



XXXIV  
WORLD  
CONGRESS  
OF VINE  
AND WINE

20-27th June 2011  
Porto - Portugal  
[www.oiv2011.pt](http://www.oiv2011.pt)

**The Construction  
of Wine**  
A Conspiracy  
of Knowledge  
and Art

ORAL AND SHORT  
COMMUNICATIONS



## Section I - Viticulture: A. The Vine as the Foundation of New Wines

---

- 30 Short communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Plastid DNA Sequence Diversity in Wild Grape Samples (*Vitis Vinifera* Subsp. *Sylvestris*) from the Caucasus Region**  
I. Pipia, M. Gogniashvili, V. Tabidze, T. Beridze, M. Gamkrelidze, V. Gotsiridze, Gag. Melyan, M. Musayev, V. Salimov, J. Beck, B. Schaal  
Free University of Tbilisi  
Georgia
- 42 ORAL communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Determination Of Technological Features And Ampelographic Molecular Characterization Of Some Local Grape Varieties In Lakes Region Turkey**  
Seçkin GARGIN, Alim GÖKTAŞ, Ahmet ALTINDİŞLİ, Ali ERGÜL  
Eğirdir Horticulture Research Institute, Isparta, Turkey  
Turkey
- 60 Short communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Study of four minority grapevine varieties recovered in the East of Castilla La Mancha (Spain)**  
A. Mena, J. Martínez, L. García, E. García-Romero, M. Fernández-González  
Instituto de la vid y el vino de Castilla La Mancha (IVICAM)  
Spain
- 92 ORAL communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Further insight into the molecular principles of Grapevine habituation**  
M. CARNÁ, V. REPKA, E. ŠTURDÍK  
Research Institute of Viticulture and Enology Matúšková 25  
Slovakia
- 117 Short communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Produção e qualidade nas CVS Maria Gome e Arinto sujeitas a diferentes intensidades de desfolha**  
C. Melanda, I. Andrade  
Instituto Politécnico de Coimbra, Escola Superior Agrária de Coimbra.  
Portugal
- 123 Short communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**L'architettura del vigneto. L'arcano conservatore della storia del territorio**  
M. Boselli, G. Tempesta, M. Fiorilo  
Dipartimento di Biotecnologie, Università di Verona Via della Pieve 70  
Italy
- 128 ORAL communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Genetic variability within varieties: the basis for selection and for innovation**  
Elsa Gonçalves, Antero Martins  
Centro de Botânica Aplicada à Agricultura (CBAA) Instituto Superior de Agronomia, Universidade Técnica de Lisboa  
Portugal
- 173 ORAL communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Recuperación de variedades minoritarias de vid en las Islas Canarias**  
I. Rodríguez-Torres, F.J. González; J.A. González, J.L. Savoie, J. Borrego  
Instituto Canario de Investigaciones Agrarias (ICIA)  
Spain
- 235 ORAL communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Low-pressure selection for new grape crossings (Riesling Italico x Pinot Noir; Riesling Italico x Chardonnay)**  
A. Vercesi, L. Bavaresco, M. Fregoni, M. Zamboni, M. Gatti  
Istituto di Frutti-Viticultura, Univ. Cattolica S.C.  
Italy
- 253 ORAL communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Composición antociánica de la vid silvestre (*Vitis vinifera* spp. *sylvestris*)**  
E. Revilla, D. Carrasco, V. Carrasco, A. Benito, R. Arroyo-García  
Departamento de Química Agrícola, Universidad Autónoma de Madrid  
Spain

- 421 Short communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**O sector viveirista vitícola em Portugal: situação actual e perspectivas futuras**  
 António Rego, Raquel Carvalho, Ricardo Andrade  
 Direcção-Geral de Agricultura e Desenvolvimento Rural Tapada da Ajuda, Lisboa, Portugal  
 Portugal
- 459 ORAL communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Situación del patrimonio varietal de vid en España**  
 F. Cabello, G. Muñoz-Organero, R. Saiz, L. Gaforio, J. A. Cabezas, M. T. De Andrés  
 Departamento de Investigación Agroalimentaria. IMIDRA.  
 Spain
- 480 Short communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Biometric relations in vine varieties of the Douro Region**  
 P Costa; F. Almeida; F. Alves; J. Costa, C. Carlos e B. Teixeira  
 ADVID – Associação para o Desenvolvimento da Viticultura Duriense  
 Portugal
- 487 ORAL communication** - Section I - Viticulture: A. The Vine as the Foundation of New Wines  
**Study on the adaptability and use of interspecific varieties in the Veneto plain area**  
 Tomasi D., Gaiotti F., Giust M.  
 1CRA-VIT - Viale XXVIII Aprile, 26  
 Italy

## Section I - Viticulture: B. Managing Vine Information

---

- 51 Short communication** - Section I - Viticulture: B. Managing Vine Information  
**Combining Vintage Charts Ratings into a Consensual Quality Ranking**  
 José Borges, António Corte-Real and José António Sarsfield Cabral  
 Faculty of Engineering, University of Porto  
 Portugal
- 101 ORAL communication** - Section I - Viticulture: B. Managing Vine Information  
**Facing the Complexity of Grape Quality Management and Delivering an Highthroughput Device: VinePAT**  
 Martins RC, and Silva-Ferreira, AC  
 Molecular Biology and Ecology Research Center, University of Minho, Campus de Gualtar, Braga – Portugal  
 Portugal
- 114 ORAL communication** - Section I - Viticulture: B. Managing Vine Information  
**The use of RS/GIS - spatial information of geographical appellation in Brazil**  
 Rosemary Hoff, Guilherme da Costa Menezes, André Rodrigo Farias, Jorge Tonietto  
 Empresa Brasileira de Pesquisa Agropecuária - Embrapa Uva e Vinho  
 Brazil
- 245 Short communication** - Section I - Viticulture: B. Managing Vine Information  
**Influence of vine spacing on Tempranillo Variety in the Apellation of Origin Ribera del Duero (Spain)**  
 E. Barajas, R. Yuste, J. Yuste  
 Ud. C. Leñosos y Hortícolas. Instituto Tecnológico Agrario de Castilla y León Ctra.  
 Spain
- 330 Short communication** - Section I - Viticulture: B. Managing Vine Information  
**Effect of nitrogen fertilisation on vegetative growth and the biochemical composition of irrigated Syrah L. cv grapes**  
 S. Dayer, M. T. Kelly, A Blaise, H. Ojeda  
 Masters of Viticulture and Enology, FCA-U.N. de Cuyo / INTA, Argentina  
 France
- 492 ORAL communication** - Section I - Viticulture: B. Managing Vine Information  
**The environmental factor as a principal component of the terroir in Spain (D.O. Arribes, W Spain)**  
 V. Gómez-Miguel, V. Sotés, E. Pardo, J. Cámara, G. Hernando  
 Universidad Politécnica de Madrid (UPM)  
 Spain

