

### CONFERENCE HALL GRAND SALON

Hotel  
International

8.00-9.00 Registration  
9.00-9.30 OPENING CEREMONY

CHAIRS: T. Jakovljević, I. Radojčić Redovniković

9.30-10.15 **Alessandra De Marco:** Strategic roadmap to assess forest vulnerability under air pollution and climate change, IUFRO, Coordinator of Unit 8.04.00 - Impacts of air pollution and climate change on forest ecosystems, Italian National Agency for New Technologies, Energy and the Environment, Italy

10.15-10.45 **COFFEE BREAK**

10.15-10.45 **Poster presentations (SESSIONS A&B)**

#### Lectures & Parallel sessions

### CONFERENCE HALL GRAND MEDITERAN

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SESSION A: **ENVIRONMENT AND CLIMATE CHANGE**

CHAIRS: L. Butorac, A. Paletto

10.45-11.30 **Giorgio Alberti:** Linking tree species richness and functional diversity to the carbon cycle in the context of climate change, Department of Agri-food, Environmental and Animal Sciences, University of Udine, Italy

11.30-11.45 **Hrvoje Marjanović:** Challenges in long term monitoring CO<sub>2</sub> Fluxes: The Case of Jastrebarsko Oak Forest, Croatian Forest Research Institute, Jastrebarsko, Croatia

11.45-12.00 **Vojislav Dukić:** Tree-Ring Chronology of Sessile Oak (*Quercus petraea* (Matt.) Liebl.) in the Northern Part of Bosnia and Herzegovina, Faculty of Forestry Banja Luka, Bosnia and Herzegovina

12.00-12.15 **Ernest Goršić:** Growth dynamics of Pedunculate oak influenced by spreading of oak lace bug in Republic of Croatia, Faculty of Forestry and Wood Technology, Zagreb, Croatia

12.15-12.30 **Doroteja Bitunjac:** Density and carbon concentration of downed dead wood by decay classes for ten tree species in Croatia, Forest Research Institute, Jastrebarsko, Croatia

12.30-12.45 **Silvija Zec:** Forests in women's hands, Croatian Chamber of Forestry and Wood Technology Engineers, Zagreb, Croatia



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SESSION B: **PLAN EXTRACTS – VALUE ADDED PRODUCTS**

CHAIRS: M. Brnčić, G. Cravotto

10.45-11.30 **Giancarlo Cravotto:** The industrial green revolution in plant extraction and downstream, Department of Drug Science and Technology, University of Turin, Italy

11.30-11.45 **Anastasia Loukri:** A green approach for the recovery of bioactive compounds from cornelian cherry (*Cornus mas\* L.*) fruits, Department of Food Science and Technology, School of Agriculture, Aristotle University of Thessaloniki, Greece



11.45-12.00 **Manuela Panić:** Application of natural deep eutectic solvents-based plant extracts in cosmetic industry – from academia to business, Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia

12.00-12.15 **Irene Gómez Cruz:** Vine shoots, a natural resource with resveratrol: evaluation of extraction parameters, Department of Chemical, Environmental and Materials Engineering, Center for Advanced Studies in Earth Sciences, Energy and Environment (CEACTEMA), University de Jaén, Jaén, Spain



12.15-12.30 **Emilie Isidore:** Optimization of supercritical carbon dioxide extraction of rosmarinic acid from clary sage, URD Agro-Biotechnologies Industrielles, CEBB, AgroParisTech, Pomacle, France  
Sponsored lecture - AlphaChrom Ltd.

12.45-14.00 **LUNCH**

#### Lectures & Parallel sessions

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SESSION A: **ENVIRONMENT AND CLIMATE CHANGE - continues**

CHAIRS: N. Potočić, A. De Marco

14.00-14.30 **Anikó Kern:** Climate data for 1951-2100 for scientific, societal and policy purposes in Central Europe: the FORESEE database, ELTE Eötvös Loránd University, Institute of Geography and Earth Sciences, Budapest, Hungary

14.30-14.45 **Renata Sokol Jurković:** Bias corrected precipitation and temperature from regional climate models, Croatian meteorological and hydrological service, Croatia

14.45-15.00 **Luka Basrek:** Ensuring benefits for more than 1 Million people through restoring the Sava river, Zeleni prsten Public Institution of Zagreb County, Croatia

15.00-15.15 **Mia Marušić:** The response of beech (*Fagus sylvatica* L.) saplings to drought in a fertilization experiment, Croatian Forest Research Institute, Jastrebarsko, Croatia



15.15-15.30 **Damir Drvodelić:** Influence of photosselective netting on growth of cherry laurel (*Prunus laurocerasus* L.) seedlings, Faculty of Forestry and Wood Technology, University of Zagreb, Croatia

15.30-15.45 **Lucija Lovreškov:** How high is ozone in Mediterranean forest ecosystems?, Croatian Forest Research Institute, Jastrebarsko, Croatia



15.45-16.00 **Ivan Limić:** Assessment of ions concentration in aleppo and black pine forests in the mediterranean part of Croatia; Institute for Adriatic Crops and Karst Reclamation, Split, Croatia



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### SESSION B: **PLAN EXTRACTS – VALUE ADDED PRODUCTS** - continues

**CHAIRS: K. Kovačević Ganić, V. Dragovic-Uzelac**

14.00-14.15 **María del Mar Contreras:** Obtainment of bioactive compounds from the extractive and protein fraction of exhausted olive pomace, Ambientally de los Materiales, Universidad de Jaén, Spain

14.15-14.30 **Andrea Casas González:** Formulation of natural active compounds with antifungal applications: construction of pseudo-ternary phase diagrams and study of the release mechanism, BioEcoUVa Research Institute, PressTech Group, University of Valladolid, Spain

14.30-14.45 **Petronela Nechita:** The food packaging performances of paper coated with xylan hemicelluloses, Dunărea de Jos University of Galați, Department of Environmental, Applied Engineering and Agriculture, Engineering and Agronomy Faculty in Brăila, Romania

14.45-15.00 **Katarina Tumpa:** Comparison of the Kjeldahl and Dry Combustion Methods for the Determination of Nitrogen and Protein Content in 'Lovran Marron' Fruits from Croatia, Faculty of Forestry and Wood Technology, University of Zagreb, Croatia



15.00-15.15 **Morad Chadni:** Improvement of sinapine extraction from mustard seed meal by application of pre-treatment technologies, URD Agro-Biotechnologies Industrielles, CEBB, AgroParisTech, Pomacle, France

15.15-16.15 **COFFEE BREAK**

15.15-16.15 **Poster presentations (SESSIONS A&B)**

15.30-17.00 **Development of Green technologies at Faculty of Food Technology and Biotechnology, University of Zagreb through the work of prof. Jasna Vorkapić Furač (on Croatian)**

18.00 **ZAGREB GUIDED TOUR**