

Contents

Auxin treatment of pre-veraison grape (<i>Vitis vinifera</i> L.) berries both delays ripening and increases the synchronicity of sugar accumulation _____	1
<i>C. Böttcher, K. Harvey, C.G. Forde, P.K. Boss and C. Davies</i>	
Sensory properties of premium Spanish red wines and their implication in wine quality perception _____	9
<i>M.-P. Sáenz-Navajas, C. Martín-López, V. Ferreira and P. Fernández-Zurbano</i>	
Protein evolution during the early stages of white winemaking and its relations with wine stability _____	20
<i>S. Vincenzi, M. Marangon, S. Tolin and A. Curioni</i>	
Protein stabilisation of white wines using zirconium dioxide enclosed in a metallic cage _____	28
<i>M. Marangon, M. Lucchetta and E.J. Waters</i>	
Allometric and biochemical responses of grapevines subjected to drought and enhanced ultraviolet-B radiation _____	36
<i>G. Doupis, K. Chartzoulakis, A. Beis and A. Patakas</i>	
Suitability of pre-dawn and stem water potential as indicators of vineyard water status in cv. Tempranillo _____	43
<i>L.G. Santesteban, C. Miranda and J.B. Royo</i>	
Projecting the impacts of climate change on the phenology of grapevine in a mountain area _____	52
<i>A. Caffarra and E. Eccel</i>	
Non-destructive measurement of grapevine water potential using near infrared spectroscopy _____	62
<i>R. De Bei, D. Cozzolino, W. Sullivan, W. Cynkar, S. Fuentes, R. Damberg, J. Pech and S. Tyerman</i>	
Vineyard variability in Marlborough, New Zealand: characterising variation in vineyard performance and options for the implementation of Precision Viticulture _____	72
<i>R.G.V. Bramley, M.C.T. Trought and J-P. Praat</i>	
Vineyard variability in Marlborough, New Zealand: characterising spatial and temporal changes in fruit composition and juice quality in the vineyard _____	79
<i>M.C.T. Trought and R.G.V. Bramley</i>	
Effect of pre- and post-veraison water deficit on proanthocyanidin and anthocyanin accumulation during Shiraz berry development _____	90
<i>D. Ollé, J.L. Guiraud, J.M. Souquet, N. Terrier, A. Ageorges, V. Cheynier and C. Verries</i>	
Systemic damage in leaf metabolism caused by esca infection in grapevines _____	101
<i>C. Valtaud, F. Thibault, P. Larignon, C. Bertsch, P. Fleurat-Lessard and A. Bourbouloux</i>	