

I. Publikasies / Publications

NAVORSINGPUBLIKASIES/RESEARCH PUBLICATIONS

HOOFSTUKKE IN BOEKE CHAPTERS IN BOOKS

1997

- (1) Pretorius, I.S. 1997. Utilization of polysaccharides by *Saccharomyces cerevisiae*. In: F.K. Zimmermann & K.-D. Entian (eds.), *Yeast Sugar Metabolism*. Technomic Publishing Co., Inc., Lancaster, Pennsylvania, USA. pp. 459-501.

1998

- (2) Van Zyl, W.H., D.C. la Grange, J.M. Crous, M. Luttig, P. van Rensburg & I.S. Pretorius. 1998. Cloning of hydrolases from *Trichoderma reesei* and other microorganisms in yeast. In: M. Claeysens, W. Nerinckx & K. Piens (eds.), *Carbohydrates from Trichoderma reesei and other microorganisms: structures, biochemistry, genetics and applications*. Department of Biochemistry, Microbiology and Physiology, University of Ghent, Ghent, Belgium. pp. 280-287.

1999

- (3) K.J. Verstrepen, F.F. Bauer, C. Michiels, G. Derdelinckx, F.R. Delvaux & I.S. Pretorius. 1999. Controlled expression of FLO1 in *Saccharomyces cerevisiae*. In: Eur. Brew. Conv. Monograph 28. Yeast physiology – a new era of opportunity. pp 30-42.

2001

- (4) Bauer, F.F. & I.S. Pretorius. 2001. Pseudohyphal and invasive growth in *Saccharomyces cerevisiae*: signal transduction during nutrient limitation. In: A. Durieux & J.-P. Simon (eds.), *Focus on Biotechnology - Applied Microbiology*. Kluwer Academic Publisher, London, United Kingdom. pp. 109-134.

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- (5) Verstrepen, K.J., N. Moonjai, F.F. Bauer, G. Derdelinckx, J.-P. Dufour, J. Winderickx, J.M. Thevelein, I.S. Pretorius & F.R. Delvaux. 2003. Genetic Regulation of ester synthesis in yeast: new facts, insights and implications for the brewer. In: K. Smart (ed.), *Brewing Yeast Fermentation Performance*, 2nd ed. Blackwell Science Ltd, Oxford, United Kingdom. pp. 234-248.

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- (6) Pretorius, I.S. 2004. The genetic improvement of wine yeasts. In: D. Arora, P.D. Bridge & D. Bhatnagar (eds.), *Handbook of Fungal Biotechnology* (2nd ed.). Marcel Dekker, Inc., New York, USA. pp. 209-232.
- (7) Pretorius, I.S. 2004. The genetic analysis and tailoring of wine yeasts. In: J.H. de Winde (ed.), *Topics in Current Genetics, Vol 2; Functional Genetics of Industrial Yeasts*. Springer Verlag, Heidelberg, Germany. pp. 99-142.

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- (8) Pretorius, I.S., E.J. Bartowsky, F.F. Bauer, M. de Barros Lopes, M. du Toit, P. van Rensburg & M.A. Vivier. 2006. The tailoring of designer grapevines and microbial starter strains for a market-directed and quality-focussed wine industry. In: H.Y. Hui, E. Castell-Perez, L.M. Cunha, I. Guerrero-Legarreta, H.H. Liang, Y.M. Lo, D.L. Marshall, W.K. Nip, F. Shahidi, F.Sherkat, R.J. Winger & K.L. Yam (eds), *Handbook of Food Science, Technology and Engineering; Volume 4 – Food Technology and Food Processing*. C.R.C. Taylor & Francis (New York), USA. Chapter 174, pp. 174-1 – 174-24.

POPULÊRE ARTIKELS POPULAR ARTICLES

1998

- (1) Lambrechts, M.G. 1998. Origins of acetic acid in wine. *Outlook 1*: 1-2.
- (2) Van Rensburg, P. & I.S. Pretorius. 1998. Ensieme betrokke by wynproduksie (Deel I). *Wynboer Tegnies 12*: T5-T7.

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- (3) Du Toit, W., P. Ellis & M.G. Lambrechts. 1999. Bronne van asynsuur en ander vetsure in kommersiële rooiwynfermentasies. *Wynboer* Januarie, p 55.
- (4) Lambrechts, M.G. 1999. Die effek van hoë suikerkonsentrasies op die gissel. *Outlook 2*: 1-3.
- (5) Van Rensburg, P. & I.S. Pretorius. 1999. Ensieme betrokke by wynproduksie (Deel II). *Wynboer 114*: T8-T10.
- (6) Van Rensburg, P. & I.S. Pretorius. 1999. Ensieme betrokke by wynproduksie (Deel III). *Wynboer 115*: T10-T12.
- (7) Vivier, M.A. 1999. Transgeniese druifkultivars gemik op siekteweerstand. *Wynboer 125*: T10-T12.

