

4th International Conference
REFORESTATION CHALLENGES

CONFERENCE PROGRAM



Belgrade, Serbia
20-22 June 2018



University of Belgrade
Faculty of Forestry



19.06.2018. Faculty of Forestry – Entrance Hall

19:00-21:00 - Welcome reception



20.06.2018. Faculty of Forestry – Session Room

Registration desk is open at 8:00

9:00	OPENING CEREMONY
10:30	COFFEE BREAK

Session 1: Moderators: Antonio Montagnoli, Mirjana Šijačić-Nikolić	
11:00	KEYNOTE TALK: R Kasten Dumroese: Changing climate, changing challenges, changing reforestation practices
12:00	Chmura DJ, Guzicka M, Rożkowski R: Tree improvement may contribute to increased carbon accumulation in forest standing biomass
12:20	Bhojvaid PP: Challenges in reforestation with native species in restored sodic soils: Application of basic and applied research results in Haryana India
12:40	Bilir N: Morphology in seed orchard and seed stand seedlings of Brutian Pine (<i>Pinus brutia</i> Ten.)
13:00	Aleksić JM, Ivetić V: Serbian spruce conservation - current status and prospects for the future
13:20	LUNCH BREAK



Faculty of Forestry - Session Room

Session 2: Moderators: Marianthi Tsakalidimi, R Kasten Dumroese	
15:00	KEYNOTE TALK: Diane Haase: The role of nursery production in global forest restoration efforts
16:00	Bilir N, Cetinkaya D: Variation of morphology and quality in 1+0 year containerized and bare-root seedlings of Taurus cedar (<i>Cedrus libani</i>)
16:20	Verhoef N, Wallin E, Gräns D, Roelofsen C, Jacobs DF, Lindström A: The use of molecular diagnostics to improve the quality of forestry seedlings
16:40	Mariotti B, Martini S, Raddi S, Maltoni A, Oliet J, Jacobs DF, Tani A: The effectiveness of coconut substrate and fertilization regimes during nursery culture and post-transplant response in three <i>Quercus</i> species
17:00 COFFEE BREAK	
17:30	Cvjetković B, Mataruga S, Djurić G, Bumbić-Damjanović S: Substrate influence on the quality of seedlings of ornamental trees produced in pots
17:50	Aldrete A: Changes in Forest Nursery Seedling Production in the XXI Century in Mexico
18:10	Durło G, Jagiełło-Leńczuk K, Kormanek M, Małek S, Banach J: Visualization and quantification of peat substrate moisture by fully automated moisture controlling system (SMCS) in forest container nursery
18:30	Małek S, Bierowiec K, Przybytek M, Dudek K, Kormanek M, Banach J, Durło G, Jagiełło-Leńczuk K: New ranges of optimal concentrations of selected macro-elements for Scots pine, Norway spruce, European beech and English oak seedlings produced at the container nurseries
18:50 POSTER SESSION (all posters will be displayed during the conference)	

21.06.2018. Faculty of Forestry – Session Room

Session 3: Moderators: Diane Haase, Vladan Ivetić	
9:00	KEYNOTE TALK: Donato Chiatante: Target Reforestation: preparation of high-quality seedlings through root manipulation and LED spectra treatments
10:00	Aggangan NS: Screening mycorrhizal fungi indigenous in mine tailings for the rehabilitation of mined-out areas in the Philippines
10:20	Krstić M, Cvjetičanin R, Kanjevac B, Babić V, Milenković M, Ivanović N: Characteristics of artificial regeneration with seed sowing in sessile oak forests
10:40	Fodor E, Hâruța O, Dorog S: Nurse plants and the regeneration niche of tree seedlings in wood-pastures from North-Western Transylvania
11:00 COFFEE BREAK	

Session 3	
11:30	Neimane S, Lazdiņa D, Celma S, Dūmiņš K, Štāls T: Establishment success of <i>Betula pendula</i> , <i>Alnus glutinosa</i> , <i>Populus</i> spp. and <i>Pinus sylvestris</i> tree species in different micro-locations of a drained peatland after afforestation and the effects of wood ash use as fertilizer
11:50	Krstić M, Nikolić B, Kanjevac B, Babić V, Ivanović N: A contribution to the site defining of deforested surfaces and selection of the appropriate tree species for biomeliorations
12:10	Celma S, Lazdiņa D, Done G, Dūmiņš K, Neimane S: Reoccurring deer browsing damage patterns in young <i>Pinus sylvestris</i> stands
12:30	Ćirković-Mitrović T, Brašanac-Bosanac Lj, Jokanović D, Stanković D, Nikolić V, Vilotić D: Afforestation trend in Republic of Serbia
12:50	LUNCH BREAK

