



Transilvania
University
of Brasov
FACULTY OF SILVICULTURE
AND FOREST ENGINEERING

12TH INTERNATIONAL SYMPOSIUM *FOREST AND SUSTAINABLE DEVELOPMENT*
BRAȘOV, ROMANIA, 15-16 OCTOBER 2026

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

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

15/10/2026	Conference Day 1 [AULA “Sergiu T. Chiriacescu”]
08:30 – 09:30	Registration [Main Hall – 1 st floor]
09:30 – 10:00	Opening session [Aula Magna] Moderator: Alexandru Lucian CURTU Ioan Vasile ABRUDAN – Rector of the Transilvania University of Brasov, Romania Representatives of partner institutions





15/10/2026	Conference Day 1 [AULA "Sergiu T. Chiriacescu"]
10:00 – 11:30	Plenary session [Aula Magna] Moderator: Tudor STĂNCIOIU
10:00 – 10:30	<i>Co-creating the First Strategic Research and Innovation Agenda (SRIA): Research and funding gaps and the way forward</i> Alex GIURCĂ, European Forest Institute (EFI)
10:30 – 11:00	<i>Forests on prescription: Evidence and prospects for public health, well-being, and forestry</i> Viliam PICHLER, Technical University in Zvolen, Slovakia
11:00 – 11:30	<i>Genomic approaches to study local adaptation in forest tree species</i> Oliver GAILING, Georg August University Goettingen, Germany
11:30 - 12:00	Coffee break [Main Hall – 1 st floor] and poster session [Main Hall – Ground floor]
12:00 – 13:00	Plenary session [Aula Magna] Moderator: Tudor STĂNCIOIU
12:00 – 12:30	<i>Precision forestry for sustainable development: Connecting digital innovation with forest stewardship</i> Maurizio ACUNA, Forest Research Institute, University of the Sunshine Coast, Australia
12:30 – 13:00	<i>Predictive performance and biological realism: Are there two modelling cultures in forest growth modelling?</i> Albert CICEU, Austrian Research Center for Forests (BFW), Vienna, Austria
13:00 - 14:00	Lunch [Main Hall – Ground floor]



15/10/2026	Conference Day 1 [AULA "Sergiu T. Chiriacescu"]
14:00 – 16:00	Parallel thematic sessions <i>Forest ecosystem management</i> [Room: Aula Magna] <i>Forest engineering</i> [Room: U I3] <i>Forest economics, policy and regulation</i> [Room: U I6] <i>Geomatics, informatics, modelling and statistics</i> [Room: U I7] Webinar: Forest Health in a Changing Climate: From increasing impacts of pests and diseases to assisted migration of tree species (ForestValue2 Innovating Forest – based bioeconomy) [Room: U I2]
16:00 - 16:30	Coffee break [Main Hall – 1 st floor] and poster session [Main Hall – Ground floor]
16:30 – 18:00	Parallel thematic sessions <i>Forest ecosystem management</i> [Room: Aula Magna] <i>Forest engineering</i> [Room: U I3] <i>Forest economics, policy and regulation</i> [Room: U I6] <i>Geomatics, informatics, modelling and statistics</i> [Room: U I7] Breakfast Club: Forest ecosystems, biodiversity and their well-being for human health (ForestValue2 Innovating Forest – based bioeconomy) [Room: U I2]
19:00	Official Dinner Hotel Aro Palace, ground floor
16/10/2026	Conference Day 2 – Field trip, departure at 09:00 in front of the Hotel ARO PALACE