2001

- (8) Gey van Pittius, M.H., P. van Rensburg & I.S. Pretorius. 2001. Extractable or not? – that is the question. *Wynboer* 126-127.
- (9) Verstrepen, K.J., F.F. Bauer, J. Winderickx, G. Derdelinckx, J.-P. Dufour, J.M. Thevelein, I.S. Pretorius & F.R. Delvaux. 2001. Genetic modification of *Saccharomyces cerevisiae*: fitting the modern brewer's needs. *Cerevisia* 26: 89-97.

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- (10) Du Toit, M. 2002. Lactic acid bacteria: Friend or foe? *Outlook* 3: 1 & 4.
- (11) Nieuwoudt, H.H., B. Prior, S. Pretorius & F.F. Bauer. 2002. Glycerol production in Chardonnay wine. *Wynboer* 160: 96-101.
- (12) Nieuwoudt, H.H., K. Jordan & B. Prior. 2002. Glycerol production in Chardonnay wine. *Wynboer* 160: 103-105.
- (13) Pretorius, I.S. & F.F. Bauer. 2002. Genes, vines and wines. *Grape* 16: 16-19.

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- (14) Du Toit, M. 2003. Yeast and Bacteria associated with Winemaking. *Bug News, The Swift Micro Laboratories Newsletter* March/April: 2-3.
- (15) Du Toit, M., M.A. Vivier & P. van Rensburg. 2003. Biopreservation and increasing the wholesomeness of wine. *Lallemand Technical Brochure "Beverages, Fermentation and Health* 11: 27-32.

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- (16) Du Plessis, H.W., C.L.C. Snyman, M. du Toit & M.G. Lambrechts. 2004. Die voorkoms van appelmelksuurgisting in Suid-Afrikaanse rabatwyn. *Wynboer* 177: 81-82.
- (17) Malherbe, D. & P. van Rensburg. 2004. Let the yeast do the work for you: Less alcohol per bottle. *Wynboer* 179: 11-12
- (18) Sheridan, C., F.F. Bauer & L. Lorenzon. 2004. Empirical and economic modelling of winery and effluent parameters. *Wynboer* 185, 83-87

2005

- (19) Guillamón J.M. & R.R. Cordero Otero. 2005. Análisis de genes reguladores en la respuesta de *S. cerevisiae* a las bajas temperaturas. Avances en ciencias y técnicas enológicas-1. Publicado por el Instituto tecnológico agrario de Castilla y León, Spain.
- (20) Oelofse, A. 2005. *Brettanomyces* Research. *Thales Wine Cellar Hygiene Newsletter*, March.
- (21) Sheridan, C., F.F. Bauer, & L. Lorenzon. 2005. Perceptions and realities – water, effluent and environmental management systems in the SA wine industry. *Wynboer* 186: 106-108.
- (22) Van Rensburg P. 2005. Les levures hybrides, un outil exceptionnel pour les fermentatins. *Revue Francaise d'Oenologie* 213: 15-17.
- (23) Van Rensburg, P. 2005. Hybrid wine yeasts, offering the winemaker a unique fermentation tool. *The Australian & New Zealand Grapegrower & Winemaker*, February 2005: 56-60.

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- (24) Du Toit, M., M.A. Vivier & P. van Rensburg. 2006. Enhancing the wholesomeness of wine. *Food Review* 33 (2): 25-26.
- (25) Malherbe, S., F.F. Bauer & M. du Toit. 2006. Industry-wide investigation into the occurrence and causes of problem fermentations. *Wynboer* 197: 89-91.
- (26) Oelofse, A. & M. du Toit. 2006. *Brettanomyces/Dekkera* during winemaking. (Part 1). What the winemaker should know. *Wynboer* 198: 65-67.
- (27) Oelofse, A. & M. du Toit. 2006. *Brettanomyces/Dekkera* tydens wynmaak. (Deel 2). Wat die wynmaker kan doen. *Wynboer* 199: 66-67.
- (28) Schoeman, H. 2006. Is SO₂'s days numbered? SO₂ versus antimicrobial peptides in wine preservation. *Wynboer* 197: 98-99.

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- (29) Divol, B.T. & F.F. Bauer. 2008. La biologie systémique, les levures et le secteur vitivinicole [Systems biology, yeast and the wine industry – **PUBLISHED IN FRENCH**]. *La Revue des oenologues* 129: 55-58.
- (30) Malherbe, S. & M. du Toit. 2008. Problem fermentations? Facts, solutions and methods. *Outlook* Vol. 10 (2): 2-3.

GEPUBLISEERDE KONGRESVERRIGTINGE
PUBLISHED CONFERENCE PROCEEDINGS

1999

- (1) Verstrepen, K.J., F.F. Bauer, C. Michiels, G. Derdelinckx, F.R. Delvaux & I.S. Pretorius. 1999. Controlled expression of *FLO1* in *Saccharomyces cerevisiae*. *Proceedings of the European Brewery Convention Monograph. Symposium Yeast Physiology – a new era of opportunity.* 28: 30-42.

