

AREAS OF KNOWLEDGE

20TH SCIENTIFIC-TECHNICAL SYMPOSIUM EXPOLIVA 2021 Jaén (Spain), September 21 – 24 · 2021

The papers for the various Forums of the Scientific-Technical Symposium: EXPOLIVA 2021 may refer to any of the following areas of knowledge, which, generically, are related to Olive Groves and Oil.

FORUM ON OLIVE GROVES AND THE ENVIRONMENT

- Production factors: climate, soil and tree
- Plantation planning and design
- Advances in growing techniques: irrigation, fertilisation, pruning, etc.
- Sustainable development in olive groves: erosion control and plant covers
- Integrated production
- Ecological cultivation
- Plant improvement and crop protection
- Olive grove mechanisation
- Harvesting techniques
- Soil management Techniques
- Use of olive biomass
- Use of olive oil industry by-products
- Traditional, intensive and high-density production systems
- Conditionality and circular economy
- Olive genome. Identification of varieties
- Plant breeding and development of new varieties
- Advances in pest and disease control
- Productivity and water use efficiency
- Data acquisition and decision making systems in olive farms
- Remote management and automation in field
- Climate change and sustainable cultivation of olive groves
- Process automation and cultivation techniques
- Life cycle analysis in Oliviculture

FORUM ON THE OLIVE OIL INDUSTRY, TECHNOLOGY AND QUALITY

- Advanced technologies for the production of quality oils in mills
- New methods of describing virgin olive oils
- Instrumental systems to support sensory valuation
- Production factors that determine olive oil yield and quality
- Control of fruit ripening and sensory characterization of virgin olive oils
- Process automation and optimisation
- Comprehensive use of the by-products of olive mill
- New techniques for paste treatments
- Critical points for the production of quality oils in olive mill
- Minority components of the olive oil. Production control and evolution
- Development of new technologies for processing olives, obtaining olive oil and preserving quality
- Quality assessment and standardisation
- Traceability in olive industries and digitization.
- Virgin olive oil authentication systems
- Advances in the design of olive oil industries
- Test Panel. Reference and harmonization Systems
- Production and quality control systems
- Circular economy: Biomass, biofuels and bioplastics
- Systems for purification and reuse of washing water
- Process Temperature control systems
- Advances in Mill cleaning systems
- Renewable energy in the oil industry
- Energy efficiency

ECONOMIC AND SOCIAL FORUM

- The olive oil sector, structure and evolution
- Economy of olive farms and their future development
- The promotion of quality virgin olive oils and information systems
- Supply growth and expansion of the international demand for olive oil
- Product marketing strategies
- Product differentiation
- Differentiated Quality
- Brand policies, design and intangible management
- Producer and distributor brands
- Logistics and commercial distribution
- Olive oil company management: economy of knowledge
- International olive oil trade. Factors for its development
- Origin and destination markets. Normalization of olive oil and international trade categories
- Concentration of supply
- Description of demand
- E-commerce systems
- Economy of olive by-products
- Olive groves and rural development
- The labour market in the olive sector

- Bioeconomy of the olive sector
- Trends in olive oil consumption. Processed Products
- Socio-economic aspects of the olive
- Economic and social valuation of intangibles associated to the Olive grove
- The olive oil value chain
- Pricing and competition
- The PAC aid and profitability of olive farms
- International standards on safety and quality
- Internationalization of the olive oil sector

FORUM ON NUTRITION, HEALTH AND OLIVE OIL

- Disease prevention and consumption of olive oil
- Beneficial aspects of the consumption of olive oil for health
- Health effects of Mediterranean diet
- Nutritional and therapeutic value of olive oil over other oils
- Beneficial aspects of olive oil consumption to health
- Oxidative stress and aging
- Antioxidant compounds of olive oil and cholesterol
- Antitumor defense mechanisms
- Nutritional factors and modulation of metabolism
- Olive oil effect on defense mechanisms
- Mediterranean diet and sport
- Lifestyles and diet
- Nutrigenomics and Virgin olive oil

FORUM ON OLIVE OIL CULTURE

- Olive Heritage: Museums, historical sites, singular buildings
- The oleotourism as a factor of development of the olive regions
- Landscapes of the olive grove in the Mediterranean basin
- Historical aspects of the cultivation of olive groves and the oil industry: art, sociology, science and economics
- Anthropological factors in the cultivation of olive groves
- Communication and dissemination of the culture of olive oil
- Interpretation and Discourse Museum in the world of olive groves
- Landscapes of the olive grove
- Mediterranean gastronomy, the culture of olive oil
- Olive oil and restoration
- New uses of olive oil
- Lifestyles and promotion of olive oil culture