15/10/2026	Forest ecosystem management [Room: Aula Magna] Moderator: Victor Adrian INDREICA
14:00 – 18:00	
14:00 – 14:15	<i>Assessing climate change impacts on recreational ecosystem services: The case of Pătrăuți Forest District</i> Cosmin COȘOFREȚ, Laura BOURIAUD, Olivier BOURIAUD, Ionuț BARNOAIEA
14:15 – 14:30	<i>Narrow-leaved ash (Fraxinus angustifolia Vahl.) in the Danube region – The question of sustainable regeneration</i> Branislav CVJETKOVIĆ, Milan MATARUGA, Libor JANKOVSKÝ, Tomáš ŽID, Petr MARTINEK, Jiří ROZSYPÁLEK, Vladan RIEDL, Katharina SCHWANDA, Gregor BOŽIČ, Saša BOGDAN, Srđan STOJNIĆ, Saša ORLOVIĆ
14:30 – 14:45	<i>Trap bias or forest type? Ethanol baiting matters more than forest management effects in a beech-silver fir forest in Romania</i> Ionuț-Marian DRAGOMIR, Gabriela ISAIA, Mihai-Leonard DUDUMAN, Ion Catalin PETRITAN
14:45 – 15:00	<i>Habitat gradients and the differentiation of saproxylic beetle communities in a Southern Carpathian beech–fir forest</i> Mihai-Leonard DUDUMAN, Gabriela ISAIA, Ionuț Marian DRAGOMIR, Ion Cătălin PETRIȚAN
15:00 – 15:15	<i>Do hemiboreal Norway spruce old-growth forest stands show similar old-growth characteristics to Carpathian old-growth forests?</i> Laura ȚENIȚA, Ion Catalin PETRITAN, Ieva JAUNSLAVIETE, Didzis ELFERTS
15:15 – 15:30	<i>Metapopulation-based design of ex situ conservation plantations for preserving evolutionary processes and genetic diversity: The case of Serbian spruce</i> Milan MATARUGA, Branislav CVJETKOVIĆ
15:30 – 15:45	<i>Democratizing soil data: Scaling up regional soil health assessment through the ECHO citizen science network</i> Ciprian PALAGHIANU, Ionuț BARNOAIEA, Alexei SAVIN, Cosmin COȘOFREȚ
15:45 – 16:00	<i>Influence of the production method of Quercus robur, Fagus sylvatica, Pinus sylvestris seedlings on the development of the root system of the seedlings after two years of growth in the crop as a potential in managing climate change</i> Karolina STASZEL-SZLACHTA, Mariusz KORMANEK, Jacek BANACH, Stanisław MAŁEK
16:00 – 16:30	Coffee break [Main Hall – 1 st floor] and poster session [Main Hall – Ground floor]



15/10/2026	Forest ecosystem management
14:00 – 18:00	[Room: Aula Magna] Moderator: Victor Adrian INDREICA
16:30 – 16:45	<i>Evaluating Douglas fir's provenances in Romania through multi-trait selection</i> Emanuel STOICA, Alin Madalin ALEXANDRU, Georgeta MIHAI, Virgil SCARLATESCU, Alexandru Lucian CURTU
16:45 – 17:00	<i>Phoretic mites associated with Ips typographus (Coleoptera: Scolytinae) in Romanian Norway spruce forests: Diversity and relationships with stand characteristics</i> Dragoş TOMA, Gabriela ISAIA, Minodora MANU, Carol Dieter SIMON, Ion Cătălin PETRIŢAN
17:00 – 17:15	<i>Structural characterization of even-aged beech stands as a basis for conversion to selection forest management</i> Adrian TUDORA, Şerban CHIVULESCU, Ştefan LECA, Elena MIHĂILĂ, Mihăiţă BÎTCĂ, Ovidiu BADEA
17:15 – 17:30	<i>The biological potential of edifying tree species from the Republic of Moldova green spaces in the context of environmental pressures and threats</i> Valeriu BRAŞOVEANU, Ala DONICA
17:30 – 17:45	<i>Urban semi-natural ecosystems - integrative and sustainable approaches in the context of environmental changes</i> Ala DONICA, Valeriu BRAŞOVEANU, Corina CERTAN
17:45 – 18:00	Final Remarks & Conclusions



