

Session A

Wednesday,
14th September
2022

- AP1** **Anđelina Gavranović Markić, Miran Lanščak, Zvonimir Vujnović, Sanja Bogunović, Mladen Ivanković:** Dynamic of fructification and conservation of genetic resources of pedunculata oak (*Quercus robur* L.) and European beech (*Fagus sylvatica* L.) in light of climate changes (cropforclim) - ip-2018-01-8189
- AP2** **Monika Kamenečki, Dora Tomić Reljić, Aneta Mudronja Pletenac, Petra Pereković:** Defining the requirements for green roof guidelines in Croatia
- AP3** **Damir Drvodelić:** Influence of extreme air temperatures on seed germination of sweet wormwood (*Artemisia annua* L.)
- AP4** **Jolita Kruopienė, Inga Gurauskienė, Aušra Randė:** The Lithuanian phosphorus budget as a basis for resource optimization
- AP5** **Krunoslav Sever, Antonia Vukmirović, Daniel Krstonošić, Saša Bogdan, Ida Katičić Bogdan, Marko Bačurin, Tomislav Karažija, Željko Škvorc:** Influence of phosphorus nutrition on leaf dry matter content and leaf mass per area of common beech and sessile oak saplings
- AP6** **Ivona Kerkez Janković, Marina Nonić, Mirjana Šijačić-Nikolić:** Species diversity boosting - present challenge, issue of the future
- AP7** **Nevenka Čelepirović, Monika Karija Vlahović, Sanja Novak Agbaba:** DNA barcoding of pathogenic fungi on forest trees from Učka nature park
- AP8** **Marija Građečki – Poštenjak, Nevenka Čelepirović, Monika Karija Vlahović, Sanja Novak Agbaba:** Beechnut quality by seed regions in Croatia
- AP9** **Sanja Novak Agbaba, Nevenka Čelepirović:** Investigation of foliage diseases of forest trees in the Učka nature park
- AP10** **Sanja Novak Agbaba, Marta Kovač:** Biological control using natural beaveria sp. for the control of the oak pest corythucha arcuata - laboratory and field experiment
- AP11** **Tamara Jakovljević, Ivana Vladimira Petric, Katarina Bulešić, Goran Stjepić, Lucija Lovreškov:** Monitoring of heavy metals in the soil of protected area in Istria

- BP3** **Natka Čurko, Anita Pušek, Ana Jurinjak Tušek, Marina Tomašević, Katarina Lukić, Mihaela Šmic, Ivana Radojić Redovniković, Karin Kovačević Ganić:** Application of supercritical CO₂ as green technology for oil extraction from Graševina grape seed pomace
- BP4** **Filip Dujmić, Sven Karlović, Marko Marelja, Roko Marović, Marija Badanjak Sabolović, Matija Pejčković Prekšavec, Mladen Brnčić:** Influence of ultrasonic pre-treatment on the energy consumption of pumpkin (*Cucurbita moschata*) drying
- BP5** **Silvija Šafranko, Marija Banožić, Ina Čorković, Martina Jakovljević, Krunoslav Aladić, Stela Jokić:** Separation of bioactive compounds from mandarin peel citrus unshui using subcritical water extraction
- BP6** **Maja Dent, Lucija Nikin:** The influence of ultrasonic pretreatment prior hydrodistillation of rosmarinus on the yield of essential oil
- BP7** **Maja Dent, Anđela Miljanović, Dorotea Grbin, Zoran Zorić, Sandra Pedišić, Ana Bielen:** Water hydrodistillation residues of bay laurel, rosemary and sage as a source of polyphenols
- BP8** **Romana Popović, Antonela Ninčević Grassino, Jasmina Lapić, Senka Djaković:** Isolation of carotenoid from dried tomato peel waste by using different solvents
- BP9** **Mirella Žanetić, Marin Čagalj, Tatjana Klepo, Maja Jukić Špika, Ivica Ljubenković, Barbara Soldo:** Characterization of fatty acids and phenolic profile of olive oils from millennial wild olive trees (*Olea oleaster*) grown in olive gardens of Lun, island of Pag
- BP10** **Vanja Todorović, Nevena Dabetić, Sladjana Sobajic:** Flours from sunflower and pumpkin seeds after cold-pressed oils production as sources of nutritionally valuable proteins
- BP11** **Ana Bego, Filipa Burul, Maja Jukić Špika, Marijana Popović, Tonka Ninčević, Marija Mandušić, Jakša Rošin, Marin Čagalj, Mirella Žanetić, Katja Žanić, Slavko Perica, Valerija Dunkić, Marija Nazlić, Tanja Gotlin Čuljak, Elda Vitanović:** New methods in olive pests controlling using plant volatiles
- BP12** **Maria del Mar Contreras, A. Segura-Carretero, E. Abdel-Sattar, R. H. Mekky:** Linseed cake, a source of antioxidant compounds
- BP13**  **Mia Ivanov, Tomislava Vukušić Pavičić, Višnja Stulić, Jasenka Gajdoš Kljusurić, Zoran Herceg:** High voltage electric plasma discharge application in environmental preservation