## Section I - Viticulture: C. Constructing Sustainable Vineyards

- 5 ORAL communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**Impact of water regime on grapevine's physiology / production in the Douro Valley**  
T. Sousa, J. Moutinho-Pereira, M. Oliveira  
UTAD, Vila Real, Portugal  
Portugal
- 23 Short communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**Drip irrigation and leaf water potential with the varieties "Riesling" and "Syrah"**  
Martin MEHOFER, Karel HANAK, Bernhard SCHMUCKENSCHLAGER und Ferdinand  
Lehr- und Forschungszentrum für Wein- und Obstbau Klosterneuburg, Österreich (Austria)  
Austria
- 115 ORAL communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**Sustainability in steep slope viticulture: training systems in narrow terraces - Douro Region**  
J. QUEIROZ; A. SANTOS; R. CASTRO, ANTÓNIO MAGALHÃES, D. GUIMARÃES  
Faculdade de Ciências, Universidade do Porto – Departamento de Geociências, Ambiente e Ordenamento do Território  
Portugal
- 124 Short communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**Utilización de cubiertas vegetales en viñedos de la D.O.Ca. Rioja (España)**  
S. Ibáñez, J.L. Pérez, F. Peregrina, E. García-Escudero  
Instituto de Ciencias de la Vid y del Vino (CSIC-Universidad de La Rioja-Gobierno de La Rioja). Servicio de Investigación y  
Desarrollo Tecnológico Agroalimentario Ctra  
Spain
- 171 ORAL communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**Sustentabilidade ambiental e viabilidade económica da cultura da vinha: instrumentos de medida e matriz de decisão multicritério**  
Francisco Avillez, Ana Paiva Brandão, Frederico Avillez  
AGRO.GES Sociedade de Estudos e Projectos, Lda  
Portugal
- 211 ORAL communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**Evaluating long term effects of deep soil preparation for vine production.**  
Hoffman, Eduard  
Dep Soil Science Stellenbosch University Stellenbosch  
South Africa
- 243 Short communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**Assessing pesticide residues in grapevine berries, must and wine**  
Stoll, Manfred  
Geisenheim Research Center  
Germany
- 263 ORAL communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**Gestion de la biodiversité dans les paysages viticoles: Projet de démonstration LIFE+ BioDivine**  
Joel ROCHARD, Carine HERBIN, France MERCIER, Maarten VAN HELDEN, Josépha GUENSER, Marie FAUCHADOUR  
IFV (Institut Français de la Vigne et du Vin), Pôle National Développement Durable  
France
- 401 ORAL communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**European viticulture geography in a changing climate**  
A. C. Malheiro, J. A. Santos, J. G. Pinto, G. V. Jones  
Centre for Research and Technology of Agro-Environment and Biological Sciences, University of Trás-os-Montes e Alto  
Douro  
Portugal
- 402 ORAL communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**An assessment of varietal sustainability in a changing climate using Riesling and Cabernet Sauvignon as an example**  
H.R. Schultz  
Forschungsanstalt Geisenheim  
Germany
- 468 Short communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**ENHANCING FUNCTIONAL BIODIVERSITY IN DOURO WINE REGION VINEYARDS**  
Carlos, Cristina; Meireles, Sara; Val, Carmo; Alves, Fernando; Crespí, Antonio; Torres, Laura  
ADVID – Association for the Development of Viticulture in the Douro  
Portugal



- 478 Short communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**MONITORING WATER STRESS IN THE DOURO WINE REGION: REFERENCES TO DECISION SUPPORT TOOLS**  
 F. Alves and J. Costa  
 ADVID - Association for Development of Viticulture in the Douro - Douro Wine Region Cluster  
 Portugal
- 471 ORAL communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**Sustainable Vineyard Developments Worldwide**  
 G.V. Jones  
 Department of Environmental Studies Southern Oregon University Ashland, Oregon, USA  
 United States Of America
- 482 Short communication** - Section I - Viticulture: C. Constructing Sustainable Vineyards  
**Sustainable Vineyard Developments in the Douro Valley**  
 Jones, Greg  
 Southern Oregon University and ADVID  
 United States Of America