15/10/2026	Forest engineering
14:00 – 18:00	[Room: U I 3] Moderator: Stelian Alexandru BORZ
14:00 – 14:15	<i>Assessment of optimal road spacing for fire prevention in forested areas</i> Samet BILA, Zennure UÇAR, Ebru BILICI, İnanç TAŞ, Halit BÜYÜKSAKALLI
14:15 – 14:30	<i>Performance of shallow and deep learning models in classifying mechanized pit drilling events based on GNSS input data</i> Victor Bogdan MITITELU, Lucian Mircea SASU, Gabriel Osei FORKUO, Andrea Rosario PROTO, Stelian Alexandru BORZ
14:30 – 14:45	<i>Application of UAV photogrammetry for the surveying and sustainable redevelopment of a peri-urban forest</i> Evripidis FARMAKIS, Konstantinos FARMAKIS, Vasileios K. DROSOS
14:45 – 15:00	<i>Applications of artificial intelligence in forest operations engineering research: A systematic review</i> Gabriel Osei FORKUO, Rodolfo PICCHIO, Andrea Rosario PROTO, Stelian Alexandru BORZ
15:00 – 15:15	<i>A GIS-based spatiotemporal analysis of wildfire dynamics: The Mediterranean region in Turkey</i> Muhittin İNAN, Mehmet Altuğ KÜÇÜKOSMANOĞLU
15:15 – 15:30	<i>Economics of poplar forest establishment operations: Exploring the effects of plot geometry, planting scheme and machine type to optimize the management practices</i> Victor Bogdan MITITELU, Andrea Rosario PROTO, Stelian Alexandru BORZ
15:30 – 15:45	<i>Wood measurement at the factory gate: A comparison study to evaluate the accuracy of a state-of-the-art digital truckload measurement system</i> Mirella ELIAS, Stelian Alexandru BORZ
15:45 – 16:00	<i>Accuracy and time efficiency of a new app developed to source and map single tree data: A comparison to state-of-art lidar data collectors in terms of basal area estimates</i> Jenny Magaly MOROCHO TOAZA, Gianni PICCHI, Carla NATI, Stelian Alexandru BORZ
16:00 – 16:30	Coffee break [Main Hall – 1st floor] and poster session [Main Hall – Ground floor]



15/10/2026	Forest engineering [Room: U I 3]
14:00 – 18:00	Moderator: Stelian Alexandru BORZ
16:30 – 16:45	<i>An overview of the efficiency of machinery used in extraction operations in Türkiye</i> Tolga OZTURK
16:45 – 17:00	<i>Dynamics of cognitive load, mental demand, and adaptation to repeated exposure in a virtual reality forest simulator</i> Ana Alexandra REYES ROBALINO, Stelian Alexandru BORZ
17:00 – 17:15	<i>Application of Kroth method in the field of environmentally sustainable planning and development of the forest opening-up in Greece</i> Ioannis SISMANIDIS, Evripidis FARMAKIS, Konstantinos FARMAKIS, Vasileios C. DROSOS
17:15 – 17:30	<i>Digital identity: DPPs from single log to sawmill</i> Lukas STOPFER
17:30 – 18:00	Final Remarks & Conclusions



15/10/2026	Forest economics, policy and regulation [Room: U I 6]
14:00 – 18:00	Moderator: Bogdan POPA
14:00 – 14:15	<i>From EU forest strategy to national law: a comparative analysis of key concept integration in European forest acts</i> Liviu NICHIFOREL, Valeriu-Norocel NICOLESCU, Bogdan POPA
14:15 – 14:30	<i>Translating the EU forest strategy for 2030 into National forest policy: A strategic analysis of implementation opportunities and challenges in Romania</i> Nicolae TALPĂ, Liviu NICHIFOREL, Aureliu-Florin HĂLĂLIȘAN, Bogdan POPA
14:30 – 14:45	<i>Navigating prospects of harmonising forestry laws and policies in the East African region</i> Erick O. OSEWE, Ibrahim OSEWE, Bogdan POPA, Ioan Vasile ABRUDAN
14:45 – 15:00	<i>Beyond ownership restoration: The evolution of non-state forest owner agency in Romania</i> Mihai-Ionut HAPA, Mirabela MARIN, Nicu Constantin TUDOSE, Cezar UNGUREAN, Bogdan POPA
15:00 – 15:15	<i>Assessment of the perception and acceptability of local level stakeholders on rewilding options in five European case studies</i> Laura BOURIAUD, Liviu NICHIFOREL, Dorin PĂLIE, Ionut BALABAȘCIUC
15:15 – 15:30	<i>Understanding climate adaptation through qualitative interaction analysis: Evidence from Romanian forest practitioner</i> Mihai-Ionut HAPA, Mirabela MARIN, Nicu Constantin TUDOSE, Cezar UNGUREAN, Bogdan POPA
15:30 – 15:45	<i>Forest restoration decision support system for Republic of Moldova</i> Liviu NICHIFOREL, Ionuț BARNOAIEA, Ciprian PALAGHIANU, Vasile-Cosmin COȘOFREȚ, Emilian STOICA, Bogdan POPA
15:45 – 16:00	<i>Forest Stewardship Council Forest Certification Impacts – The case of Lithuania</i> Julija KONSTANTINAVICIENE, Aidas PIVORIUNAS, Benas ŠILINSKAS
16:00 – 16:30	Coffee break [Main Hall – 1 st floor] and poster session [Main Hall – Ground floor]