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- (2) Vadasz, A.S., D.B. Jagganath, I.S. Pretorius & A.S. Gupthar. 2000. The K₂ killer effect of *Saccharomyces cerevisiae* T206. *Proceedings of the Microscopy Society of Southern Africa* (ISSN 020-0418: ISBN 0-620-26609-0), 30: 29.
- (3) Vadasz, A.S., D.B. Jagganath, I.S. Pretorius & A.S. Gupthar. 2000. Mucoid secretions by the wine yeast, *Saccharomyces cerevisiae* VIN7. *Proceedings of the Microscopy Society of Southern Africa* (ISSN 020-0418: ISBN 0-620-26609-0), 30: 29.
- (4) Van Rensburg, P. & I.S. Pretorius. 2000. Development and evaluation of polysaccharide-degrading strains of *Saccharomyces cerevisiae*. *Proceedings of Advances in Science and Industrial Production of Baker's Yeast* 23-38.

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- (5) Vadasz, A.S., I.S. Pretorius & A.S. Gupthar. 2002. Electron microscopy of a killer yeast challenge. *Proceedings Fifteenth International Congress on Electron Microscopy* (Durban ICC), 2: 799-800.

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- (6) Bauer F.F. & I.S. Pretorius. 2004. Innovation in the wine industry: The role of biotechnology and the development of new wine yeast strains. IVth World Wine Forum, Logrono, La Rioja, Spain. pp. 141-146.
- (7) Sheridan, C.M., F.F. Bauer, S. Burton & L. Lorenzen. 2004. A critical process analysis of wine production to improve cost, quality and environmental performance. *Proceedings of the Third International Specialised Conference on Sustainable Viticulture and Winery Waste Management*, Barcelona, Spain. pp. 31-42.

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- (8) Bauer, F.F. 2005. Wine yeast strain development strategies: possibilities and limitations. *Proceedings of LES XVIIes Entretiens Scientifiques Lallemand*, La Rioja. pp 39-46.

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- (9) Nieuwoudt, H.H., B.A. Prior, I.S. Pretorius, M. Manley & F.F. Bauer. 2007. Evaluation of principal component analysis as a tool to design calibration sets for glycerol quantification in wine with Fourier transform infrared spectroscopy in: G.R. Burling-Claridge, S.E. Holroyd, R.M.W. Sumner (Eds.). *Proceedings of the Twelfth International Conference on Near Infrared Spectroscopy, Auckland, New Zealand*, New Zealand Near Infrared Spectroscopy Society Incorporated. pp. 234–238.
- (10) Nieuwoudt, H.H. & F.F. Bauer. 2007. The impact of near- and mid infrared spectroscopy in the grape- and wine industry. Twelfth International Conference on Near Infrared Spectroscopy in: G.R. Burling-Claridge, S.E. Holroyd, R.M.W. Sumner (Eds.). *Proceedings of the Twelfth International Conference on Near Infrared Spectroscopy, Auckland, New Zealand*, New Zealand Near Infrared Spectroscopy Society Incorporated. pp. 474–476.
- (11) Muller, C.A., M. Manley, M.G. Lambrechts, I.S. Pretorius & H.H. Nieuwoudt. 2007. Identification of wine yeast strains with FT-NIRS and effect of spectral variation due to sample preparation and repeated analyses in: G.R. Burling-Claridge, S.E. Holroyd, R.M.W. Sumner (Eds.). *Proceedings of the Twelfth International Conference on Near Infrared Spectroscopy, Auckland, New Zealand*, New Zealand Near Infrared Spectroscopy Society Incorporated. pp. 765–769.

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- (12) Bauer, F.F., T. Naes, K.H. Esbensen, P.R. Young, M. du Toit & M.A. Vivier. 2008. Functional wine-omics. Blair, R.J.; Williams, P.J., Pretorius, I.S. (Eds.) *Proceedings of the Thirteenth Australian Wine Industry Technical Conference*, Adelaide, South Australia. pp 178-183.