## Section II - Oenology: D. Wine: a Molecular Construction

- 66 Short communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**“Cinque Terre” vineyards as source of indigenous Saccharomyces cerevisiae starters**  
 Capece, Angela; Romaniello, Rossana; Massari, Carmela; Romano, Patrizia  
 University of Basilicata  
 Italy
- 133 ORAL communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**The premature aging of red wines: from FFA to 3-Methyl-2,4-Nonanedione**  
 A. PONS, V. LAVIGNE, P. DARRIET AND D. DUBOURDIEU  
 SEGUIN MOREAU  
 France
- 181 ORAL communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Bioprocess monitoring of alcoholic wine fermentation using on-line NIR infrared spectroscopy**  
 Nieuwoudt, Helene, Kruger van Eck, Marinda, Silva Ferreira, Antonio, Tredoux, Andreas  
 Institute for Wine Biotechnology, Stellenbosch University, Stellenbosch, South Africa  
 South Africa
- 199 Short communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Consumo de aminoácidos en cultivos puros y mixtos de Saccharomyces cerevisiae**  
 N. Barrajón, M. Arévalo-Villena, J. Úbeda, A. Briones  
 Dpt. Tecnología de los Alimentos/IRICA. Universidad de Castilla La Mancha  
 Spain
- 207 Short communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Effect of the traditional heating on the chemical composition of Madeira wines**  
 Vanda Pereira, Ana C. Pereira, Francisco Albuquerque, José C. Marques  
 Centro de Ciências Exactas e da Engenharia, Universidade da Madeira, Campus Universitário da Penteada  
 Portugal
- 212 ORAL communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Pisco: More than the sum of its volatile parts**  
 J. Gambetta; A. Domenech; C. Perinago; G. Orjeda  
 Faculty of Sciences, Universidad Cayetano Heredia  
 Peru
- 286 Short communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Study of proteins in Enology, a Botrytis cinerea example**  
 CANTORAL FERNANDEZ, JESUS MANUEL; FERNANDEZ-ACERO, FRANCISCO JAVIER; CARBU, MARIA;  
 GARRIDO, CARLOS; GONZALEZ-RODRIGUEZ, VICTORIA E.  
 UNIVERSIDAD DE CADIZ
- 288 Short communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Synergism of high and low molecular weight molecules in sparkling wines foaming**  
 Elisabete Coelho, Ana Reis, M. Rosário M. Domingues, Sílvia M. Rocha and Manuel A. Coimbra  
 QOPNA, Department of Chemistry, University of Aveiro  
 Portugal



- 304 ORAL communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Permeation of volatile phenols and haloanisoles via vapor phase through different closures into wine**  
 Paulo Lopes, Juliana Marques, Cátia Alves, Maria Pimenta, Isabel Roseira, Adélio Mendes, Miguel Cabral  
 Amorim & Irmãos, R&D Department  
 Portugal
- 326 ORAL communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Nouvelles approches genetiques pour comprendre et ameliorer les proprietes des levures oenologiques**  
 B. Blondin, C. Ambroset, J. Noble et C. Brion  
 Montpellier SupAgro, UMR1083  
 France
- 342 Short communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Wine oxidation profile accessed by phenolic compounds: primary substrates for oxidation**  
 Carla Maria Oliveira, Artur M. S. Silva, and António César Silva Ferreira  
 Departamento de Química & QOPNA, Universidade de Aveiro  
 Portugal
- 351 ORAL communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**The biogeography of fermentative yeast populations from the vineyards of the Azores Archipelago**  
 J. Drumonde-Neves, M. T. Lima, D. Schuller  
 Research Center for Agricultural Technology (CITAA) - Department of Agricultural Sciences / University of Azores,  
 Campus de Angra do Heroísmo  
 Portugal
- 358 Short communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Varietal thiols in white wines from Portuguese grape varieties**  
 D. Ferreira, N. Moreira, I. Vasconcelos, J.M. Ricardo-da-Silva, P. Guedes de Pinho  
 Instituto Superior de Agronomia/Departamento de Agro-Indústrias e Agronomia Tropical, Secção de Ciência e  
 Tecnologia dos Alimentos/Laboratório Ferreira Lapa  
 Portugal
- 389 ORAL communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Analysis of carotenoids in grapes to predict norisoprenoid varietal aroma of wines from Apulia**  
 Pasquale Crupi, Antonio Coletta, Rosa A. Milella, Maria A. Giannandrea, Arianna Pichierri, Donato Antonacci  
 CRA- UTV - Research Unit for table grapes and wine growing in Mediterranean environment  
 Italy
- 394 Short communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Comparison of DNA extraction efficiency in commercial and experimental wines**  
 Leonor Pereira, Geni C. Zenol, José E. Eiras-Dias, Henrique Guedes-Pinto, José Aranha, Paula Martins-Lopes  
 IBB-CGB/UTAD - Institute for Biotechnology and Bioengineering, Centre of Genomics and Biotechnology, University of  
 Trás-os-Montes and Alto Douro  
 Portugal
- 413 ORAL communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**The Microbiome of Wine Fermentations**  
 Cátia Pinto, Susana Sousa, Manuel Santos e Ana Catarina Gomes  
 BIOCANT, Centro de Inovação em Biotecnologia, BIOCANT PARK  
 Portugal
- 417 Short communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Influence of climatic conditions on the stable rations in Brazilian grapes**  
 R.Vanderlinde, L. Adami, A.R. Marcon, G. Carnieli, C. Roani, F.R. Spinelli, S. Leonardelli, V. Webber, H. Kich, R. Dallegrave,  
 S.V.Dutra  
 Universidade de Caxias do Sul (UCS), Instituto de Biotecnologia  
 Brazil
- 418 ORAL communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Lien entre l'extractibilité des composés phénoliques et les propriétés mécaniques des baies de Cabernet Franc pendant la maturation: effet du terroir et du millésime**  
 I. ZOUID , F. JOURJON, E. MEHINAGIC, R. SIRET  
 Unité de recherche GRAPPE, UMT VINITERA, Ecole Supérieure d'Agriculture d'Angers  
 France
- 447 ORAL communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Microoxygenation of Pinot Noir: Analytical Guidance to determine its Oxygen Demand**  
 Ulrich, Fischer; Dominik, Durner; Fabian, Weber; Peter, Winterhalter  
 Kompetenzzentrum Weinforschung  
 Germany



- 486 ORAL communication** - Section II - Oenology: D. Wine: a Molecular Construction  
**Genotypic and pheno-metabolomic characterization of a *Saccharomyces cerevisiae* strain collection**  
 R Franco-Duarte, I Mendes, CC Castro, JS Silva, A Xavier, J Drumonde-Neves, C Oliveira, RC Martins, JM Oliveira, AC Ferreira, D Schuller  
 CBMA - Centre of Molecular and Environmental Biology (CBMA) / Department of Biology / University of Minho  
 Portugal