15/10/2026	Forest economics, policy and regulation [Room: U I 6]
14:00 – 18:00	Moderator: Bogdan POPA
16:30 – 16:45	<i>Forest certification for sustainable forest management and rural livelihoods: Evidence from Rwanda</i> Emelyne Ineza KAYISIRE, Aureliu Florin HĂLĂLIȘAN
16:45 – 17:00	<i>Assessing and mitigating systemic risks: Personal protective equipment deficits and fatal accidents in Romanian forests</i> Alexandra POPA
17:00 – 17:15	<i>Coping mechanisms of rural households to shocks: The role of socio-economic determinants and strategies in Kakamega Forest, Kenya</i> Ibrahim OSEWE, Bogdan POPA
17:15 – 17:30	<i>Is a forest-based bioeconomy a viable option for Guyana?</i> Lewis RAWLE
17:30 – 17:45	<i>Local development programs for viable and sustainable development of mountainous area</i> Konstantinos FARMAKIS, Evripidis FARMAKIS, Nikolaos KARAGIORAS, Vasileios C. DROSOS
17:45 – 18:00	Final Remarks & Conclusions



15/10/2026	Forest geomatics and artificial intelligence [Room: U 17] Moderator: Mihai Daniel NIȚĂ
14:00 – 18:00	
14:00 – 14:15	<i>Quantifying forest structural dynamics through Integration of remote sensing and field-based methods</i> Samira ALHASSAN, Dhananjana RAJAKARUNA, Adrian INDREICA, Petru Tudor STĂNCIOIU, Mihai Daniel NIȚĂ
14:15 – 14:30	<i>Combining terrestrial inventory and remote-sensing to assess forest dynamics in set aside areas – Vanatori Neamt Natural Park</i> Ionut BARNOAIEA, Cosmin COSOFREȚ, Gabriel DUDUMAN, Liviu NICHIFOREL
14:30 – 14:45	<i>Mapping forest structure at regional scales with open access, multi-sensor data, machine learning algorithms and convolutional neural networks</i> Mihnea CĂȚEANU
14:45 – 15:00	<i>Comparative assessment of drought effects on broadleaved and coniferous forests using Sentinel-2 and ERA5-Land data in Cluj County, Romania</i> Iulia COROIAN, Diana FICIOR, Luisa ANDRONIE, Rodica SOBOLU
15:00 – 15:15	<i>Digital twin of Săcele – An interactive tool to assess the risks in case of extreme events</i> Iuliana Adriana CUIBAC PICU, Iuliana Maria PÂRVU, Adrian PÂRVU, Nicoleta PÂRVULESCU, Ioana CORNEANU
15:15 – 15:30	<i>Linking rainfall structure and atmospheric conditions to rainfall erosivity: An event-based framework for forest hydrology in tropical regions</i> Jorge DIAZ-SUAREZ, Victor Dan PĂCURAR, Mihai Daniel NIȚĂ
15:30 – 15:45	<i>Using ALS pointcloud for deriving different canopy characteristics</i> Sergiu FLOREA, Mihai Daniel NIȚĂ
15:45 – 16:00	<i>Fine-grained tree species recognition using taxonomy-aware embedding separation</i> Mohamed Islam KESKES, Mihai Daniel NIȚĂ
16:00 – 16:30	Coffee break [Main Hall – 1 st floor] and poster session [Main Hall – Ground floor]



15/10/2026	Forest geomatics and artificial intelligence [Room: U I 7]
14:00 – 18:00	Moderator: Mihai Daniel NIȚĂ
16:30 – 16:45	<i>Romania's first national high-resolution map of forest tree species via deep learning</i> Mohamed Islam KESKES, Mihai Daniel Niță
16:45 – 17:00	<i>Evaluating LAI estimation accuracy across forest development stages in mountainous forests using hemispherical photography, satellite data, and deep learning</i> Aya Hamed MOHAMED, Petru Tudor STĂNCIOIU, Mihai Daniel NIȚĂ
17:00 – 17:15	<i>Site-specific calibration of TMS-4 soil moisture sensors in contrasting forest stands of the Postăvaru Mountain, Romania</i> Dhananjana RAJAKARUNA, Samira ALHASSAN, Valentin BALAN, Raluca ENESCU, Petru Tudor STĂNCIOIU, Mihai Daniel NIȚĂ
17:15 – 17:30	<i>Establishing the real-time kinematic positioning accuracy of the Global Navigation Satellite System under forest canopy</i> Alice-Elena TEȘILEANU, Mihnea CĂȚEANU, Larisa-Ștefania BURTEA
17:30 – 18:00	Final Remarks & Conclusions



