



Transilvania
University
of Brasov
FACULTY OF SILVICULTURE
AND FOREST ENGINEERING

Programme

CELEBRATING 70 YEARS OF HIGHER EDUCATION IN FORESTRY AT TRANSILVANIA UNIVERSITY OF BRASOV

AND

8TH EDITION OF THE INTERNATIONAL SYMPOSIUM *FOREST AND SUSTAINABLE DEVELOPMENT*

BRAȘOV, ROMANIA, 25-27 OCTOBER 2018

Venue: International Conference Center of the Transilvania University of Brasov (*Aula Sergiu T. Chiriacescu*).

Address: Iuliu Maniu Str. 41A, 500091, Brasov.





25/10/2018	Conference Day 1 [AULA "Sergiu T. Chiriacescu"]
08:30 - 10:00	Registration [Main Hall – 1st floor]
10:00 - 11:30	Official ceremony - Celebrating 70 years of Higher Education in Forestry at Transilvania University of Brasov Rector's Speech Dean's Speech Speeches of the Guests Musical Interlude Honorary Professor Award Ceremony [Aula Magna]
11:30 - 12:00	Coffee break [Main Hall – 1st floor]
12:00 - 12:10	Opening and plenary session of the 8th Edition of the International Symposium <i>Forest and Sustainable Development</i> [Aula Magna]
12:10 - 12:40	Adaptation of forest trees to climate – How much can we learn from the past to address the future? Dr. Antoine KREMER, INRA, University of Bordeaux, UMR BIOGECO, France
12:40 - 13:10	Growing tree species outside their natural range: The role of Norway spruce and Douglas-fir in Central Europe – past, present and future Prof. dr. Heinrich SPIECKER, Institute for Forest Sciences, Albert-Ludwigs University of Freiburg, Germany
13:10 - 14:00	Lunch [Main Hall – Ground floor]
14:00 - 14:30	Understanding climate change impacts in European forests and how to adapt: bridging from science to practice Dr. Marcus LINDNER, European Forest Institute, Bonn, Germany
14:30 - 15:00	Past, present and future of forestry and ungulate management relationship: Does climate change induce a paradigm shift? Prof. dr. András NÁHLIK, University of Sopron, Hungary
15:00 - 15:30	Integrated harvesting: introducing biomass to conventional forest operations Dr. Raffaele SPINELLI, CNR IVALSIA, Sesto Fiorentino, Italy



15:30 - 16:00	Paradigm Shift is needed through Integration, Participation and Collaboration to Safeguard Sri Lankan Tropical Forest Ecosystems Prof. dr. Gamini PUSHPAKUMARA, University of Peradeniya, Peradeniya, Sri Lanka
16:00 - 16:30	Discussion and closing remarks

26/10/2018	Conference Day 2 [AULA "Sergiu T. Chiriacescu"]
09:00 - 11:00	Parallel thematic sessions: Forest ecosystem management/Forest engineering/Wildlife management/Advanced geomatics
11:00 - 11:30	Coffee break and poster session [Main Hall – 1st and 2nd floor]
11:30 - 13:00	Parallel thematic sessions: Forest ecosystem management/Forest engineering/ Wildlife management
13:00 - 14:00	Lunch [Main Hall – Ground floor]
14:00 - 16:00	8 th Annual Meeting of ConDDEFFS and parallel thematic sessions: Forest ecosystem management/ Forest engineering /Wildlife management
16:00 - 16:30	Coffee break and poster session [Main Hall – 1st and 2nd floor]
16:30 - 17:50	8 th Annual Meeting of ConDDEFFS and parallel thematic sessions: Forest ecosystem management/Wildlife management
18:00 - 19:30	Concert [Aula Magna]

