENT MEASURES IN THE REPUBLIC OF SRPSKA  
Zoran Govedar, Milun Krstić, Srđan Keren, Velibor Blagojević, Milan Stojanović, Vasilije Trifković

**FOREST GENETICS, FOREST SEED SCIENCE AND NURSERY, AFFORESTATION**

- 15<sup>30</sup>-15<sup>45</sup> GENETIC VARIABILITY OF SERBIAN SPRUCE (PICEA OMORIKA /PANČIĆ/ PURKYNE) IN THE REPUBLIC OF SRPSKA (BIH)  
Milan Mataruga, Vanja Daničić, Barbara Fussi, Branislav Cvjetković, Vasilije Isajev
- 15<sup>45</sup>-16<sup>00</sup> INCREASING THE QUALITY AND QUANTITY OF FRUCTIFICATION BY TRANSFORMING YOUNG REGULAR FOREST STANDS INTO SEED STANDS  
Vladimir Novotny, Mladen Ivanković, Saša Bogdan, Miran Lanščak, Sandra Crnković, Vlatko Uzelac
- 16<sup>00</sup>-16<sup>15</sup> FOREST GENETIC RESOURCES IN BOSNIA AND HERZEGOVINA – STATE, LEGISLATIVE, CONSERVATION AND CLIMATE CHANGES  
Branislav Cvjetković, Milan Mataruga, Dalibor Ballian, Vanja Daničić, Rifet Terzić

**FOREST PROTECTION**

- 16<sup>15</sup>-16<sup>30</sup> THE MOST IMPORTANT PARASITIC FUNGI ASSOCIATED WITH CANKERS (ON THE BARK AND STEM), GALLS AND WITCHES' BROOMS ON FOREST TREES IN SERBIA  
Dragan Karadžić, Ivan Milenković, Snežana Obradović, Vesna Ćurguz
- 16<sup>30</sup>-16<sup>45</sup> PATHOGENICITY OF PHYTOPHTHORA SPECIES TO ACER PSEUDOPLATANUS L. IN SERBIA  
Ivan Milenković, Nenad Keča, Dragan Karadžić, Zlatan Radulović, Thomas Jung
- 16<sup>45</sup>-17<sup>00</sup> INFLUENCES OF STORM BORA ON VEGETATION OF RAB ISLAND - CASE STUDY LOPAR  
Sanja Novak Agbaba, Boris Belamarić, Nevenka Čelepirović, Jelena Ferina
- 17<sup>00</sup>-17<sup>15</sup> DIVERSITY OF BARK AND WOOD BORING BEETLES (COLEOPTERA: BOSTRICHIDAE; CURCULIONIDAE: PLATYPODINAE AND SCOLYTINAE) ON ENDEMIC AND RELICT DECIDUOUS FOREST TREE SPECIES IN MEDITERRANEAN PART OF TURKEY  
Oguzhan Sarikaya, Seydi Ahmet Kavakli, Huseyin Sayin
- 17<sup>15</sup>-17<sup>30</sup> DETERMINATION TO FLIGHT ACTIVITIES OF SOME IMPORTANT PEST BEETLES ON FOREST TREE SPECIES IN AKDAĞ NATURE PARK (AFYONKARAHISAR), TURKEY  
Seydi Ahmet Kavakli, Oguzhan Sarikaya