## Section II - Oenology: E. Winemaking Technology

- 29 Short communication** - Section II - Oenology: E. Winemaking Technology  
**The increasing importance of non-*Saccharomyces* yeast in commercial winemaking**  
 Swiegers, Hentie; Goddard, Matthew  
 Chr. Hansen & University of Auckland  
 Denmark
- 63 Short communication** - Section II - Oenology: E. Winemaking Technology  
**Immobilization of yeasts for sparkling wine in biocapsules: first tests on their behaviour**  
 A. Puig-Pujol, E. Bertran, F. Capdevila, M. Vilavella, T. García-Martínez, J. C. Mauricio, S. Mínguez  
 INCAVI-IRTA (Institut Català de la Vinya i el Vi). Estació de Viticultura i Enologia  
 Spain
- 79 ORAL communication** - Section II - Oenology: E. Winemaking Technology  
**Prospecting for autochthonous yeasts to enhance the identity of organic wines**  
 J. Tello, G. Cordero-Bueso, I. Aporta, T. Arroyo  
 Departamento de Agroalimentación, Instituto Madrileño de Investigación y Desarrollo Rural Agrario y Alimentario  
 Spain
- 82 ORAL communication** - Section II - Oenology: E. Winemaking Technology  
**The UV-C: An alternative to the microbiological stabilization of musts and wine**  
 F. Davaux, C. Houbart, M. Carrère  
 French institute of the Vine and the Wine  
 France
- 116 Short communication** - Section II - Oenology: E. Winemaking Technology  
**Increasing the knowledge on seed tannins extraction during winemaking**  
 Hernández-Jiménez, Alberto; Gómez-Plaza, Encarna; Busse-Valverde, Naiara; Jiménez-Pascual, Estefanía; López-Roca, Jose María; Bautista-Ortín, Ana Belén  
 Universidad de Murcia  
 Spain
- 135 ORAL communication** - Section II - Oenology: E. Winemaking Technology  
**Nuevo sistema de vinificación en tinto para aumentar la tipicidad de los vinos**  
 B. Puertas, M.J. Jiménez, R.F. Guerrero, E. Cantos  
 IFAPA Centro Rancho de la Merced.  
 Spain
- 161 ORAL communication** - Section II - Oenology: E. Winemaking Technology  
**Localization of thiols precursors in berries and enological consequences**  
 A. Roland, R. Schneider, F. Charrier, A. Razungles  
 Interloire  
 France
- 174 ORAL communication** - Section II - Oenology: E. Winemaking Technology  
**Développement et utilisation de nouvelles aides technologiques mettant en oeuvre les dérivés de chitine.**  
 A. Bornet, B. Robillard  
 KitoZyme  
 Belgium
- 215 ORAL communication** - Section II - Oenology: E. Winemaking Technology  
**Phenotypic and genotypic characterization of yeasts isolated in Douro wine region**  
 V. Maciel, A. Pacheco, J. T. Simões, M. Roseira, M. J. Sousa  
 CBMA (Centre of Molecular and Environmental Biology), Department of Biology, University of Minho, Braga, Portugal  
 Portugal

- 260 Short communication** - Section II - Oenology: E. Winemaking Technology  
**INFLUENCE OF MICROOXYGENATION TREATMENTS IN DIFFERENT DOSES ON QUALITY WHITE WINES.**  
 González Mendoza, Luis Antonio; Pomar García, Marta; López Betancourt, Pablo; Luengo Barreto, Manuel; Luengo Barreto, Fernando; Ben-Charki-El-Mousati, Naouel  
 University of La Laguna-Tenerife  
 Spain
- 338 Short communication** - Section II - Oenology: E. Winemaking Technology  
**Interest of enzymes in the previous and post-fermentation operations on white wine:**  
 Laurence, Guerin; Joelle, Béguin; Eric , Meistermann; Frédéric, Charrier; Rémi, Guérin-Schneider; Jean-Christophe, Crachereau  
 Institut Français de la vigne et du vin  
 France
- 364 ORAL communication** - Section II - Oenology: E. Winemaking Technology  
**Chestnut wood: a new technological alternative for the ageing of wine brandies**  
 S. Canas, I. Caldeira, A. P. Belchior, M. I. Spranger, M. C. Clímaco, R. Bruno de Sousa  
 INIA – Dois Portos, Instituto Nacional de Recursos Biológicos  
 Portugal
- 382 Short communication** - Section II - Oenology: E. Winemaking Technology  
**Effet des champs électriques pulses sur l'extraction des polyphénols du raisin**  
 Delsart Cristèle, Mietton Peuchot Martine  
 Université de Bordeaux  
 France
- 392 ORAL communication** - Section II - Oenology: E. Winemaking Technology  
**Exploring mathematical methodologies to predict the behavior of wine fermentations**  
 A. Urtubia and A. Hinojosa  
 Departamento de Ingeniería Química y Ambiental. Universidad Técnica Federico Santa María.  
 Chile
- 404 ORAL communication** - Section II - Oenology: E. Winemaking Technology  
**METHOD FOR FAST SEPARATION OF MAGNETIZED *Saccharomyces cerevisiae* FROM SPARKLING WINE**  
 Marin Berovič, Darko Makovec, Suzana Boškovič, Matjaž Berlot  
 Faculty of Chemistry and Chemical Engineering, University of Ljubljana  
 Slovenia
- 411 ORAL communication** - Section II - Oenology: E. Winemaking Technology  
**Effetti della vinificazione "A Gradiente" sulle caratteristiche enologiche di vini di nero di troia in puglia**  
 Savino M., Suriano S., Mazzone F., Nobile T., Tarricone L  
 C.R.A. Unità di ricerca per l'uva da tavola e la vitivinicoltura in ambiente mediterraneo Cantina Sperimentale di Barletta  
 Italy