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Session B

Wednesday,
14th September
2022

- BP1** **Filip Šupljika, Mojca Čakić Semencić, Marko Iveša, Martina Vučilovski, Marinela Nutrizio, Anet Režek Jambrak:** Antioxidant capacity of the oregano and rosemary extracts obtained by high voltage discharge treatment
- BP2** **Nataša Mikulić, Ksenija Marković, Nada Vahčić:** Quality parameters of different types (honeydew, floral, chestnut, meadow, amorphous, mandarin, willow, wild cherry, forest, linden, sage) of honey

Session C

Friday,
16th September
2022

- CP1**  **Ivan Horvatić, Martina Kovačević, Zlatko Svečnjak, Darko Uher:** Green biomass of maize with climbing bean and cowpea as a sustainable source of protein
- CP2** **Nikolina Barlović, Stjepan Pervan, Miljenko Klarić, Nikola Španić:** Spectrometric analysis of lignin from abonos and oak wood (*Quercus robur* L.)
- CP3** **Tonči Rezić, Magdalena Anđelini, Ivan Perković, Roland Ludwig:** Effect of amino acids on LPMO activity

- CP4** ★ **Antonio Vidaković, Marilena Idžojić, Zlatko Liber, Igor Poljak:** Morphological variability of the leaves of european wild pear (*Pyrus pyraeaster* (L.) Burgsd.) populations from continental and mediterranean parts of Croatia
- CP5** **Nikola Španić, Ivana Plazonić, Tomislav Podvorec:** Cellulose acetate and waste paper based bio nano composites - optical and thermal properties
- CP6** **Danijela Petrović, Vojislav Dukić, Srđan Bilić:** Bark thickness of serbian spruce from natural stands and plantations
- CP7** ★ **Josip Klanac, Helena Lukšić, Vera Rede:** Influence of wood cell orientation on the spruce wood hardness
- CP8** **Aleksandra Gavarić, Senka Vidović, Jelena Rodić, Zorana Mutavski, Nataša Nastić:** Integrated processes effect on polyphenols content of peppermint
- CP9** ★ **Marijan Logarušić, Igor Slivac, Kristina Radošević, Višnja Gaurina Srček:** Biological potential of hempseed and flaxseed protein hydrolysates in cho cell culture during oxidative stress
- CP10** **Ivana Lukic, Jelena Pajnik, Stoja Milovanovic, Vanja Tadić:** Supercritical CO₂ extraction of bilberry (*vaccinium myrtillus*) fruit
- CP11** **Stoja Milovanovic, Agnieszka Dębczak, Katarzyna Tyskiewicz, Marcin Konkol:** Supercritical CO₂ extraction from dandelion: the effect of pressure on extracts yield and composition
- CP12** **Carmen Padilla-Rascón, Juan Miguel Romero-García, Encarnación Ruiz, Inmaculada Romero, Eulogio Castro:** Use of olive stones to obtain furfural in a single-phase system
- CP13** **Carmen Padilla-Rascón, Juan Miguel Romero-García, Encarnación Ruiz, Inmaculada Romero, Eulogio Castro:** Two-stage sequential pretreatment of olive stones for cellulose recovery
- DP7** **Juan Miguel Romero-García, María Ruiz-Martínez, Ximena Valles-Novoa, Inmaculada Romero, Encarnación Ruiz, Eulogio Castro:** Optimization of xylose production from almond tree pruning
- DP8** **Juan Miguel Romero-García, Carmen Padilla-Rascón, Sergio Moreno-Moreno, Inmaculada Romero, Encarnación Ruiz, Eulogio Castro:** Olive stone as raw material for the production of levulinic acid
- DP9** **Josipa Martinović, Jasmina Lukinac Čačić, Marko Jukić, Gabriela Perković, Gordana Šelo, Mirela Planinić, Marina Tišma, Ana Bucić-Kojić:** Influence of different coatings and drying of wet microbeads in vitro release of phenolic compounds
- DP10** **Natalija Velić, Mateja Kamenjaš, Janez Gorenšek, Marija Stjepanović, Indira Kosović, Darko Velić, Saša Despotović:** Biosorptive removal of the cationic dye malachite green from water by inactive biomass of fomitopsis pinicola
- DP11** **Filip Vranješević, Maria Kolympadi-Markovic, Valerije Vrček, Dean Marković:** Useful compounds from CO₂ by in silico directed catalytic synthesis
- DP12** ★ **Martina Bagović, Manuela Panić, Željko Jakopović, Senka Djaković, Jasmina Lapić, Kristina Radošević, Ivana Radojčić Redovniković:** Ciprofloxacin derivative – improvement of its solubility, permeability and antibacterial activity by deep eutectic solvent
- DP13** ★ **Anja Damjanović, Klara Pavić, Valentina Rožić, Manuela Panić, Marina Cvjetko Bubalo, Kristina Radošević, Ivana Radojčić Redovniković:** Industrial application of Graševina grape pomace extracts in natural deep eutectic solvents
- DP14** **Filipovic A., Dzambaski Z. , Bondzic B.:** Microreactor technology for green and sustainable photo- and organo-catalytic synthesis
- DP15** **Ana Dobrinčić, Ena Cegledi, Erika Dobroslavić, Daniela Cvitković, Jasna Mrvčić, Verica Dragović-Uzelac:** Green synthesis of silver nanoparticles using seaweed fucus vireoides and cystoseira barbata extracts
- DP16** **Mladen Pavlecic, Dominik Piškor, Mario Novak, Antonija Tronel, Nenad Mardetko, Marina Grubišić, Blanka Ljubas Didak, Vlatka Petravić Tominac, Božidar Šantek:** The influence of cane sugar and artificial sweeteners on water kefir production
- DP17** ★ **Mia Radović:** Mimicking nature: osmolytes-based deep eutectic systems
- DP18** ★ **Tea Sokač, Maja Benković, Davor Valinger, Jasenka Gajdoš Kljusurić, Tamara Jurina, Ivana Radojčić Redovniković, Ana Jurinjak Tušek:** Global sensitivity analysis of agricultural waste composting model
- DP19** ★ **Muhammad Mohsin, Mir Md Abdus Salam, Nicole Nawrot , Erik Kaipainen , Daniel J. Lane, Ewa Wojciechowska, Niko Kinnunen, Mikko Heimonen , Arja Tervahauta, Sirpa Peräniemi, Olli Sippula , Ari Pappinen , Suvi Kuittinen:** Uptake of rare earth elements by willow (*salix spp*) from hydroponic solution
- DP20** **Ena Cegledi, Erika Dobroslavić, Ana Dobrinčić, Daniela Cvitković, Jasna Mrvčić, Verica Dragović-Uzelac:** Green synthesis of silver nanoparticles using nettle (*Urtica dioica* L.), myrtle (*Myrtus communis* L.) and bay laurel (*Laurus nobilis* L.) leaf extracts