WETENSKAPLIKE ARTIKELS IN GEËVALUEERDE VAKTYDSKRIFTE SCIENTIFIC ARTICLES IN PEER-REVIEWED JOURNALS

1995

- (1) Crous, J.M., W.H. van Zyl & I.S. Pretorius. 1995. Cloning and expression of an *Aspergillus kawachii* endo-1,4- β -xylanase gene in *Saccharomyces cerevisiae*. *Current Genetics* 28: 467-473.
- (2) Janse, B.J.H. & I.S. Pretorius. 1995. One-step enzymatic hydrolysis of starch by a recombinant strain of *Saccharomyces cerevisiae* encoding α -amylase, glucoamylase and pullulanase. *Applied Microbiology and Biotechnology* 42: 878-883.
- (3) Lambrechts, M.G., I.S. Pretorius, J. Marmur & P. Sollitti. 1995. The S1, S2 and SGA1 ancestral genes for the STA glucoamylase genes all map to chromosome IX in *Saccharomyces cerevisiae*. *Yeast* 11: 783-787.
- (4) Steyn, A.J.C. & I.S. Pretorius. 1995. Characterization of a novel α -amylase from *Lipomyces kononenkoae* and expression of its gene (LKA1) in *Saccharomyces cerevisiae*. *Current Genetics* 28: 526-533.
- (5) Steyn, A.J.C., J. Marmur & I.S. Pretorius. 1995. Cloning, sequence analysis and expression in yeasts of a cDNA containing a *Lipomyces kononenkoae* α -amylase-encoding gene. *Gene* 166: 65-71.
- (6) Van Rensburg, P., W.H. van Zyl & I.S. Pretorius. 1995. Expression of the *Ruminococcus flavefaciens* cellodextrinase gene in *Saccharomyces cerevisiae*. *Biotechnology Letters* 17: 481-486.
- (7) Van Zyl & I.S. Pretorius. 1995. Genetic engineering of yeast to degrade and utilise polysaccharides from agricultural products. *Journal of the South African Institute of Agricultural Engineers* 11: 148-156.

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- (8) Crous, J.M., I.S. Pretorius & W.H. van Zyl. 1996. Cloning and expression of the α -L-arabinofuranosidase gene (*ABF2*) of *Aspergillus niger* expressed in *Saccharomyces cerevisiae*. *Applied Microbiology and Biotechnology* 46: 256-260.
- (9) La Grange, D.C., I.S. Pretorius & W.H. van Zyl. 1996. Expression of the *Trichoderma reesei* β -xylanase gene (*XYN2*) in *Saccharomyces cerevisiae*. *Applied and Environmental Microbiology* 62: 1036-1044.
- (10) Lambrechts, M.G., F.F. Bauer, J. Marmur & I.S. Pretorius. 1996. Muc1, a mucin-like protein that is regulated by Mss10, is critical for pseudohyphal differentiation in yeast. *Proceedings of the National Academy of Sciences USA (PNAS)* 93: 8419-8424.
- (11) Lambrechts, M.G., P. Sollitti, J. Marmur & I.S. Pretorius. 1996. A multicopy suppressor gene, *MSS10*, restores *STA2* expression in *Saccharomyces cerevisiae*. *Current Genetics* 29: 523-529.
- (12) Moes, C.J., I.S. Pretorius & W.H. van Zyl. 1996. Cloning and expression of the *Clostridium thermosulfurogenes* D-xylose isomerase gene (*xylA*) in *Saccharomyces cerevisiae*. *Biotechnology Letters* 18: 269-274.
- (13) Steyn, A.J.C., J. Marmur & I.S. Pretorius. 1996. Cloning, mapping and characterization of a genomic copy of the *Lipomyces kononenkoae* α -amylase-encoding gene (*LKA1*). *Yeast* 12: 925-937.
- (14) Van Rensburg, P., W.H. van Zyl & I.S. Pretorius. 1996. co-expression of a *Phanerochaete chrysosporium* cellobiohydrolase gene and a *Butyrivibrio fibrisolvens* endo- β -1,4-glucanase gene in *Saccharomyces cerevisiae*. *Current Genetics* 30: 246-250.

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- (15) La Grange, D.C., I.S. Pretorius & W.H. van Zyl. 1997. Cloning of the *Bacillus pumilus* β -xylosidase gene (*xynB*) and its expression in *Saccharomyces cerevisiae*. *Applied Microbiology and Biotechnology* 47: 262-266.
- (16) Luttig, M., I.S. Pretorius & W.H. van Zyl. 1997. Cloning of two β -xylanase-encoding genes from *Aspergillus niger* and their expression in *Saccharomyces cerevisiae*. *Biotechnology Letters* 19: 411-415.
- (17) Van Rensburg, P., W.H. van Zyl & I.S. Pretorius. 1997. Over-expression of the *Saccharomyces cerevisiae* exo- β -1,3-glucanase gene together with the *Bacillus subtilis* endo- β -1,3-1,4-glucanase gene in the *Butyrivibrio fibrisolvens* endo- β -1,4-glucanase gene in yeast. *Journal of Biotechnology* 55: 43-53.
- (18) Vivier, M.A., M.G. Lambrechts & I.S. Pretorius. 1997. Co-regulation of starch-degradation and dimorphism in the yeast *Saccharomyces cerevisiae*. *Critical Reviews in Biochemistry and Molecular Biology* 32: 405-435.
- (19) Webber, A.L., M.G. Lambrechts & I.S. Pretorius. 1997. *MSS11*, a novel yeast gene involved in the regulation of starch metabolism. *Current Genetics* 32: 260-266.

