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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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For publisher

Marijana Kapović-Solomun

Editors

Marijana Kapović-Solomun

Vojislav Dukić

Zoran Govedar

Vladimir Stupar

Milan Mataruga

Dane Marčeta

Danijela Petrović

Technical editors

Srđan Bilić

Đorđije Milanović

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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

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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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SMALL AND MEDIUM ENTERPRISES IN FORESTRY AND WOOD INDUSTRY: ORGANIZATION OF BUSINESS PROCESSES IN SELECTED FOREST MANAGEMENT REGIONS IN THE REPUBLIC OF SRPSKA

Jelena Nedeljković^{1*}, Zoran Poduška², Mile Stanišić³, Dragan Čomić⁴

¹ University of Belgrade - Faculty of Forestry, Belgrade, Serbia

² Institute of Forestry, Belgrade, Serbia

³ Romanijska 6, Vlasenica, Bosnia and Herzegovina

⁴ University of Banja Luka - Faculty of Forestry, Banja Luka, Bosnia and Herzegovina

Corresponding author e-mail: jelena.nedeljkovic@sfb.bg.ac.rs

ABSTRACT

Within the Vlaseničko, Miličko, Han Pijesačko and Romanijsko forest management regions (FMRs), a key factor in timber harvesting are contractors for forest services. Wood-processing enterprises are the largest buyers of wood assortments and, at the same time, the largest sellers of final and other wood products in the observed FMRs. The research aims to inquire into the attitudes of the respondents towards the organisation of business processes within the contractors for forestry services and wood-industry enterprises in the selected FMRs, as well as regarding the opportunities for their improvement. Primary data were collected in 2 phases. In the 1st phase, 30 representatives of contractors for forestry services and wood-industry enterprises were surveyed. Interviews with 6 representatives of *leading enterprises* (2 representatives of the contractors for forestry services and 4 wood-industry enterprises) were conducted in the 2nd phase. The contractors for forestry services are engaged through a tendering procedure (public procurement) published by the Public Forest Enterprise "Forests of the Republic of Srpska" JSC, Sokolac. All respondents stated that they possess chainsaws and tractors, and only 17% used forwarders and bulldozers in their work. Business entities from the wood industry are most often engaged in the production of coniferous sawn timber. Raw materials are mostly (71%) procured from the state-owned forests. The majority of respondents (62%) stated that they sell their products on foreign markets. Possibilities for improving the business processes of the contractors for forestry services and the wood industry enterprises within the observed FMRs include: education of the workforce, renewal of obsolete mechanization; creating a database to facilitate the analysis of their business, etc.

Key words: organisation, business processes, small and medium enterprises, forestry, Republic of Srpska