## Section II - Oenology: F. Wine Analysis and Trade Regulation

- 41 ORAL communication** - Section II - Oenology: F. Wine Analysis and Trade Regulation  
**Multivariate discrimination of wines with respect to grape varieties and vintages**  
 Charlton, Adrian  
 Food and Environment Research Agency  
 United Kingdom Of Great Britain and Northern Ireland
- 71 ORAL communication** - Section II - Oenology: F. Wine Analysis and Trade Regulation  
**Important role of polymeric polyphenols in Enology**  
 Baoshan Sun and M. I. Spranger  
 INIA - Dois Portos, Instituto Nacional de Recursos Biológicos, I.P.  
 Portugal
- 87 Short communication** - Section II - Oenology: F. Wine Analysis and Trade Regulation  
**Clasificación varietal mediante el estudio de pentosas y hexosas a través de cromatografía de intercambio aniónico de alta eficacia acoplada con detección amperométrica de pulsos**  
 Humberto Manzano, Raquel Romano, Luciana Garcia, Omar Bauzá, Raquel Gargantini, Lía Gerschenson  
 Normas Analíticas Especiales, Subgerencia de Investigación para la fiscalización Instituto Nacional de Vitivinicultura  
 Argentina



- 96 **ORAL communication** - Section II - Oenology: F. Wine Analysis and Trade Regulation  
**Determination des rapports isotopiques des principaux composants des vins par HPLC-co-IRMS: une voie vers la détermination de constantes d'authenticité**  
 F. Guyon, L. Gaillard, MH. Salagoity, B. Médina  
 Service Commun des Laboratoires 3  
 France
- 130 **Short communication** - Section II - Oenology: F. Wine Analysis and Trade Regulation  
**X-Metabolomics: The X-windows high-throughput mass spectroscopy metabolomics pipeline**  
 Silva Ferreira, Antonio Cesar; Martins, Rui C  
 Universidade Catolica Portuguesa - Escola Superior de Biotecnologia - CBQF  
 Portugal
- 340 **Short communication** - Section II - Oenology: F. Wine Analysis and Trade Regulation  
**Determination of pesticide residues in wine by a SPME-GC-MS/MS method**  
 C. Esteves, J. Martins  
 Instituto dos Vinhos do Douro e do Porto, I. P.  
 Portugal

## Section II - Oenology: G. Wine Metrics and Sensors

- 6 **Short communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**Validation of a laser spectroscopic method for the determination of dissolved carbon dioxide in bottles of still wine**  
 J.C. Vidal, A. Gianduzzo, V. Chauvet, I. Sirena  
 INRA UE999 Pech-Rouge, France  
 France
- 22 **Short communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**Rare earths data for geographical origin assignment of wine: a portuguese case study**  
 S. Catarino1,; I.M. Trancoso1; M. Madeira; F. Monteiro; R. Bruno de Sousa; A.S. Curvelo-Garcia  
 Instituto Nacional de Recursos Biológicos I.P. - Portugal  
 Portugal
- 62 **Short communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**Ultrasonic Study of Red Wine Properties: Preliminary Measurements.**  
 J. García-Álvarez, D.F. Novoa-Díaz, E. Bertran, J.A. Chávez, A. Puig-Pujol, A. Turó, S. Mínguez, M.J. García-Hernández, J. Capdevila, J. Salazar  
 Grup Sistemes Sensors. Departament Enginyeria Electrònica. Universitat Politècnica de Catalunya  
 Spain
- 90 **Short communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**Pratique de l'analyse sensorielle des vins sous assurance qualité (norme ISO 17025). Application a la reconnaissance de défauts**  
 M-H. Salagoity, C. Lagrèze, J. Gaye, A. Domec, B.Médina  
 Service Commun des Laboratoires  
 France
- 100 **ORAL communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**Managing Port Wine Quality : Strategies and Tools**  
 R.C. Martins, A.C. Silva Ferreira.  
 Molecular Biology and Ecology Research Center, University of Minho, Campus de Gualtar, Braga – Portugal  
 Portugal
- 200 **ORAL communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**Application of Nanostructural Silver to Impede Acetic Acid Bacteria in Wines**  
 N. Ebelashvili and E. Salia  
 Institute of Horticulture, Viticulture and Oenology  
 Georgia
- 249 **Short communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**The oldfactory abilities of wine experts: sensivity and learning**  
 S. Tempère, E. Cuzange, JC. Bougeant, G. de Revel, G. Sicard  
 Univ. de Bordeaux, ISVV, EA 4577, Unité de recherche Oenologie  
 France



- 272 ORAL communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**Argentinean commercial Malbec wines: regional sensory profiles**  
 Ana Carla Aruani, Claudia Inés Quini, Hugo Ortiz, Rodolfo Videla, Marcelo Murgo, and Sebastián Prieto  
 Departamento de Estudios Enológicos y Sensoriales, Instituto Nacional de Vitivinicultura (INV)  
 Argentina
- 297 ORAL communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**Detection of defects by a Tasting Chamber and their correlation with analytical results**  
 M. Roseira, B. Amaral  
 Instituto dos Vinhos do Douro e do Porto, I. P.  
 Portugal
- 357 ORAL communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**Multisensory systems applied to analysis of wine**  
 Jimenez, Cecilia; Gutierrez, Manuel; Capdevila, Fina; Minguez, Santiago  
 IMB-CNM, CSIC  
 Spain
- 395 Short communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**Electronic tongue sensor system for wine analysis**  
 A. M. Simões da Costa, A. Rudnitskaya, I. Delgadillo  
 CESAM and Chemistry Department, Aveiro University  
 Portugal
- 437 ORAL communication** - Section II - Oenology: G. Wine Metrics and Sensors  
**Madeira Wine ageing process - a strategy for process control**  
 Ana C. Pereira, Marco S. Reisa, Pedro M. Saraivaa, V. Pereirab, José C. Marques  
 CIEPQPF, Department of Chemical Engineering, University of Coimbra, Pólo II  
 Portugal