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- (20) Carstens, E., M.G. Lambrechts & I.S. Pretorius. 1998. Flocculation, pseudohyphal development and invasive growth in commercial wine yeast strains. *South African Journal for Enology and Viticulture* 19: 52-61.
- (21) Franken, D.B., M. Ariatti, I.S. Pretorius & A.S. Gupthar. 1998. Genetic and fermentation properties of the K₂ killer yeast, *Saccharomyces cerevisiae* T206. *Antonie van Leeuwenhoek Journal of Microbiology* 73: 263-269.
- (22) Petersen, S.H., W.H. van Zyl & I.S. Pretorius. 1998. Development of a polysaccharide-degrading strain of *Saccharomyces cerevisiae*. *Biotechnology Techniques* 12: 615-619.
- (23) Van Rensburg, P., W.H. van Zyl & I.S. Pretorius. 1998. Engineering yeast for efficient cellulose degradation. *Yeast* 14: 67-76.
- (24) Vivier, M.A. & I.S. Pretorius. 1998. Identification of a functional TATA element in the *STA* glucoamylase gene promoter from *Saccharomyces cerevisiae*. *Current Genetics* 33: 10-15.

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- (25) Gagiano, M., D. van Dyk, F.F. Bauer, M.G. Lambrechts & I.S. Pretorius. 1999. Msn1p/Mss10p, Mss11p and Muc1p are part of a signal transduction pathway downstream of Mep2p regulating invasive growth and pseudohyphal differentiation in *Saccharomyces cerevisiae*. *Molecular Microbiology* 31: 103-116.
- (26) Gagiano, M., D. van Dyk, F.F. Bauer, M.G. Lambrechts & I.S. Pretorius. 1999. Divergent regulation of the evolutionary closely related promoters of the *Saccharomyces cerevisiae* *STA2* and *MUC1* genes. *Journal of Bacteriology* 181: 6497-6508.
- (27) Grossmann, M.K. & I.S. Pretorius. 1999. Verfahren zur Identifizierung von Weinhefen und Verbesserung der Eigenschaften von *Saccharomyces cerevisiae*: eine Übersicht. *Die Weinwissenschaft* 54: 61-72.
- (28) Pretorius, I.S., T.J. van der Westhuizen. & O.P.H. Augustyn. 1999. The importance of yeast biodiversity in South African vineyards and wineries. *South African Journal of Enology and Viticulture* 20: 61-74.
- (29) Schoeman, H., M.A. Vivier, M. du Toit, L.M.T. Dicks & I.S. Pretorius. 1999. The development of bactericidal yeast strains by expressing the *Pediococcus acidilactici* pediocin gene (*pedA*) in *Saccharomyces cerevisiae*. *Yeast* 15: 647-656.
- (30) Van der Westhuizen, T.J., O.P.H. Augustyn & I.S. Pretorius. 1999. The value of long-chain fatty acid analysis, randomly amplified polymorphic DNA and electrophoretic karyotyping for the characterization of wine yeast strains. *South African Journal for Enology and Viticulture* 20: 3-10.
- (31) Vivier, M.A., P. Sollitti & I.S. Pretorius. 1999. Functional analysis of multiple AUG codons in the transcripts of two coregulated yeast genes, *STA2* and *MUC1*. *Molecular and General Genetics* 261: 11-20.