Poster Presentations

No.	Title	Authors
Forest ecosystem management		
1.1.	Long-term assessment of forest health in the peri-urban forests of Bucharest, Romania	Alina ALEXANDRU, Mihnea CIOCÎRLAN, Flavius BĂLĂCENOIU
1.2.	A Geometridae outbreak in a peri-urban forest: Defoliation patterns and factors influencing tree vulnerability	Cosmin ROTARU, Dragoș TOMA, Alina ALEXANDRU, Mihnea CIOCÂRLAN, Flavius BĂLĂCENOIU
1.3.	Growth and drought responses of four oak species in central Transylvania (Romania)	Florin-Alexandru BERAR, Any-Mary PETRIȚAN, Ion Catalin PETRIȚAN
1.4.	Projected changes in the spatial distribution of European beech height growth potential in Romania	Emanuel BESLIU, Marius BUDEANU, Alexandru Lucian CURTU
1.5.	Preliminary results on the impact of climate change and water deficit on forest sites and forest vegetation status in the Ialomița River floodplain	Mihăiță BÎTCĂ, Dorina DRĂGAN, Adrian TUDORA, Elena MIHĂILĂ, Gabriel DUDUMAN
1.6.	Strategies and challenges in the containment of <i>Tomicus destruens</i> in Mediterranean pine forests	Matteo BRACALINI, Lorenzo TAGLIAFERRI, Tiziana PANZAVOLTA
1.7.	Dendrochronological evidence of gradual growth release in <i>Taxus baccata</i> L. following shelterwood (progressive) cuttings in a stand of management unit 2 Frumoasa, Tazlău Forest District (Eastern Carpathians, Romania)	Constantin BUDESCU, Marian TRISCIUC, Florin ISVORANU, Ionuț BALABASCIUC
1.8.	Genotype-specific in vitro initiation of downy oak (<i>Quercus pubescens</i> Willd.) for climate-resilient forest restoration	Tatiana CĂLUGĂRU-SPĂTARU, Svetlana SMEREA, Tatiana DELEAN, Alexandru DASCALIUC, Petru CUZA



No.	Title	Authors
1.9.	A decision support tool for adapting Romanian forests to climate change	Albert CICEU, Flavius BĂLĂCENOIU
1.10.	Sphagnum moss response to elevated nutrient availability in hydroponic culture	Radosław CICHOSZ, Michał JASIŁ, Stanisław MAŁEK
1.11.	Assessing ecological recovery of check-dam-regulated torrential valleys using a protected species as an ecological reference: a case study of <i>Tozzia alpina</i>	Maria CICIȘA, Adrian INDREICA
1.12.	Fruit production intensity drives earlier leaf senescence in European beech	Mihnea-Ioan-Cezar CIOCÎRLAN, Elena CIOCÎRLAN, Alexandru Lucian CURTU
1.13.	Structural diversity of natural forests in the Ciucaș Mountains	Aurel CIORIIA, Gheorghe Marian TUDORAN
1.14.	Comparative stem form and height growth of hybrid poplar clones AF8 and Pannonia in short-rotation woody crops: a case study from the Suceava Plateau (NE Romania)	Iulian-Constantin DĂNILĂ, Daniel AVĂCĂRIȚEI, Gabriel DUDUMAN, Mihai-Leonard DUDUMAN, Vlăduț-Maricel HAZI
1.15.	Mapping the cultural ecosystem services provided by urban forests using public participation. Case study Băneasa Forest, Romania	Dumitru-Mircea DUȘCU, Geta RÎȘNOVEANU
1.16.	Survival of Siberian elm (<i>Ulmus pumila</i> L.) and green ash (<i>Fraxinus pennsylvanica</i> Marshall) after two growing seasons in an agroforestry system established in southern Romania	Cristian Mihai ENESCU
1.17.	Forest operating in semi mountainous Greek (Mediterranean) conditions and environment	Evripidis FARMAKIS, Konstantinos FARMAKIS, Vasileios C. DROSOS
1.18.	Advancement in seed collection timing for three European tree species: <i>Abies alba</i>, <i>Larix decidua</i> and <i>Tilia cordata</i>	Paula GARBACEA, Emanuel STOICA, Alin-Madalin ALEXANDRU, Georgeta MIHAI, Katri HIMANEN, Heino KONRAD
1.19.	Rapid molecular identification of <i>Tomicus destruens</i>: A new tool for forest biosecurity	Giulia P.S. GRAHAM, Edson BOLIGE, Alice DOWNES, Lorenzo TAGLIAFERRI, Domenico RIZZO, Tiziana PANZAVOLTA, Matteo BRACALINI