Session 4: Moderators: Nebi Bilir, Cornelia Hernea	
15:00	KEYNOTE TALK: Nelson Thiffault: Plantation silviculture in eastern Canada in a changing world
16:00	Sarić R, Danilović M, Antonić S: Evaluation of hexagonal tree planting in poplar plantations
16:20	Nicolescu VN, Hernea C, Sandi V: Alley cropping with strawberries: Two case-studies in Romania
16:40	Sarić R, Danilović M, Ćirović V, Vojvodić P: Weed control by glyphosphate in poplar plantations
17:00	COFFEE BREAK

Session 5: Moderators: Nebi Bilir, Cornelia Hernea	
17:30	Govender P: Country report: Seedling establishment pests of <i>Acacia mearnsii</i> De Wild. (Mimosaceae) in South Africa
17:50	Vemić A, Milenković I: Occurrence of ash dieback fungus in different common ash plantings in Montenegro
18:10	Echeverri-Molina D, Govender P: Growth response of <i>Eucalyptus grandis</i> and <i>Acacia mearnsii</i> plantation trees in South Africa to prophylactic insecticide application against whitegrub (Coleoptera: Scarabaeidae) pests

18:30	POSTER SESSION
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22.06.2018. Faculty of Forestry – Session Room

Session 6: Moderators: Barbara Mariotti, Nelson Thiffault	
9:00	KEYNOTE TALK: Steven Grossnickle: Seedling establishment to forest stand: The perilous journey
10:00	Ivetić V: Seedling Forensics: How to determine the reasons of reforestation failure?

Faculty of Forestry – Workshop Room

10:30	ROUND TABLE: The best ways of cooperation in research related to reforestation issues
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Faculty of Forestry – Session Room

11:30	Conference closing and conclusions
12:00	COFFEE BREAK AND SNACKS

12:30	SIGHTSEEING OF BELGRADE
16:00	CLOSING EVENT <ul style="list-style-type: none">- LUNCH- AWARDS FOR THE BEST PRESENTATIONS- TOMBOLA

SCIENTIFIC COMMITTEE

- ✓ Vladan Ivetić, Serbia
- ✓ Steven Grossnickle, Canada
- ✓ Dag Lindgren, Sweden
- ✓ Dana Dina Kolevska, FYRM
- ✓ Marianthi Tsakalidimi, Greece
- ✓ Nicholas McCarthy, Ireland
- ✓ Jacek Banach, Poland
- ✓ Nebi Bilir, Turkey
- ✓ Nelson Thiffault, Canada
- ✓ Diane Haase, USA
- ✓ Dragica Vilotić, Serbia
- ✓ Mirjana Šijačić-Nikolić, Serbia
- ✓ Timo Saksa, Finland
- ✓ Vladan Popović, Serbia
- ✓ Aleksandar Lučić, Serbia
- ✓ Cornelia Hernea, Romania

ORGANIZING COMMITTEE

- ✓ Jovana Devetaković, Serbia
- ✓ Marina Nonić, Serbia
- ✓ Dušan Jokanović, Serbia
- ✓ Tatjana Ćirković-Mitrović, Serbia
- ✓ Vladan Popović, Serbia
- ✓ Zoran Maksimović, Serbia
- ✓ Dragica Stanković, Serbia
- ✓ Ivona Kerkez, Serbia
- ✓ Dolores Pavlović, Serbia