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- (32) Balla, E., L.M.T. Dicks, M. du Toit, M.J. van der Merwe & W.H. Holzapfel. 2000. Characterization and cloning of the genes encoding enterocin 1071A and enterocin 1071B, two antimicrobial peptides produced by *Enterococcus faecalis* BFE 1071. *Applied and Environmental Microbiology* 66: 1298-1304.
- (33) Bauer, F.F. & I.S. Pretorius. 2000. Yeast stress response and fermentation efficiency: how to survive the making of wine. *South African Journal of Enology and Viticulture* 21: 27-51.
- (34) Du Toit, M. & I.S. Pretorius. 2000. Microbial spoilage and preservation of wine: using weapons for nature's own arsenal. *South African Journal of Enology and Viticulture* 21: 74-96.
- (35) Du Toit, M., C.M.A.P. Franz, L.M.T. Dicks & W.H. Holzapfel. 2000. Preliminary characterization of bacteriocins produced by *Enterococcus faecium* and *Enterococcus faecalis* isolated from pig faeces. *Journal of Applied Microbiology* 88: 482-494.
- (36) Khan, W., T.J. van der Westhuizen, O.P.H. Augustyn & I.S. Pretorius. 2000. Geographic distribution and evaluation of *Saccharomyces cerevisiae* strains isolated from vineyards in the warm, inland regions of the Western Cape in South Africa. *South African Journal of Enology and Viticulture* 21: 17-31.
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- (38) Lambrechts, M.G. & I.S. Pretorius. 2000. Yeast and its importance to wine aroma. *South African Journal of Enology and Viticulture* 21: 97-129.
- (39) Lilly, M., M.G. Lambrechts & I.S. Pretorius. 2000. The effect of increased yeast alcohol acetyltransferase activity on the sensorial quality of wine and brandy. *Applied and Environmental Microbiology* 66: 744-753.
- (40) Pretorius, I.S. 2000. Tailoring wine yeast for the new millennium: novel approaches to the ancient art of winemaking. *Yeast* 16: 675-729.
- (41) Rainieri, S. & I.S. Pretorius. 2000. Selection and improvement of wine yeasts. *Annals of Microbiology* 50: 15-31.
- (42) Vadasz, A.S., D.B. Jagganath, I.S. Pretorius & A.S. Gupthar. 2000. Electron microscopy of the K₂ killer effect of *Saccharomyces cerevisiae* T206 on mesophilic wine yeast. *Antonie van Leeuwenhoek* 78: 117-122.
- (43) Van der Westhuizen, T.J., O.P.H. Augustyn & I.S. Pretorius. 2000. Geographic distribution of indigenous *Saccharomyces cerevisiae* strains isolated from vineyards in the coastal regions of the Western Cape in South Africa. *South African Journal of Enology and Viticulture* 21: 3-9.
- (44) Van der Westhuizen, T.J., O.P.H. Augustyn, W. Khan & I.S. Pretorius. 2000. Seasonal variation of indigenous *Saccharomyces cerevisiae* strains isolated from Western Cape vineyards in South Africa. *South African Journal of Enology and Viticulture* 21: 10-16.
- (45) Van Rensburg, P. & I.S. Pretorius. 2000. Enzymes in winemaking: harnessing natural catalysts for efficient biotransformations. *South African Journal of Enology and Viticulture* 21: 52-73.
- (46) Vivier, M.A. & I.S. Pretorius. 2000. Genetic improvement of grapevine: tailoring grape varieties for the third millennium. *South African Journal of Enology and Viticulture* 21: 5-26.

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- (47) Armstrong, G.O., M.G. Lambrechts, E.P.G. Mansvelt, D.P. van Velden & I.S. Pretorius. 2001. Wine and health. *South African Journal of Science* 97: 279-282.
- (48) Boss, P.K., M.A. Vivier, S. Matsumoto, I.B. Dry & M.R. Thomas. 2001. A cDNA from grapevine (*Vitis vinifera*), which shows homology to *AGAMOUS* and *SHATTERPROOF*, is not only expressed in flowers but also throughout berry development. *Plant Molecular Biology* 45: 541-553.
- (49) La Grange, D.C., I.M. Claeysens, I.S. Pretorius & W.H. van Zyl. 2001. Degradation of xylan to D-xylose by recombinant *Saccharomyces cerevisiae* co-expressing the *Aspergillus niger* β -xylosidase (*xlnD*) and the *Trichoderma reesei* xylanase II (*xyn2*) genes. *Applied and Environmental Microbiology* 67: 5512-5519.
- (50) Pretorius, I.S. 2001. Gene technology in winemaking: new approaches to an ancient art. *Agriculturae Conspectus Scientificus* 66: 1-20.
- (51) Strauss, M.L.A., N.P. Jolly, M.G. Lambrechts & P. van Rensburg. 2001. Screening for the production of extracellular hydrolytic enzymes by non-*Saccharomyces* wine yeasts. *Journal of Applied Microbiology* 90: 1-9.
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II. Vakkongresse / Scientific conferences

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- (22) Van Rensburg, P., W.H. van Zyl & I.S. Pretorius. 1996. co-expression of heterologous genes encoding endo- β -glucanase, cellobiohydrolase, cellodextrinase and cellobiase in *Saccharomyces cerevisiae*. Ninth International Symposium on Yeasts, Sydney, Australia.
- (23) Van Rensburg, P., W.H. van Zyl & I.S. Pretorius. 1996. co-expression of heterologous genes encoding β -glucanase, cellobiohydrolase, cellodextrinase and cellobiase in *Saccharomyces cerevisiae*. Eighth International Congress of Bacteriology and Applied Microbiology, Jerusalem, Israel.