27/10/2018	Conference Day 3 – Field trip to Sighisoara, departure at 09:00 in front of the ARO Palace Hotel
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26/10/2018	Conference Day 2 [AULA "Sergiu T. Chiriacescu"]		
09:00 - 11:00	Session 1 [Room: U 13] <i>Forest ecosystem management</i> Moderator: Victor D. PĂCURAR	Session 2 [Room: U 12] <i>Forest engineering</i> Moderator: Andrea R. PROTO	Session 4 [Room: U 17] <i>Advanced geomatics</i> Moderator: Cătălina MUNTEANU
09:00 - 09:20	Adaptability of the Hydraulic System of European Beech to Changing Climate under Different Thinning Regimes - Daniela DIACONU , Hans-Peter KAHLE, Heinrich SPIECKER	Short History of Forest Mechanization and Its Perspectives in Japan - Mika YOSHIDA , Hideo SAKAI	Forest Gap Detection using LiDAR Data - Mihnea CĂȚEANU , Arcadie CIUBOTARU, Tiberiu BANU, Adrian GHIMBĂȘAN
09:20 - 09:40	Hungarian Oak (<i>Quercus frainetto</i> Ten.) Early Silviculture in the South of Romania: Two Case-Studies - Valeriu-Norocel NICOLESCU , Valentina AGA, Ecaterina-Maria CHIRTEȘ, Adrian-Vasile CHIRTEȘ, Alexandru-Sorin STAINBOK, Adina-Elena NICOLA, Cătălin MATEI, Constantin MITRICĂ	Impact of Precipitation of the Drying Process of Fuel Logwood Piles - Gernot ERBER	Using Images Acquired from a Rural Area with Unmanned Aerial Vehicle in Order to Make the Land and Constructions Cadaster - Adrian-Cosmin GHIMBĂȘAN , Iosif VOROVENCII, Mihnea CĂȚEANU
09:40 - 10:00	Densities of Living, Dead and Downed Trees in Hemiboreal Old-Growth Forest - Ahto KANGUR , Kristi NIGUL, Marek METSLAID, Vivika KÄNGSEPP, Diana LAARMANN, Taimi PAAL, Teele PALUOTS, Henn KORJUS, Andres KIVISTE, Lee E. FRELICH	An Integrated Transport Framework System to Optimize Timber and Biomass Supply Logistics - Mauricio ACUNA , Elena Canga, Sandra SÁNCHEZ-GARCÍA	Testing GEOSLAM Accuracy in Extracting Forest Stand Characteristics - Mihai Daniel NIȚĂ , Ștefan-Bogdan CANDREA-BOZGA, Silviu VLADUTI, Sebastian CUCUIAT, Cătălin TURBATU, George CIUBOTARU
10:00 - 10:20	The Spanish 1980s – Effects of Persistent Severe Drought Events on Mediterranean Evergreen Holm Oak Trees - Ana-Maria HEREȘ , Jorge CURIEL YUSTE	Forest Operations Research in Australia - Mauricio ACUNA	Drawing Up of Cadastral Works on Cadastral Sectors at UAT Băilești, Dolj County – Constantin Irinel GREȘITĂ , Ionuț MAICAN
10:20 - 10:40	Silver Fir (<i>Abies alba</i> Mill.) in V Valea Oraviței Working Circle - Cornelia HERNEA , Ion BIRTOIU	Multimodal Wood Supply Chain Simulation - Peter RAUCH	Discussion and concluding remarks