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POSTER PRESENTATIONS

1. Cheng R, Shen Y: The fine root dynamics of *Pinus massoniana* plantations as affected by understory vegetation removal and thinning
2. Doncheva N: Experience from riparian forests restoration projects in Bulgaria
3. Bilir N, Yazici N, Özel HB: Examination of Taurus cedar (*Cedrus libani*) afforestation in Isparta Province of Turkey
4. Kolevska DD, Trajkov P, Maletic V, Velickovska S: Results of application of Superabsorbent Zeba™ on field survival of containerized Austrian pine (*Pinus nigra* Arn.) seedlings in Macedonia
5. Sharma SK: Backyard plantation - A major contributor towards social forestry in North-east India
6. Aggangan NS, Anarna JA, Cortes AD: Microbial inoculated plants to bring back green cover and live soil environment in barren mine tailings
7. Popović V, Rakonjac Lj, Lučić A: Morphological characteristics as quality indicators of one-year-old seedlings of Hungarian oak (*Quercus frainetto* Ten)
8. Lindgren D, Ivetić Vladan, Laestadius L: The world needs more planted forest!!
9. Muritala KM, Akpan-Ebe IN: Reforesting the depleted forest estates of Akwa Ibom State Nigeria (Current review 2017)
10. Nanfumba D, Ojok T, Bampa PN, Sekitto I, Adrale D, Wanume B, Nabukenya MS, Asaba P, Sebwato S: Public Private Partnership, a requirement for operationalization of the Conditional Participation driven Agro-Forestry Reforestation Model (CPAF-Model) on small holder farms
11. Shukla SD, Tiwari DN, Tomar A, Srivastav A: Bamboo in rebuilding rural livelihood- A new approach in Vindhyan Region of India
12. Aggangan RT, Cabangon RJ, Aggangan NS: Bamboos as better alternative reforestation species in the Philippines
13. Srivastav A, Tomar A: Approaches for planning and management of national afforestation programmes in Uttar Pradesh, India
14. Li Jiang: Enrichment planting in monoculture rubber plantations: an approach to gradually restore tropical forests
15. Milenkova A: Coniferous plantations in the Osogovo, South West Bulgaria
16. Victory E, Olayemi BD, Adeyeye AT: Change in forest cover, Stubb's Creek Forest Reserve Akwa Ibom State, Nigeria
17. Sambou A, Ndiaye O, Goudiaby A: Germination and growth response of *Moringa oleifera* Lam, *Acacia mellifera* and *Zizyphus mauritiana* seedling to different substrates
18. Akande SO: Climate change impacts, adaptive capacity of African forest ecosystems and livelihoods

19. Marianthi T, Panagiota G, Petros G: Updated fertilization programs and shading to accelerate *Pinus nigra* seedlings' nursery growth
20. Thiffault N, Hoepfing M, Fera J, Lussier JM, Larocque GR: Growth and yield results in a 60-year-old red pine plantation established in widely different initial spacings and managed by commercial thinning
21. Tourvas N, Aravanopoulos F: Genetic aspects of reforestation practices for the maximization of forest ecosystem resilience
22. Kormanek M, Małek S, Banach J, Durło G, Jagiełło-Leńczuk K: Seasonal change in the physical and mechanical parameters of the nursery substrate in the Hiko V-120 containers
23. Banach J, Moźdzysłowski B, Fischer M, Małek S, Kormanek M, Durło G: The size and structure of the root system of Norway spruce, Scots pine, European beech and pedunculate oak seedlings growing in Hiko containers
24. Novikov A: Biometric features of Scots pine in the Voronezh nursery by size grading seeds
25. Nonić M, Devetaković J, Prokić B, Ivetić V, Šijačić-Nikolić M: Influence of acorn size on development of one-year-old English oak (*Quercus robur* L.) seedlings
26. Giannetti F, Martini S, Raddi S, Maltoni A, Tani A, Gherardo C, Davide T, Mariotti B: Is it possible monitoring plant physiological condition with a near infrared consumer digital camera in forest nursery stock?
27. Kecman M, Devetaković J, Maksimović Z, Ivetić V, Šijačić-Nikolić M: Forest restoration in natural protected area "Veliko ratno ostrvo"
28. Golubović Čurguz V, Karličić V, Raičević V: Influence of soil conditions on germination of seed of *Pinus sylvestris*
29. Ivetić V, Denić I, Devetaković J: Variability of European beech husks and nuts in Serbia
30. Kerkez I, Nonić M, Devetaković J, Šijačić-Nikolić M, Ivetić V: The effect of half-sib lines on morphological attributes of one-year old *Fraxinus angustifolia* seedlings
31. Devetaković J, Todorović N, Vilotić D, Ivetić V: European white elm biomass production in a high-density plantation