Session D

Thursday,
15th September
2022

- DP1** **Ines Cindrić, Jasna Halambek:** Potential of waste tea as effective alternative adsorbent
- DP2** **Zorana Mutavski, Nataša Nastić, Senka Vidović, Stela Jokić, Aleksandra Gavarić:** A comparison of efficiency between ultrasound and microwave-assisted extraction of black elderberry pomace
- DP3** **Jasna Halambek, Ines Cindrić, Kristijan Perić, Elizabeta Zandona:** Corrosion resistance of aluminium in solutions of organic acids with the addition of carob powder
- DP4** **Darja Barić, Ana Rajković, Katarina Štefanac, Antonela Ninčević Grassino:** Influence of microwave-assisted extraction on polyphenols recovery from mandarin peel waste
- DP5** **Alisa Hasanbegović, Karla Johman, Josipa Kapitanović, Antonela Ninčević Grassino:** Exploitation of mandarin peel waste as a source of value-added compounds
- DP6** **Maria Kolympadi Markovic, Filip Vranješević, Valerije Vrček, Dean Marković:** Green synthesis of cyclic carbonates from carbon dioxide

- EP1** **Kristijan Tomljanović, Dario Biondić, Krešimir Krapinec, Ivica Medarić, Josip Tomljanović, Marijan Grubešić:** Correlation of spatial density and trophy value of mouflon (*Ovis aries musimon* pall.) in the period 1980 - 2020 in the coastal part of north Velebit
- EP2** **Ivana Zegnal, Jasnica Medak, Marija Gradečki-Poštenjak, Nevenka Čelepurović, Ivica Čehulić, Tamara Jakovljević, Sanja Novak-Agbaba, Anton Brenko:** Controlled germination and inoculation of holm oak (*Quercus ilex* L.) with two species of the genus tuber
- EP3** **Krunoslav Teslak, Marijana Andabaka, Karlo Beljan, Jura Čavlović:** Long-term stand structure dynamics of managed and unmanaged fir-beech forests in the Croatian Dinarides
- EP4** **Tomislav Dubravac, Dijana Vuletić, Damir Barčić:** Influence of different silvicultural works' intensities on growth and development of young pedunculated oak stands (*Quercus robur* L.)
- EP5** **Ivana Antolović Smoljan:** Educational trail 'Lovrin'
- EP6** **Mario Božić, Marko Klem, Ernest Goršić, Ivan Bazijanec, Milivoj Franjević, Antonija Kolar:** Influence of oak lace bug on radial increment of pedunculate oak trees withing different age classes in Spačva basin area
- EP7** **Marko Vucelja, Linda Bjedov, Anamarija Miškulin, Milan Pernek, Tomislav Dubravac, Dinka Matošević, Darko Pleskalt, Josip Margaletić:** Monitoring of small rodents in Croatian state forests from 2017 to 2020 – are we getting any wiser?