10:40 - 11:00	Secondary Succession Triggered by Conifer Mortality Controls Soil CO ₂ Emissions and Soil C Dynamics from Mountain Temperate Forest - Jorge CUIREL YUSTE , Dulce-Yaahid FLORES-RENTERÍA, Daniel GARCÍA-ANGULO, Ana-Maria HEREȘ, Cosmin BRAGA, Any-Mary PETRIȚAN, Ion Cătălin PETRIȚAN	Chain of Custody Procedures in Wood Supply Chains and the Role of RFID - Petros TSIORAS	
Coffee Break [Room: Aula "Sergiu T. Chiriacescu – Main Hall] / Poster Session [Room: Aula "Sergiu T. Chiriacescu – 2nd floor]			
11:30 - 13:00	Session 1 [Room: U I3] <i>Forest ecosystem management</i> Moderator: Victor D. PĂCURAR	Session 2 [Room: U I2] <i>Forest engineering</i> Moderator: Andrea A. PROTO	Session 3 [Room: U I13] <i>Wildlife management</i> Moderator: Ovidiu IONESCU
11:30 - 11:50	Tracking the Associations of Tree-Pathogenic Fungi and Scolytinae Beetles through the United Kingdom - Angelina CEBALLOS-ESCALERA	Opening Up of Greek Forest Area Using Multi-Criteria Decision Support System and UAV - Karupidis SIMOS, Liampas SARANTIS-ANGELOS , Drosos C. VASILEIOS, Farmakis DIMITRIOS	Ecological Niche Relationships in Golden Jackal's Core Area of Distribution in Early Stages of Cub Rearing Season - Attila FARKAS , Ferenc JANOSKA, András NÁHLIK
11:50 - 12:10	Research Carried out in Romania on Ecology and Management of the Poplar Defoliator <i>Clostera (Pygaera) anastomosis</i> L. (<i>Lepidoptera: Notodontidae</i>) - Mihai-Leonard DUDUMAN , Daniela LUPAȘTEAN, Constantin NEȚOIU, Romică TOMESCU	The New Technologies of Forest Road Construction - Adrian KASZTELAN , Andrzej CZERNIAK, Radosław JAGIEŁŁO	Habitat Assessment for Beavers (<i>Castor Fiber</i>) in Danube Delta - Georgeta IONESCU , Claudiu PASCA, Alexandru GRIDAN, George SIRBU
12:10 - 12:30	Long-Term Dynamics of Red Wood Ants (<i>Formica</i> spp.) Due to Changes in Habitat Conditions after 60 Years - Dietrich KLIMETZEK , Petru T. STANCIOIU, Marius PARASCHIV	Tower Yarder Work Time and Productivity Study in Rhodope Mountains - Stanimir STOILOV	Ecological Corridor Science: a Review for Better Understanding of Their Applicability in Romania - Ancuța FEDORCA , Mihai FEDORCA, Georgeta IONESCU, Ovidiu IONESCU
12:30 - 12:50	Short-Term Dynamics of Red Wood Ants (<i>Formica</i> spp.) after Stand Replacing Disturbance - Marius PARASCHIV , Petru T. Stăncioiu, Mihai Daniel Niță, Dietrich KLIMETZEK	The Comparison of Check Dams in Romania and Spain in Areas with Torrential Phenomena - Ioan CLINCIU, Jose Luis GARCIA , Mihai NIȚĂ, M. BACESCU	The Success of Bear Relocation - Mihai FEDORCA , Ramon JURJ, Marius POPA, Ovidiu IONESCU, George SIRBU, Ancuța FEDORCA, Georgeta IONESCU
Lunch [Main Hall – Ground floor]			



14:00 - 14:20	The Potential of Common oak (<i>Quercus robur</i> L.) from Bosnian and Herzegovinian and Croatian Provenances through the Analysis of the Morphological Characteristics of One-Year Old Seedlings - Milan MATARUGA , Branislav CVJETKOVIĆ, Mladen IVANKOVIĆ, Miran LANŠČAK, Nikola PEĆANAC, Vanja DANIČIĆ	Extraction of Resinous Root Woods as an Alternative Source of Resin in Turkey - Abdullah Emin AKAY , İnanç TAŞ, Burhan GENÇAL, Ebru BİLİCİ	Recent Occurrence of the American Mink (<i>Neovison vison</i>) in the Central Romania - Dan Traian IONESCU , Călin HODOR, Marius DRUGĂ, Marina DRUGĂ
14:20 - 14:40	Male Fertility in Clonal Seed Orchard of Spheroid Scots Pine - Murat ALAN	Assessment of Firefighting Facilities and Roads Regarding with Fire-Resistant Forest Project (YARDOP) - Ebru BİLİCİ , Burhan GENÇAL, İnanç TAŞ, Abdullah Emin AKAY	Bear (<i>Ursus arctos</i>) Action Plan in Romania - Ovidiu IONESCU , Ramon JURJ, Mihai FEDORCA, Ancuța FEDORCA, Marius POPA, Alexandru GRIDAN, George SIRBU, Claudiu PASCA, Georgeta IONESCU
14:40 - 15:00	Hybridization in Oaks and Adaptation to Stressful Environments - Oliver GAILING	Productivity and Woodchip Quality of Different Forest Chippers Used in Wood Biomass Residues - Andrea Rosario PROTO , Salvatore PAPANDREA, Domenicantonio MILETO, Giuseppe ZIMBALATTI	Ecological Research on <i>Thimalus thimalus</i> in Romania - Ion CRISTEA
15:00 - 15:20	Hydraulic Traits of Aleppo Pine in Tunisian Forests - Mokhtar BARAKET, Bouthayna KRAIMA, Zouhair NASR	Specialization process for the Ecoengineering Sector in the Mediterranean Environment EcoMed - José-Luis GARCIA RODRÍGUEZ	The Approach of the Urban Wildlife County Iulia BACIU , Georgeta IONESCU, Alexandru GRIDAN, Mihai FEDORCA
15:20 - 15:40	Morphological Traits Variability and Effects of Accelerated Ageing on Germination of Seven Tunisian Populations of Holm Oak (<i>Quercus ilex</i>) Acorns - Nabil AMIMI, Hana GHOUIL, Youssef AMMARI	Discussion and concluding remarks	Morphological Aspects of Beaver (<i>Castor fiber</i>) in Romania - Alexandru GRIDAN , Mihai FEDORCA, Claudiu PASCA, Ancuța FEDORCA, Dieter SIMON
15:40 - 16:00	The Potential of Close-To-Nature Forestry in Romania - Gheorghe Florian BORLEA		Home Range, Daily and Seasonal Activity of Brown Bear (<i>Ursus arctos</i>) in South-Eastern Carpathians – A GPS/GSM Telemetry Study - Marius POPA , Ramon JURJ, Georgeta IONESCU, George SIRBU, Daniel VISAN, Marius SCURTU, Ilie POPESCU, Ancuța FEDORCA, Ovidiu IONESCU