1997

- (24) Gagiano, M., P. Sollitti, M.G. Lambrechts & I.S. Pretorius. 1997. Identification of *cis*-acting elements in the promoters of the *STA2* and *MUC1* genes in *Saccharomyces cerevisiae*. Eighteenth International Congress on Yeast Genetics and Molecular Biology, Stellenbosch.
- (25) Lambrechts, M.G. & I.S. Pretorius. 1997. Invasive growth of yeasts. Eighteenth International Specialized Symposium on Yeasts, Portorož, Slovenia.
- (26) Luyten, K., I. Ostenrieder, M.G. Lambrechts & I.S. Pretorius. 1997. Expression of the human membrane-associated mucin-encoding gene (*MUC1*) in *Saccharomyces cerevisiae*. Eighteenth International Congress on Yeast Genetics and Molecular Biology, Stellenbosch.
- (27) Petersen, S.H., W.H. van Zyl & I.S. Pretorius. 1997. Production and applied potential of polymer-degrading enzymes in yeast. Eighteenth International Congress on Yeast Genetics and Molecular Biology, Stellenbosch.
- (28) Pretorius, I.S. 1997. Acidification of grape must and wine in the warm climate countries. Meeting of the *Office International de la Vigne et du Vin*, Paris, France. **(Op uitnodiging/By invitation)**
- (29) Pretorius, I.S. 1997. co-regulation of starch degradation and dimorphism in the yeast *Saccharomyces cerevisiae*. Eighteenth International Congress on Yeast Genetics and Molecular Biology, Stellenbosch. **(Op uitnodiging/By invitation)**
- (30) Pretorius, I.S. 1997. Genetic improvement of wine yeasts. Meeting of the *Office International de la Vigne et du Vin*, Paris, France. **(Op uitnodiging/By invitation)**
- (31) Pretorius, I.S. 1997. The potential impact of biotechnology on the South African wine industry. Fourteenth International Congress of the SA Association for Food Science & Technology, Pretoria. **(Op uitnodiging/By invitation)**
- (32) Schoeman, H., M.A. Vivier, L.M.T. Dicks & I.S. Pretorius. 1997. Expression of the *Pediococcus acidilactici* pediocin PA-1 gene in *Saccharomyces cerevisiae*. Eighteenth International Congress on Yeast Genetics and Molecular Biology, Stellenbosch.
- (33) Van der Westhuizen, T.J. & I.S. Pretorius. 1997. Genetic diversity and geographic distribution of indigenous *Saccharomyces cerevisiae* strains in the wine-producing areas of the Western Cape in South Africa. Eighteenth International Congress on Yeast Genetics and Molecular Biology, Stellenbosch.
- (34) Van Rensburg, P., W.H. van Zyl & I.S. Pretorius. 1997. co-expression of heterologous genes encoding endo- β -glucanase, cellobiohydrolase, cellodextrinase and cellobiase in *Saccharomyces cerevisiae*. Eighteenth International Congress on Yeast Genetics and Molecular Biology, Stellenbosch.
- (35) Van Zyl, W.H., D.C. la Grange, J.M. Crous, M. Luttig, P. van Rensburg & I.S. Pretorius. 1997. Cloning of hydrolases from *Trichoderma reesei* and other microorganisms in yeast. TRICEL '97: Congress on Carbohydrases from *Trichoderma reesei* and other Microorganisms, Ghent, Belgium.
- (36) Vivier, M.A., H. Schoeman & I.S. Pretorius. 1997. Identification of a functional TATA element in the *STA2* glucoamylase gene promoter from *Saccharomyces cerevisiae*. Eighteenth International Congress on Yeast Genetics and Molecular Biology, Stellenbosch.
- (37) Vivier, M.A., P. Sollitti & I.S. Pretorius. 1997. Functional analysis of multiple AUG codons in the transcripts of two coregulated yeast genes, *STA2* and *MUC1*. Eighteenth International Congress on Yeast Genetics and Molecular Biology, Stellenbosch.
- (38) Webber, A.L., M.G. Lambrechts & I.S. Pretorius. 1997. Multiple copies of *MSS10* and *MSS11* induce glucoamylase production and invasive growth in *Saccharomyces cerevisiae*. Eighteenth International Congress on Yeast Genetics and Molecular Biology, Stellenbosch.

1998

- (39) Bauer, F.F., M. Gagiano, D. van Dyk, G. Hansson & I.S. Pretorius. 1998. Identification of genes co-regulating pseudohyphal development and starch degradation in *Saccharomyces cerevisiae*. Yeast Genetics and Molecular Biology Meeting, Maryland, USA.
- (40) De Villiers, M., M.G. Lambrechts & I.S. Pretorius. 1998. Manipulating ester production in recombinant wine yeasts. Second International Congress of the Federation of African Societies of Biochemistry and Molecular Biology, Potchefstroom.
- (41) Dicks, L.M.T., H. Schoeman, M.A. Vivier & I.S. Pretorius. 1998. Taxonomy of malolactic bacteria and biological control of spoilage micro-organisms in wine. Salone internazionale del Vino e dei Distillati, Verona, Italy.
- (42) Gagiano, M., F.F. Bauer & I.S. Pretorius. 1998. Co-regulation of *Saccharomyces cerevisiae* *STA2* and *MUC1* genes – far upstream regulatory regions conferring transcriptional control. Second International Congress of the Federation of African Societies of Biochemistry and Molecular Biology, Potchefstroom.
- (43) Gupthar, A.S., I.S. Pretorius, M. Ariatti and D.B. Franken. 1998. Genetic fermentation properties of the K₂ killer yeast, *Saccharomyces cerevisiae*. Second International Congress of the Federation of African Societies of Biochemistry and Molecular Biology, Potchefstroom.