**POSTER PRESENTATION**

**Day 2, December 8, Friday**

17<sup>30</sup>-18<sup>30</sup>

**SCIENTIFIC SESSIONS:**

**FOREST ECOLOGY AND CONSERVATION OF NATURAL RESOURCES**

1. INFLUENCE OF CLIMATE FACTORS ON THE OCCURANCE OF MACROFUNGI WITHIN SELECTED SPRUCE STANDS ON MOUNTAINS TARA AND KOPAONIK  
Miroslav Marković, Milana Rakić, Marina Katanić, Saša Orlović, Maja Karaman
2. BEECH (FAGUS SYLVATICA L.) VERSUS PINE (PINUS SYLVESTRIS L.). THE IMPACT OF PLANTS ON SOIL WATER REPELLENCY AND INFILTRATION IN TEMPERATE FOREST. THE WAGENINGEN FOREST STUDY SITE.  
Saskia Keesstra, SImone Di Prima, Laurent Lassabatere, Jesús Rodrigo Comino, Artemi Cerdà
3. REMEDIATION AS A METHOD FOR CONTAMINATED SOIL AND WATER QUALITY IMPROVEMENT  
Nemanja Jungić, Marijana Kapović-Solomun, Mihajlo Marković, Svjetlana Ćoralić
4. SPATIOTEMPORAL CHANGE DETECTION USING LANDSAT IMAGERY: THE CASE STUDY OF ULUDAG NATIONAL PARK, BURSA, TURKEY  
Burhan Gencal, Inanc Tas, Mehmet Kalkan
5. VOLATILE COMPONENTS OF PHLOMIS GRANDIFLORA H. S. THOMPSON VAR. GRANDIFLORA IN ĆUBUK BELI PROVINCE OF ANTALYA, TURKEY  
Ayse Gul Sarikaya, Huseyin Fakir
6. HYDROMORPHIC SOILS OF THE CENTRAL DANUBE BASIN AND POSSIBILITIES FOR THEIR AFFORESTATION  
Saša Pekeć, Marina Katanić, Dejan Stojanović
7. DIVERSITY OF ECTOMYCORRHIZAL FUNGI AS AN INDICATOR OF FOREST RESILIENCE  
Marina Katanić, Saša Orlović, Elena Paoletti, Saša Pekeć, Tine Grebenc, Hojka Kraigher
8. ECOLOGICAL CLASSIFICATION OF FOREST DISTRICT "GOZNA" NEAR ĆELINAC  
Aleksandra Kutić, Marijana Kapović-Solomun, Svjetlana Ćoralić, Saša Eremija
9. AN IMPACT OF AIR POLLUTION ON CHARACTERISTICS OF STOMA AND PHOTOSYNTHETIC APPARATUS OF TILIA CORDATA MILL. AND TILIA PLATYPHYLLOS SCOP. ON BANJA LUKA AREA  
Tanja Maksimović, Nina Janjić
10. LANDSCAPE APPROACH IN RADIO-ECOLOGICAL MONITORING OF FOREST AREAS  
Natalya Bulygina Alekseevna, Aleksandr Petuhov Sergeevich, Evgeniy Goncharov Alekseevich

#### **URBAN FORESTRY–LANDSCAPE ARCHITECTURE**

- 1.** CURRENT STATE AND DEVELOPMENT OF THE CITY PARK IN SKOPJE  
Jasminka Rizovska Atanasovska, Iskra Apostolovska, Nikolco Velkovski, Vlatko Andonovski, Divna Pencic
- 2.** INTEGRATION OF WATER SENSITIVE SOLUTIONS IN THE LANDSCAPE DESIGN OF CITY OF NOVI SAD- CONCEPT OF RAIN GARDENS AND GREEN ROOFS  
Mirjana Sekulić, Amela Đurakovać, Jasna Grabić
- 3.** THE INFLUENCE OF AIR POLLUTION ON HEALTH CONDITION AND VITALITY OF WOODY PLANTS - CASE STUDY MUSEUM PARK IN BOR  
Milena Milosavljević, Vesna Ćurguz, Mirjana Ocokoljić, Danijela Đunisijević
- 4.** CONDITION AND SIGNIFICANCE OF URBAN FORESTS IN THE AREA OF INDUSTRIAL SETTLEMENT LJUBIJA  
Sanja Grubić, Ljiljana Došenović, Marijana Kapović-Solomun
- 5.** GREENWAYS AS ELEMENT OF URBAN PLANNING: TREBINJE VIEW  
Ljiljana Došenović, Tanja Trkulja, Tijana Marić

#### **USING OF FOREST RESOURCES AND HUNTING**

- 1.** ETHNOBOTANY USAGE OF ROSE HIP (ROSA CANINA L.) IN EĞIRDİR PROVINCE OF ISPARTA, TURKEY  
Ayse Gul Sarikaya
- 2.** INVESTIGATION ON MEDICINAL AND AROMATIC USAGE OF LAUREL (LAURUS NOBILIS L.) IN TURKEY  
Ayse Gul Sarikaya