16:00 - 16:30	Coffee Break / Poster Session [Room: Aula "Sergiu T. Chiriacescu" - Main Hall]		
16:30 - 16:50	Proposal of a Three-Step Water Management Paradigm for Multi-Purpose Forestry: The Case of Mountainous Halkidiki-Greece - Haris GANATSIOS , Lydia Maria PETALOUDI, Andreas OIKONOMOU		International Trade of CITES Listed Large Carnivores Species in Romania - Roxana CAZACU , Ion MIREA, Cezar SPĂTARU, Alexandru GRIDAN, Ovidiu IONESCU
16:50 - 17:10	An Analysis of Very Dry and Wet Month Occurrence Probability in the Growing Season for Brasov Area - Victor Dan PĂCURAR		Game Management WildPrint App - Cezar SPĂTARU , Mihai FEDORCA, Alexandru GRIDAN, Ancuța FEDORCA, Vlad IONESCU
17:10 - 17:30	Approaches to Promoting Land Products to Strengthen Family Farming and Biodiversity in TUNISIA - Lamia HAMROUNI , Ismail AMRI, Mohsen HANANA, Samia GARGOURI, Bassem JAMOSSI, Sonia BOUHACHEM		The Photo Traps, a Tool in Estimating the Density of Large Mammalian Populations - Ion MIREA , Roxana CAZACU, Ovidiu IONESCU, Adrian LORENT, Georgeta IONESCU
17:30 - 17:50	Discussion and concluding remarks		Eurasian Beaver (<i>Castor fiber</i>) Management in Romania. New Criteria Used in Habitat Selection - Claudiu PAȘCA , Georgeta IONESCU, Ovidiu IONESCU
17:50 - 18:00			Discussion and concluding remarks



Poster presentations

[Main Hall – 2nd floor]