No.	Title	Authors
1.20.	Forest growth patterns in Orhei National Park	Vladislav GRATI, Cătălin-Constantin ROIBU, Mihail CÎRLIG, Ion COVRIGHIN
1.21.	Structural optimization of recreational forests in the Postăvarul Massif by integrating social perspectives	Adrian Stefan IRIMIN, Avram CICSA, Gheorghe Marian TUDORAN
1.22.	Height-diameter relationship in old-growth spruce forest in Romania	Laura ȚĂNIȚĂ, Ion Catalin PETRITAN, Ieva JAUNSLAVIETE, ELferts DIDZIS
1.23.	Structural variability of mature <i>Quercus pedunculiflora</i> stands in the Romanian forest-steppe	Constantin-Cosmin LOGHIN, Bogdan-Ionut PLEȘCA, Nicolae Ovidiu BADEA
1.24.	Productivity aspects of forest ecosystems in the Bârgău Mountains according to habitat types within the established forest sampling network	Valentin LUPȘAN, Maria Magdalena VASILESCU
1.25.	Interactive activity for managing the risk of falling trees in the Brasov urban area	Mirabela MARIN, Nicu Constantin TUDOSE, Mihai-Ionut HAPA, Cezar UNGUREAN, Alin Lucian MIHALACHE
1.26.	Urban tree inventory for risk assessment in an urban area	Mirabela MARIN, Nicu Constantin TUDOSE, Mihai-Ionut HAPA, Cezar UNGUREAN, Alin Lucian MIHALACHE, Danut CHIRA, Andy POPA, Radu NAN, Tibor SERBAN, Boglarka OPRA, Alexandru ZAHARIA
1.27.	Can citizen science enable transformative change in forests? A case study on active participation in environmental compliance in forestry	Mirabela MARIN, Nicu Constantin TUDOSE, Ionut Mihai HAPA, Cezar UNGUREAN, Florentina NANU, Ciprian NANU
1.28.	BIOFORMA – Adaptive management of mountain Norway spruce forests under climate change	Any-Mary PETRITAN, Raul Gheorghe RADU, Ștefan PETREA, Gabriel LAZAR, Dănuț CHIRA, Marius PARASCHIV, Mirabela MARIN, Constantin DUMITRU-DOBRE, Gruiță IENĂȘOIU
1.29.	The transition vegetation zones from the Curvature Subcarpathians – The vegetation study from Odobești Hill	Bogdan-Ionuț PLEȘCA, Irina IRIMIA, Constantin Cosmin LOGHIN, Ioana-Maria PLEȘCA
1.30.	Optimizing monitoring strategies for <i>Lamprodila festiva</i> L. (Buprestidae, Coleoptera): Insights from a two-year field study	Dragoș TOMA, Ștefania TÖTÖS, Iuliana VASIAN, Flavius BĂLĂCENOIU



