

Contents

Original Articles

Uneven distribution of flavour components in tablegrape berries _____ <i>I. Maoz, D. Beno-Moualem, T. Kaplunov, E. Lewinsohn and A. Lichter</i>	343
Influence of polysaccharides on the taste and mouthfeel of white wine _____ <i>R. Gawel, P.A. Smith and E.J. Waters</i>	350
Geographical classification of Chinese Cabernet Sauvignon wines by data fusion of ultraviolet-visible and synchronous fluorescence spectroscopies: the combined use of multiple wavelength differences _____ <i>J. Tan, R. Li, Z.-T. Jiang, Y. Zhang, Y.-M. Hou, Y.-R. Wang, X. Wu and L. Gong</i>	358
Side activities of commercial enzyme preparations and their influence on the hydroxycinnamic acids, volatile compounds and nitrogenous components of white wine _____ <i>G. Fia, V. Olivier, A. Cavaglioni, V. Canuti and B. Zanoni</i>	366
Small amounts of charcoal during fermentation reduce fungicide residues without penalising white wine aroma compounds and colour _____ <i>G. Nicolini, T. Román Villegas, L. Tonidandel, S. Moser and R. Larcher</i>	376
Composition of <i>Saccharomyces cerevisiae</i> strains in spontaneous fermentations of Pinot Noir and Chardonnay _____ <i>C.M. Scholl, S.C. Morgan, M.L. Stone, M. Tantikachornkiat, M. Neuner and D.M. Durall</i>	384
Control of halophenol and haloanisole concentration in wine cellar environments, wines, corks and wood staves using gas chromatography with mass spectrometry _____ <i>J.I. Cacho, J. Nicolás, P. Viñas, N. Campillo and M. Hernández-Córdoba</i>	391
Identification of a defoliation severity threshold for changing fruitset, bunch morphology and fruit composition in Pinot Noir _____ <i>D. Acimovic, L. Tozzini, A. Green, P. Sivilotti and P. Sabbatini</i>	399
Light promotes expression of monoterpenes and flavonol metabolic genes and enhances flavour of winegrape berries (<i>Vitis vinifera</i> L. cv. Riesling) _____ <i>M. Friedel, J. Frotscher, M. Nitsch, M. Hofmann, J. Bogs, M. Stoll and H. Dietrich</i>	409
Application of shade treatments during Shiraz berry ripening to reduce the impact of high temperature _____ <i>L. Caravia, C. Collins, P.R. Petrie and S.D. Tyerman</i>	422
Calibration of non-invasive fluorescence-based sensors for the manual and on-the-go assessment of grapevine vegetative status in the field _____ <i>M.P. Diago, C. Rey-Caramez, M. Le Moigne, E.M. Fadaili, J. Tardaguila and Z.G. Cerovic</i>	438
New multipest damage indicator to assess protection strategies in grapevine cropping systems _____ <i>M. Fermaud, N. Smits, A. Merot, J. Roudet, D. Thiéry, J. Wery and L. Delbac</i>	450
Phosphorus speciation of dormant grapevine (<i>Vitis vinifera</i> L.) canes in the Barossa Valley, South Australia _____ <i>A.L. Doolette and R.J. Smernik</i>	462
Detection of grape phylloxera (<i>Daktulosphaira vitifoliae</i> Fitch) by real-time quantitative PCR: development of a soil sampling protocol _____ <i>D. Giblot-Ducray, R. Correll, C. Collins, A. Nankivell, A. Downs, I. Pearce, A.C. McKay and K.M. Ophel-Keller</i>	469
Genome-wide identification, annotation and expression profile analysis of <i>SnRK2</i> gene family in grapevine _____ <i>J.-Y. Liu, N.-N. Chen, Z.-M. Cheng and J.-S. Xiong</i>	478
Origin of Termarina cultivar, another grapevine (<i>Vitis vinifera</i> L.) parthenocarpic somatic variant _____ <i>M. Crespan, R. Carraro, M. Giust and D. Migliaro</i>	489
Microanatomy of leaf trichomes: opportunities for improved ampelographic discrimination of grapevine (<i>Vitis vinifera</i> L.) cultivars _____ <i>P. Gago, G. Conéjéro, M.C. Martínez, S. Boso, P. This and J.-L. Verdeil</i>	494
Characterisation of the Portuguese grapevine germplasm with 48 single-nucleotide polymorphisms _____ <i>J. Cunha, J. Ibáñez, M. Teixeira-Santos, J. Brazão, P. Feveiro, J.M. Martínez-Zapater and J.E. Eiras-Dias</i>	504