No.	Name	Title of paper
1.	Mihaela-Cristina APETREI , Elena CIOCÎRLAN, Alexandru Lucian CURTU, Neculae ȘOFLETEA	Assessment of Genetic Diversity in Two <i>Carpinus</i> Species in Romania using Nuclear Markers
2.	Endijs BĀDERS , Edgars DUBROVSKIS, Guntars ŠŅEPSTS, Oskars KRISĀNS, Rolands KĀPOSTIŅŠ, Aris JANSONS	Resilience Norway Spruce Forests: Case Study in Latvia
3.	Cosmin BRAGĂ ; Lucian DINCĂ; Gheorghe GUIMAN, Aurelia ONEȚ, Vlad CRIȘAN, Gheorghe SPÂRCHEZ	The Relative Response at Short Time of Windthrow on Soil Carbon Dioxide Production
4.	Wojciech CHMIELEWSKI , Jakub LOFFLER, W. SZWED, P. RUTKOWSKI	Degeneration of Fertile Forest Habitats as a Result of Incorrect Management of Urban Forest Ecosystems
5.	Avram CICȘA, Gheorghe-Marian TUDORAN , Alexandru-Claudiu DOBRE, Victor-Vasile MIHĂILĂ, Robert-Georgian MIHAI, Ancuta-Mihaela MARGALINESCU, Corina-Ștefania FARCAȘ, Ioan COMĂNIȚĂ, Maria BOROEANU	Structure Models for Beech-Conifers Stands with Protection Functions
6.	Adrian Paul CIULIANU	Environment: Human Impacts, Resilient Projects
7.	Cristinel COSTANDACHE, Laurențiu POPOVICI , Radu VLAD, Tatiana BLAGA, Sanda NISTOR	Research on the Stability and Succession of Pine Forests on Degraded Lands from Forest Steppe
8.	Branislav CVJETKOVIĆ , Milan MATARUGA, Vasilije ISAJEV, Pero BALOTIĆ, Vanja DANIČIĆ	The Correlation of Norway Spruce Traits (<i>Picea abies</i> Karts.) in Nursery Conditions and Later on the Progeny Tests
9.	Ion DUBOVICH , Halyna LESIUK, Ihor SOLOVIY, Vitaliy SOLOVIY	Long Way from Government to Governance: Meta-Analysis of Ukrainian Forestry Reformation
10.	Igor ĐUKIĆ , Rade POPOVIĆ, Zoran NOVČIĆ	An Assessment Economic Cost of Wood Production in Poplar Plantations
11.	Vladislava GALOVIĆ , Saša Orlović, Bratislav MATOVIĆ, Sreten VASIĆ	Forest Genetic Resources of Marginal vs Peripheral Populations of Common Beech in Serbia
12.	Adrian INDREICA , M.TEODOSIU, Any-Mary PETRIȚAN, V. ODER, J. KASPER, E. BERGMEIER, C. LEUSCHNER, Oliver GAILING, S. HOHNWALD, H. WILDHAGEN, H. WALENTOWSKI	Nemoral Deciduous Forests under Climatic Extremes – Phytosociological Studies along Climatic Gradients in SW Romania