## Section III - Economics & Law: H. Constructing New Markets / New Products

---

- 12 ORAL communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Increasing efficiency in production management of a wine enterprise: The Project I.C.O.N.E.**  
 António GRAÇA, Miguel PESSANHA  
 SOGRAPE VINHOS, S.A  
 Portugal
- 24 ORAL communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Marca colectiva dos vinhos finos de Santa Catarina, Brasil: uma estratégia alternativa**  
 J. F. da Silva Protas  
 Embrapa Uva e Vinho  
 Brazil
- 49 Short communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Zucchero d´uva: Impieghi e prospettive**  
 Mauro Manaresi  
 Manaresi Co.  
 Italy
- 112 ORAL communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Weiß-, Rot-, Zwischenwein**  
 Wolfgang Haupt  
 Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz  
 Germany
- 136 Short communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Estratégias de las vinícolas en São Paulo, Brasil: estudios de casos**  
 Geni Satiko Sato, Humberto Sebastião Alves, Vivian Strehlau  
 Instituto de Economia Agrícola – IEA, São Paulo  
 Brazil

- 138 Short communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Study of the Wine Social Representations and Wine Symbologies**  
 Geni Satiko Sato, Livia Barbosa , Vivian Strehlau  
 Researcher of Agriculture Economy Institute  
 Brazil
- 165 ORAL communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Innovation in wine SME: the portuguese case of Douro Boys**  
 Dorli Muhr, João Rebelo, Dirk van der Niepoort  
 Wine&Partners  
 Austria
- 175 ORAL communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Consumers perception of dealcoholization and technological intensity on wine**  
 A. Seccia, A. Stasi, F. Bimbo, R. Viscecchia  
 University of Bari  
 Italy
- 191 ORAL communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Innovation and Technological Regimes in the Italian Wine Production**  
 D. Cavallaro, A. Stasi, G. Nardone  
 Bocconi University  
 Italy
- 206 Short communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Biologically Active Substances in Polyphenol Concentrated Juices Prepared from Red Grape Varieties**  
 N.Ebelashvili, M. Kuridze, Sh.Shatirishvili, M. Guliashvili, N. Chkhartishvili  
 Institute of Horticulture, Viticulture and Oenology  
 Georgia
- 240 Short communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Recent advances in industrial reprocessing of waste grape skins**  
 M. A. Pedroza, M. Carmona, M. R. Salinas, A. Zalacain  
 Escuela Técnica Superior de Ingenieros Agrónomos. Universidad Castilla-La Mancha  
 Spain
- 293 ORAL communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**Where Art and Science meet - constructing a better wine sector future**  
 Peter Hayes, Tony Battaglene, I.A.(Sakkie) Pretorius, Kym Anderson  
 Winemakers' Federation of Australia  
 Australia
- 352 Short communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**A Scenario analysis of products derived from wine dealcoholization**  
 Seccia A., Maggi G., Carlucci D.  
 Dipartimento di Scienze Agro-Ambientali e Territoriali, University of Bari  
 Italy
- 444 ORAL communication** - Section III - Economics & Law: H. Constructing New Markets / New Products  
**The construction of a collective identity trademark for the communication of the "heroic wine"**  
 G. Macchi  
 CERVIM  
 Italy

## Section III - Economics & Law: I. Monitoring Markets and Consumers

- 104 Short communication** - Section III - Economics & Law: I. Monitoring Markets and Consumers  
**Geographical Indication: a comparative approach between the old and the wine world**  
 Kelly Lissandra BRUCH, Vera Maria Jacob de FRADERA  
 IBRAVIN, UFRGS, ULBRA, Université Rennes  
 Brazil
- 122 Short communication** - Section III - Economics & Law: I. Monitoring Markets and Consumers  
**Value, volume and geography of new wine markets**  
 A. Mariani, F. Napoletano, E. Pomarici  
 Università degli Studi di Napoli Parthenope  
 Italy





## Section IV – Health & Wine: K. Constructing Healthier Wines

---

- 48 Short communication** - Section IV – Health & Wine: K. Constructing Healthier Wines  
**Polyphenols content and antioxidant activity of grape, grape juices and musts**  
C. Di Lorenzo, A. Dos Santos, E. Peñas, E. Moro, C. Ballabio, F. Uberti, P. Restani  
Department of Pharmacological Sciences, Università degli Studi di Milano, Italy  
Italy
- 50 ORAL communication** - Section IV – Health & Wine: K. Constructing Healthier Wines  
**Allergenic residues in commercial wines fined with caseinates or egg white proteins**  
P. Restani, F. Uberti, C. Ballabio, E. Peñas, C. Di Lorenzo, R. Danzi, C. Tarantino  
Department of Pharmacological Sciences, Università degli Studi di Milano, Italy  
Italy
- 336 ORAL communication** - Section IV – Health & Wine: K. Constructing Healthier Wines  
**Microbiota-phenolics associated-changes in the incubation of a wine phenolic extract with human faeces**  
Carolina Cueva, Fernando Sánchez-Patán, Maria Monagas, Pedro J. Martín-Álvarez, Gemma Watson, Glenn R. Gibson, M. Victoria Moreno-Arribas, Begoña Bartolomé\*  
Instituto de Investigación en Ciencias de la Alimentación (CIAL)  
Spain
- 378 Short communication** - Section IV – Health & Wine: K. Constructing Healthier Wines  
**Influence of oenological practices on the detection of allergenic proteins in wine**  
Rösti, Johannes; Belcher, Sandrine; Jeanneret, Céline  
Agroscope Changins-Wädenswil ACW  
Switzerland
- 493 Short communication** - Section IV – Health & Wine: K. Constructing Healthier Wines  
**Phenolic compounds of red wines related to neuroprotective and vasodilatory effect**  
S. Martín, P. Gómez-Serranillos, T. Ortega, O. Palomino, E. Carretero, I. Estrella, T. Hernández, M. Prodanov, V. Vacas  
Departamento de Farmacología, Universidad Complutense de Madrid  
Spain
- 27 ORAL communication** - Section IV - Health & Wine: K. Constructing Healthier Wines  
**Facteurs technologiques et oenologiques de maîtrise des sulfites en fermentation alcoolique**  
PIC Lucile, PLADEAU Valérie, GRANES Daniel  
Groupe ICV - Direction générale  
France