#### **FOREST POLICY, ECONOMICS, AND ORGANIZATION IN FORESTRY**

- 1.** MODELS FOR SALE OF WOOD ASSORTMENTS IN THE CASE OF FE  
Ljiljana Keča, Milica Marčeta
- 2.** EFFICIENCY OF OUTSOURCING IN THE SLOVAK FORESTRY – DATA AND FACTS  
Miroslav Kovalčík
- 3.** THE ECONOMICS ROLE OF FOREST ON FOREST DWELLERS LIVELIHOOD IN CENTRAL ZAGROS FORESTS OF IRAN  
Beytollah Mahmoudi

#### **WOOD INDUSTRY**

- 1.** MOR AND MOE OF SERBIAN SPRUCE (PICEA OMORIKA /PANČIĆ/ PURKYNĚ) WOOD FROM PLANTATIONS  
Danijela Petrović, Zdravko Popović, Vojislav Dukić, Nebojša Todorović

### **FOREST MANAGEMENT PLANNING**

- 1. POTENTIALS OF APPLICATION OF UNMANNED AERIAL VEHICLE (UAV) FOR ASSESSMENT OF TREE HEIGHTS IN POPLAR PLANTATION**  
Dejan Stojanović, Leopold Poljaković-Pajnik, Srđan Stojnić, Zoran Novčić, Robert Erdelji, Saša Orlović
- 2. RELATIONSHIP BETWEEN CLIMATE VARIABLES AND CIRCLES VEGETATIVE IN AN IRANIAN OAK**  
Sayyedhassan Tabatabaei, Narjes Amirchakhmaghi, Nabiallah Yarali, Ahmad Karimi
- 3. THE STRUCTURE OF MATURE STANDS OF SESSILE OAK IN BOSNIA AND HERZEGOVINA**  
Vojislav Dukić, Branko Stajić
- 4. CLIMATE IMPACT ON GROWTH OF SPRUCE IN NATIONAL PARK KOPAONIK**  
Bratislav Matović, Dejan Stojanović, Lazar Kesić, Stefan Stjepanović
- 5. COMPARISON OF ACTUAL AND NORMAL WOOD CUTTING INTENSITY IN PRIVATE HOLDER FORESTS IN CROATIA**  
Mario Božić, Jura Čavlović, Ernest Goršić

### **SILVICULTURE**

- 1. CHARACTERISTICS OF THE AREA POTENTIALLY AVAILABLE IN THE FIELD TRIAL WITH THINNING OF POPLAR CLONE I-214 DEFINED BY "VORONOI" POLYGONS**  
Siniša Andrašev, Martin Bobinac
- 2. EDAPHIC AND PRODUCTION CHARACTERISTICS OF PEDUNCULATE OAK STANDS IN MANAGEMENT UNIT „MUZLJANSKI RIT“**  
Zoran Galić
- 3. GROWTH CHARACTERISTICS OF ONE-YEAR-OLD HUNGARIAN OAK SEEDLINGS (QUERCUS FRAINETTO TEN.) IN FULL LIGHT CONDITIONS**  
Nikola Šušić, Martin Bobinac, Mirjana Šijačić-Nikolić, Andrijana Bauer-Živković, Siniša Andrašev
- 4. DETERMINATION OF LIGHT REGIME WITH HEMISPHERICAL PHOTOGRAPHS IN MIXED FORESTS OF BEECH AND FIR WITH SPRUCE (PICEO-ABIETI-FAGETUM ILLYRICUM) IN THE AREA OF VITOROGA**  
Mirko Šebez, Zoran Govedar, Milun Krstić, Srđan Keren, Violeta Babić, Branko Kanjevac

### **FOREST GENETICS, FOREST SEED SCIENCE AND NURSERY, AFFORESTATION**

- 1. INVESTIGATION ON THE RELATIONSHIP BETWEEN LEAF WATER USE EFFICIENCY AND PHYSIO-BIOCHEMICAL TRAITS OF PEDUNCULATE OAK**  
Srđan Stojnić, Branislav Kovačević, Marko Kebert, Lazar Kesić, Milena Stanković, Saša Orlović
- 2. VARIABILITY OF MORPHOLOGICAL CHARACTERISTICS OF BEECH LEAVES AT THE LEVEL OF PROVENANCE TRIAL ESTABLISHED IN SERBIA**  
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