No.	Name	Title of paper
13.	Āris JANSONS , L. KĒNIŅA, Endijs BĀDERS, D. ELFERTS, Rolands KĀPOSTIŅŠ, I. DESAINE	Carbon Stock in Over-Mature Norway Spruce Stands and Factors Affecting It
14.	Marko KEBERT , Vanja VUKSANOVIĆ, Marina MARKOVIĆ, M. KATANIĆ, Saša ORLOVIĆ, J. STEFEL, L. DE KOK	Occurrence and Quantification of Sulfur and Nitrogen Compatible Solutes in Different Woody Plant Species
15.	Lazar KESIĆ , Bratislav MATOVIĆ, Srđan STOJNIĆ, Dejan STOJANOVIĆ, Saša ORLOVIĆ	Climate Response of Pedunculate Oak (<i>Quercus robur</i> L.) from Two Sites with Different Soils Types
16.	Ljubomir KLJAJIĆ , Saša ORLOVIĆ, Srđan STOJNIĆ, Andrej PILIPOVIĆ	Protection of Rights of Forest Tree Breeders Legal Framework and Current Status in Republic of Serbia
17.	Branislav KOVAČEVIĆ , Dušan IGIĆ	Effect of Early Preparation of Hardwood Cuttings Stored on Low Temperatures and Slope Exposure of Nursery Area on Survival of White Poplar Cutting
18.	Branislav KOVAČEVIĆ, Jovana KOVINCIC, Gordana TISMA, Vanja VUKSANOVIĆ , Marina KATANIC, Sasa ORLOVIC, Natasa NIKOLIC	Evaluation of White Poplar Genotypes' Lead Tolerance <i>In Vitro</i> – Comparison of Acidic and Standard Medium
19.	Jakub LÖFFLER , P. RUTKOWSKI, Wojciech CHMIELEWSKI	Forest Site Type as a Management Instrument for Forest Ecosystem
20.	Măriuca MARANGOCI, Elena CIOCÎRLAN, Alexandru-Lucian CURTU, Neculae ȘOFLETEA	Genetic Diversity of Black Pine in Romania: Comparison between Natural and Plantation Stand
21.	Mihaela MICLĂUȘ , Viorel N.B. BLUJDEA, Ioan DUTCĂ, Cătălin PETRIȚAN, Bogdan POPA	FORCLIMIT Project: Mobilizing and Monitoring Climate Positive Efforts in Forests and Forestry
22.	Georgeta MIHAI , Alexandru Lucian CURTU, Paula GARBACEA, Alin-Mădălin ALEXANDRU, Ionel MIRANCEA, Maria TEODOSIU	Genetic Variation and Inheritance of Bud Flushing in a Norway Spruce Seed Orchard Established in Romania
23.	Baraket MOKHTAR, Boutheina KRAIMA, Sondes FKIRI, Khaoula NEFZI, Walid JAOUADI, Zouhair NASR	Seasonal Variability of Gas Exchange Responses and Hydraulic Traits of Three Provenances of <i>Pinus halepensis</i> Mill.
24.	Lazar PAVLOVIĆ , Dejan STOJANOVIĆ, Saša ORLOVIĆ, Milena LAKIĆEVIĆ, Emina MLADENOVIĆ	Evaluation of Modeling Techniques in Potential Distribution of European Beech
25.	Any-Mary PETRIȚAN , Victor Vasile MIHĂILĂ, Cosmin BRAGĂ, Constantin DUMITRU-DOBRE, Vlad CRIȘAN, Monica BARTI, Ion Cătălin PETRIȚAN	Above- and Belowground Biomass and Carbon Content in a Beech-Silver Fir Mixed Virgin Forest
26.	Bojana PETROV , Saša ORLOVIĆ, Srđan STOJNIĆ, Martina ZORIĆ, Erna VASTAG, Leopold POLJAKOVIĆ-PAJNIK, Dejan B. STOJANOVIĆ	Remote Sensing and GIS as an Unavoidable Part of the Natural Resource Management and Forestry Data Analysis