No.	Title	Authors
1.31.	A genome-wide association analysis in natural European beech populations reveals genomic regions potentially involved in climate adaptation	Mila TOST , Markus MÜLLER, Ourania GRIGORIADOU-ZORMPA, Selina WILHELM, Mehdi BEN TARGEM, Henning WILDHAGEN, Alexandru Lucian CURTU, Timothy BEISSINGER, Oliver GAILING
1.32.	Diversity of Ericaceae in the Northern Eastern Carpathian, from forest bioindicators to glacial relicts	Marian TRISCIUC , Constantin BUDESCU, Elena CIOCÎRLAN
1.33.	Comparison of plant species diversity from herbaceous layer in four virgin and four managed spruce and mixed beech forests from Romania	Diana VASILE , Gabriel LAZĂR, Alexandra ȘTEFAN, Virgil SCĂRLĂTESCU, Constantin DUMITRU-DOBRE, Gruică IENĂȘOIU, Any-Mary PETRIȚAN
Wildlife management		
2.1.	Biometric characterization of the stone marten (<i>Martes foina</i>) in selected areas of the lesser Poland Voivodeship, Southern Poland	Katarzyna CICHOSZ , Piotr DZIEKAN, Anna GIERA, Radosław CICHOSZ, Marek WAJDZIK
2.2.	Preliminary results on the analysis of the ecological and social impact of the reintroduction of bison (<i>Bison bonasus</i> Linnaeus, 1758) into the Vânători-Neamț Natural Park	Călin CORLECIUC , Gabriel DUDUMAN
2.3.	Carrying capacity of white-tailed deer and cattle with regenerative grazing in Mexico	Carlos Daniel NIEVES PRADO , Genaro OLMOS OROPEZA, Juan Antonio ENCINA DOMÍNGUEZ, Jorge PALACIO NÚÑEZ, Saúl Ugalde LEZAMA, Jorge Luis CASTRELLÓN MONTELONGO, Luis Antonio TARANGO ARÁMBULA
Forest engineering		
3.1.	Site planning and design of a forest recreation area with outdoor recreation facilities and landscape improvements	Dimitra ALEXIOU , Evripidis FARMAKIS, Konstantinos FARMAKIS, Vasileios K. DROSOS
3.2.	Integrating forest operations into landscape-level planning: A GIS-AHP approach	Aurora BONAUDO , Francesco LATTERINI, Rodolfo PICCHIO, Rachele VENANZI, Luca COZZOLINO, Stelian Alexandru BORZ, Eugenia PAUSELLI, Angela LO MONACO
3.3.	Estimating the conversion factors for solid wood based on smartphone LiDAR in Thailand: A case study of high-value teak log piles in Thailand	Stelian Alexandru BORZ , Gabriel Osei FORKUO, Tomi KAAKKURIVAARA, Nopparat KAAKKURIVAARA



No.	Title	Authors
3.4.	Timber losses associated with felling notch formation in a spruce stand affected by windthrow	Mihai CIOCIRLAN , Vasile Razvan CAMPU
3.5.	Design of a modular wooden bridge to support sustainable forest operations	Rudolf Alexandru DERCZENI , Gheorghe IGNEA, Marina Viorela MARCU, Eugen IORDACHE, Cezar SCRIBA, Stelian Alexandru BORZ
3.6.	Three-dimensional (3D) surveying of a forest trail using modern methods	Vasileios K. DROSOS , Evangelia POURNARA, Vasileios GIANNOULAS, Evripidis FARMAKIS, Konstantinos FARMAKIS
3.7.	The influence of forest roads on tree development – A short review	Diana Elena DUMITRU , Elena Camelia MUŞAT
3.8.	Postural classification by image embedding and transfer learning	Gabriel Osei FORKUO , Stelian Alexandru BORZ, Tomi KAAKKURIVAARA, Nopparat KAAKKURIVAARA
3.9.	Human and machine reliability in postural assessment of forest operations by OWAS method: Level of agreement and time resources	Gabriel Osei FORKUO , Marina Viorela MARCU, Nopparat KAAKKURIVAARA, Tomi KAAKKURIVAARA, Stelian Alexandru BORZ
3.10.	Hydrodynamic modelling of flow wave propagation through energy dissipation systems	Alin Lucian MIHALACHE , Nicu Constantin TUDOSE, Mirabela MARIN, Cezar UNGUREAN, Valentina AGA, Raul RADU, Maria Ilinca CHEVERESAN, Mihai STANCU, Nicoleta POPESCU
3.11.	Documenting the harvesting conditions in Romanian hybrid poplar forests: A study to characterize key input variables for economic, social and environmental assessment	Victor Bogdan MITITELU, Ilie Silvestru NUŢĂ, Marina Viorela MARCU , Eugen IORDACHE, Stelian Alexandru BORZ
3.12.	Bark – The shield of pine trees against forest fires	Ioan-Aurelian MITROFAN , Beata BORS, Elena-Camelia MUSAT
3.13.	Dimensional characteristics of 1-year-old willow rods from short-rotation coppices	George MUŞAT , Emilia-Adela MANEA SALCA
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