## Section IV – Health & Wine: L. Managing Information about Health and Wine

---

- 239 ORAL communication** - Section IV – Health & Wine: L. Managing Information about Health and Wine  
**Sulla determinazione del Bisfenolo nei vini. Nota preliminare.**  
A. Cichelli, M. Del Carlo ; D. Compagnone; A. Pepe; M. Di Martino  
DEc. Laboratorio di Merceologia, Università Chieti-Pescara  
Italy
- 248 ORAL communication** - Section IV – Health & Wine: L. Managing Information about Health and Wine  
**Mycotoxigenic fungi in Portuguese wine regions: fumonisin B2, and ochratoxin A**  
T. Calado, L. Abrunhosa, A. Venâncio  
IBB, Institute for Biotechnology and Bioengineering, Centro de Engenharia Biológica, Universidade do Minho  
Portugal
- 269 Short communication** - Section IV – Health & Wine: L. Managing Information about Health and Wine  
**Screening of yeasts from Georgia to degrade copper oxchloride containing pesticides**  
L.L.Amiranashvili, N.A.Gagelidze, Kh.I.Varsimashvili, L.M.Tinikashvili, T.Z. Sachaneli-Qadagishvili, L.L. Tolordava, E.G.Kirtadze  
S.Durmishidze Institute of Biochemistry and Biotechnology of NLE Georgian Agrarian University  
Georgia



- 298 Short communication** - Section IV – Health & Wine: L. Managing Information about Health and Wine  
**Study of some bioactive properties of polyphenolic extracts obtained from Feteasca Neagra grapes variety**  
 Ancuța VASILE, Valeriu V. COTEA, Costică SAVIN, Rotinberg PINCU, Rodica PAȘA, Bogdan NECHITA  
 1University of Agricultural Sciences and Veterinary Medicine “Ion Ionescu de la Brad” Iași  
 Romania
- 403 Short communication** - Section IV – Health & Wine: L. Managing Information about Health and Wine  
**Biogenic amines in Rhône valley wines - a survey over 15 years**  
 B Bach  
 INTER RHONE  
 France
- 33 ORAL communication** - Section IV - Health & Wine: L. Managing Information about Health and Wine  
**Monitoring of the phthalate content levels in Moldavian wine**  
 Duca George, Sturza Rodica, Gaina Boris, Lazakovich Dmitri  
 Academy of Sciences of Moldova  
 Republic of Moldova

## Section V - Designing for wine: O. Wine Trade, Urban Development and City Planning

- 32 ORAL communication** - Section V - Designing for wine: O. Wine Trade, Urban Development and City Planning  
**La relación de la dinámica demográfica y la expansión de los viñedos en las denominaciones de origen del centro de la cuenca del duero**  
 Julio Fernández Portela  
 Becario del Programa de Formación de Profesorado Universitario del Ministerio de Educación. Universidad de Valladolid (España)  
 Spain
- 39 ORAL communication** - Section V - Designing for wine: O. Wine Trade, Urban Development and City Planning  
**Cambios en el paisaje vitivinícola de la ribera del duero vallisoletana: las nuevas bodegas y el desarrollo del enoturismo**  
 Julio Fernández Portela  
 Becario del Programa de Formación de Profesorado Universitario del Ministerio de Educación. Universidad de Valladolid (España)  
 Spain
- 422 ORAL communication** - Section V - Designing for wine: O. Wine Trade, Urban Development and City Planning  
**Colónia Agrícola de Pegões no contexto da Junta de Colonização Interna**  
 Filipa de Castro Guerreiro  
 Faculdade de Arquitectura de Universidade do Porto  
 Portugal
- 499 ORAL communication** - Section V - Designing for wine: O. Wine Trade, Urban Development and City Planning  
**O Porto no século XVI: comércio, religião e paisagem urbana**  
 José Ferrão Afonso  
 Escola da Artes da Universidade Católica Portuguesa, Centro Regional do Porto  
 Portugal

## Section V - Designing for wine: P. Winery Design

---

- 73 Short communication** - Section V - Designing for wine: P. Winery Design  
**How to produce vinho verde - a multimedia information system**  
José Luís Reis, Pedro Neves, Paulo Martins  
Comissão de Viticultura Região Vinhos Verdes e IPAM, Porto, Portugal  
Portugal
- 93 ORAL communication** - Section V - Designing for wine: P. Winery Design  
**Douro Architecture Prize**  
Filinto Girão Osório  
Portugal
- 105 ORAL communication** - Section V - Designing for wine: P. Winery Design  
**Landscapes and representative works of Wine Architecture**  
María José Yravedra Soriano  
Spain
- 203 ORAL communication** - Section V - Designing for wine: P. Winery Design  
**Quinta da Touriga Winery**  
António Leitão Barbosa  
António Leitão Barbosa R31J Arquitectos  
Portugal
- 346 ORAL communication** - Section V - Designing for wine: P. Winery Design  
**Design analysis methodology of Rioja wineries using multivariate statistical and methodology SLP**  
Gómez, Javier; Ayuga, Francisco; López, Miguel; Altuzarra, Alfredo  
Faber 1900 SLP  
Spain
- 412 Short communication** - Section V - Designing for wine: P. Winery Design  
**A luz natural nas adegas do Douro**  
Eduardo Santelmo Teixeira Gomes  
Portugal
- 423 Short communication** - Section V - Designing for wine: P. Winery Design  
**Don Maximano Icon Winery**  
J. Moreno  
Viña Errázuriz S.A  
Chile
- 498 ORAL communication** - Section V - Designing for wine: P. Winery Design  
**Adega Casa da Torre**  
Carlos Castanheira  
Carlos Castanheira, architects  
Portugal