No.	Name	Title of paper
27.	Andrej PILIPOVIĆ , Saša ORLOVIĆ, Saša PEKEČ, Milan DREKIĆ, Verica VASIĆ, Zoran GALIĆ	The Effect of Climate on Soil Respiration in Mixes Beech-Sessile Oak Stand at National Park Fruška Gora, Serbia
28.	Leopold POLJAKOVIĆ-PAJNIK , Milan DREKIĆ, Andrej PILIPOVIĆ, Nataša NIKOLIĆ, Dejan B. STOJANOVIC, Verica VASIĆ, Bojana PETROV	<i>Corythucha Arcuata</i> (Say) (Hemiptera, Tingidae) Distribution, Physiological Impact, Control and Possible Usage of UAV in Observation and Monitoring in Colonized Oak Forests in Vojvodina
29.	Leopold POLJAKOVIĆ-PAJNIK , Dejan V. STOJANOVIC, Milan DREKIĆ, Verica VASIĆ, Florian VARGA	Golden Twin-Spot Moth <i>Chrysodeixis Chalcites</i> New Pest of Paulownia sp. in Serbia
30.	Victor SFECLĂ , Irina SFECLĂ	The Orchids (<i>Orchidaceae</i> Juss.) of "Dobruša" Landscape Reserve
31.	Florentin SIMA , Arcadie CIUBOTARU, Mihnea CĂȚEANU	Structure Evaluation of Forests from Valea Luncavățului
32.	Dejan STOJANOVIC , Saša ORLOVIĆ, Lazar PAVLOVIĆ, Srđan STOJNIĆ	Utilization of Interactive Web GIS Tool for Provision of Climate Services
33.	Gheorghe-Marian TUDORAN , Avram CICȘA	Auxological Particularities in Fir Stands On-Going Transformation to Selection Forests
34.	Yurij TUNYTSYA	An Ecological Economic Criteria for Sustainable Forestry Development
35.	Vasic VERICA , Pap PREDRAG, Vasic SRETEN, Saša ORLOVIC	Application of Herbicides in Production of Black Pine Seedlings
36.	Diana VASILE , Virgil SCĂRLĂȚESCU, Raluca ENESCU, Vlad CRIȘAN, Emilia VECHIU, Simona COMAN, Aurelia ONEȚ	Monumental Trees from Forest and Non-Forest Habitats Located in the Central Part of Romania
37.	Erna VASTAG , Branislav KOVAČEVIĆ, Saša ORLOVIĆ, Mirjana BOJOVIĆ, Lazar KESIĆ, Bojana PETROV, Srđan STOJNIĆ	Inter- and Intra-Population Variation of Leaf Stomatal Traits of European Beech (<i>Fagus sylvatica</i> L.) Provenances
38.	YAROSHCHUK et al.	Common Features of the Morphological Structure of a Group of the Model Plant Species of Forest Ecosystems
39.	Ilka YONOVSKA	Development of Bulgaria's National Policy on the Production and Utilization of Forest Biomass
40.	Martina ZORIĆ , Saša ORLOVIĆ, Mitar SIMIĆ, Zdenka BABIĆ, Bojana PETROV, Marko KEBERT, Erna VASTAG	Forest Ecosystem Services: Air Voc Monitoring
41.	Andrei APĂFĂIAN , Valentina Doina CIOBANU, Cristian Mihai ENESCU	The Centenary of Forest Legislation in Romania
42.	Florin BOJA, Alin TEUSDEA, Dan VIDREAN, Mihai BRAD, Nicusor BOJA	The Impact of Mechanization Technologies on Soil and Roots Seedlings
43.	Stelian Alexandru BORZ	FORWARDER 2020: Smart Forwarder for Sustainable and Efficient Forest Operation and Management



No.	Name	Title of paper
44.	Marius CHEȚA , Nicolae TALAGAI	Workload Experienced by the Worker Evaluated in Motor-Manual Tree Felling and Processing Operations
45.	Rudolf Alexandru DERCZENI, Emilia Adela SALCĂ, Valentina Doina CIOBANU, Elena Camelia MUȘAT , Ioan BITIR	Research on establishing criteria for calculating the tax/road tolling for vehicles used for timber transport on forest roads
46.	Marius-Daniel IFTIME , Codrina PÂNTEA	The Old and the New in Work Health and Security for Silvic Exploitation
47.	Eugen IORDACHE , Vasileios DROSOS, Sarantis - Angelos LIAMPAS	Forest road network planning in Romania taking into consideration environmental impact
48.	Cătălin Cosmin MUNTEANU	An Overview of Timber Harvesting Operations Coordinated by the National Forest Administration - RNP ROMSILVA
49.	Nicolae TALAGAI, Marius CHEȚA, Alex Vincio GAVILANES MONTOYA, Danny D. CASTILLO VIZUETE, Stelian Alexandru Borz	Predicting Time Consumption of Chipping Tasks in a Willow Short Rotation Coppice from Global Positioning System and Acceleration Data
50.	Victor ȚÎȚEI , Ion ROȘCA, Ana GUȚU	The Biomass Quality of the Black Locust and Hybrid Poplar for Renewable Energy in Moldova
51.	Maria Magdalena VASILESCU , Cornel Cristian TEREȘNEU	Estimating the Volume of Lower Stem-Wood on Standing Beech Trees using Telemetry and Dendrometric Tables: A Comparison
52.	Radu VLAD, Gheorghe PEI , Cristian SIDOR, Alexandra ISPRAVNIC	Nondestructive Evaluation of Norway Spruce Standing Tree Quality
53.	Florin CAPALB, Cristian Mihai ENESCU	Which Game Birds from Romania do the Foreign Hunters Prefer?
54.	Cornel Cristian TEREȘNEU , Maria Magdalena VASILESCU	Research on the Influence of Orographic and Tree Stand Factors on the Precision of Planimetric Coordinates Determined using GPS Equipment in a Forest Environment

Wi-fi Network: Unitbv Guests

Password: unitbv2018