## Section V - Designing for wine: Q. Wine Industry Design

---

- 142 ORAL communication** - Section V - Designing for wine: Q. Wine Industry Design  
**Ein interkultureller Vergleich von Nachhaltigkeit in der Weinbranche**  
G. Szolnoki  
Geisenheim, Fachgebiet Betriebswirtschaft und Marktforschung  
Germany
- 222 ORAL communication** - Section V - Designing for wine: Q. Wine Industry Design  
**Vinos de Colombia: Construyendo el futuro de la vitivinicultura de un país**  
J. Franco  
Colombia

- 396 Short communication** - Section V - Designing for wine: Q. Wine Industry Design  
**Valorizzazione energetica dei residui vitivinicoli: fattibilità tecnica ed economica**  
 G. Malorgio, E. Arba  
 Dipartimento di Economia e Ingegneria Agrarie  
 Italy
- 407 Short communication** - Section V - Designing for wine: Q. Wine Industry Design  
**Terroirs et savoirs collectifs**  
 Alain, Mur  
 France
- 470 Short communication** - Section V - Designing for wine: Q. Wine Industry Design  
**Planeamento de um moderno laboratório de vinhos**  
 I. Barros, P. Barros  
 Instituto dos Vinhos do Douro e do Porto, I. P.  
 Portugal
- 496 ORAL communication** - Section V - Designing for wine: Q. Wine Industry Design  
**3 wine cellars**  
 João Pedro Serôdio  
 Serôdio Furtado & Associados, Arquitectos  
 Portugal

## Section V - Designing for wine: R. Wine and Tourism

- 186 Short communication** - Section V - Designing for wine: R. Wine and Tourism  
**Construção do enoturismo em São Roque (Brazil): uma conspiração voltada ao desenvolvimento**  
 Sandro Marcelo Cobello, Adriana Renata Verdi, Malimíria Norico Otani  
 Magister Anhembi Morumbi University, São Paulo, Brazil  
 Brazil
- 251 ORAL communication** - Section V - Designing for wine: R. Wine and Tourism  
**L'Homme "Createur" de paysages viticoles: gouvernance et labellisation patrimoniale des terroirs**  
 Joël ROCHARD, Carine HERBIN  
 IFV – Pôle national développement durable  
 France
- 319 Short communication** - Section V - Designing for wine: R. Wine and Tourism  
**2500 años de producción de vino en la DO Utiel Requena. Estrategias turísticas para un enoturismo de calidad.**  
 Asunción Martínez Valle, Carmen Pérez  
 Spain
- 399 ORAL communication** - Section V - Designing for wine: R. Wine and Tourism  
**A new perspective on wine tourism: Iter Vitis where taste meets beauty**  
 E. Panke, P. Benvenuti  
 Iter Vitis Les Chemins de la Vigne  
 Italy
- 460 Short communication** - Section V - Designing for wine: R. Wine and Tourism  
**Wine Cellars with a signature. A combination of wine and architecture.**  
 M. Melo  
 Cultour  
 Portugal
- 463 ORAL communication** - Section V - Designing for wine: R. Wine and Tourism  
**Benchmarking Wine Web Portals: the Wines of Portugal Portal**  
 Henriqueta Nóvoa, Ana Sofia Marques  
 Universidade do Porto, Faculdade de Engenharia  
 Portugal
- 466 ORAL communication** - Section V - Designing for wine: R. Wine and Tourism  
**Quinta das Carvalhas: uma imagem nova no "Alto Douro"**  
 Rui Soares, Álvaro Lopes, Sérgio Soares, Luís Carvalho, Pedro Silva Reis  
 Real Companhia Velha  
 Portugal



- 497 ORAL communication** - Section V - Designing for wine: R. Wine and Tourism  
**Quinta do Vallado**  
 Francisco Vieira de Campos  
 Guedes + DeCampos  
 Portugal

## Section V - Designing for wine: S. Wine Apparatus and Accessories

- 177 ORAL communication** - Section V - Designing for wine: S. Wine Apparatus and Accessories  
**New securing procedures applied to corks sensory performance - innovating methods on a traditional closure**  
 Ana Cristina Mesquita, Antonio Costa, M<sup>a</sup> do Rosário Costa, Maria da Piedade Calheiros  
 Cork Supply Portugal  
 Portugal
- 256 ORAL communication** - Section V - Designing for wine: S. Wine Apparatus and Accessories  
**Constructing Quality Ports with Automated Robotic Lagares**  
 C. Symington, F. Rogerson, A. Serôdio and P. Symington  
 Symington Family Estates  
 Portugal
- 314 Short communication** - Section V - Designing for wine: S. Wine Apparatus and Accessories  
**Designing a support for bottles: Constructing the identity of Port Wine**  
 N. Travasso, P. Gerales  
 Centro de Estudos de Arquitectura e Urbanismo – FAUP  
 Portugal
- 414 Short communication** - Section V - Designing for wine: S. Wine Apparatus and Accessories  
**THE ROLE OF CORKS ON RANDOM OXIDATION OF WINES**  
 Mesquita, Ana Cristina; Silva Ferreira, Antonio; Oliveira, Carla; Guedes de Pinho, Paula  
 Cork Supply Portugal, S.A  
 Portugal
- 419 ORAL communication** - Section V - Designing for wine: S. Wine Apparatus and Accessories  
**Green initiatives related to corks: Assessing the environmental impact of natural cork stoppers through life cycle assessment**  
 Rui Pedro Silva, Ana Cristina Mesquita, Frederico Lima Mayer, Belmira Neto  
 Cork Supply Portugal, S.A  
 Portugal
- 490 Short communication** - Section V - Designing for wine: S. Wine Apparatus and Accessories  
**Gas released from cork after bottling**  
 Orlando M.N.D. Teodoro, Ana C. Mesquita  
 CEFITEC – Departamento de Física da Faculdade de Ciências e Tecnologia Universidade Nova de Lisboa  
 Portugal