- (44) La Grange, D.C., I.S. Pretorius & W.H. van Zyl. 1998. Heterologous expression of genes encoding xylan-degrading enzymes in yeast. Eighth International Symposium on Genetics of Industrial Microorganisms, Jerusalem, Israel.
- (45) Pretorius, I.S. 1998. Potential applications of genetically improved wine yeasts. Intervitis Interfructa '98, Stuttgart, Germany. **(Op uitnodiging/By invitation)**
- (46) Pretorius, I.S., M.G. Lambrechts, P. van Rensburg & F.F. Bauer. 1998. From polysaccharide degradation to yeast cell differentiation and flocculation. Nineteenth International Specialized Symposium on Yeasts: Yeast in the production and spoilage of food and beverages, Braga, Portugal. **(Op uitnodiging/By invitation; Opening key note presentation)**
- (47) Pretorius, I.S., M.G. Lambrechts, P. van Rensburg & M.A. Vivier. 1998. The potential application of gene technology in winemaking. Tenth Australian Wine Industry Technical Conference, Sydney, Australia. **(Op uitnodiging/By invitation)**
- (48) Pretorius, I.S., M.G. Lambrechts, P. van Rensburg & M.A. Vivier. 1998. Wine biotechnology: A model for technology transfer in the South African wine industry. Scenari Internazionali Nella Ricerca e Nel Trasferimento Tecnologico, Alghero, Italy. **(Op uitnodiging/By invitation)**
- (49) Pretorius, I.S., M.G. Lambrechts, P. van Rensburg & M.A. Vivier. 1998. The future and potential impact of genetically modified organisms in oenology. Mondavi'98, Bordeaux, France. **(Op uitnodiging/By invitation)**
- (50) Schoeman, H., M.A. Vivier, L.M.T. Dicks & I.S. Pretorius. 1998. Modification of wine yeasts to produce antimicrobial peptides (bacteriocins). Fourth African Regional Seminar on Traditional Fermented Foods, Accra, Ghana.
- (51) Van Dyk, D., M. Gagiano, F.F. Bauer, M.G. Lambrechts & I.S. Pretorius. 1998. Analysis of *MSS10* and *MSS11*, two genes co-regulating starch catabolism and invasive growth in yeast. Second International Congress of the Federation of African Societies of Biochemistry and Molecular Biology, Potchefstroom.
- (52) Vivier, M.A. & I.S. Pretorius. 1998. Grapevine transformations: a new beginning for an old genotype. Second International Congress of the Federation of African Societies of Biochemistry and Molecular Biology, Potchefstroom.
- (53) Young, P.R., M.A. Vivier & I.S. Pretorius. 1998. Isolation and characterization of a β -carotene hydroxylase from *Vitis vinifera*. Second International Congress of the Federation of African Societies of Biochemistry and Molecular Biology, Potchefstroom.

1999

- (54) Bauer, F.F. & I.S. Pretorius. 1999. Pseudohyphal and invasive growth in yeast. Ninth European Congress on Biotechnology, Brussels, Belgium.
- (55) Du Toit, M., H. Schoeman, M.A. Vivier, L.M.T. Dicks, J.W. Hastings & I.S. Pretorius. 1999. A yeast with antimicrobial activity as possible alternative to chemical preservatives. Seventeenth International Conference of the International Committee on Food Microbiology and Hygiene, Veldhoven, The Netherlands.
- (56) Du Toit, M., H.W. du Plessis, C.L.C. Steger, M.G. Lambrechts & I.S. Pretorius. 1999. Lactic acid bacteria and their effect on brandy base wine. Seventeenth International Conference of the International Committee on Food Microbiology and Hygiene, Veldhoven, The Netherlands.
- (57) Gagiano, M., D. van Dyk, F.F. Bauer & I.S. Pretorius. 1999. The transcriptional regulation of the *MUC1/FLO11* genes of *Saccharomyces cerevisiae*. Nineteenth International Conference on Yeast Genetics and Molecular Biology, Rimini, Italy.
- (58) La Grange, D.C., I.S. Pretorius & W.H. van Zyl. 1999. Genetic engineering of the yeast *Saccharomyces cerevisiae* to degrade xylan. Ninth International Congress of Mycology of the International Union of Microbiological Societies (IUMS), Sydney, Australia.
- (59) La Grange, D.C., I.S. Pretorius & W.H. van Zyl. 1999. Genetic engineering of the yeast *Saccharomyces cerevisiae* to degrade xylan. IEA Bioenergy Workshop : Biotechnology for the Conversion of Lignocellulose, Itala game Reserve (22 – 26 August 1999), Kwazulu-Natal., South Africa.
- (60) Lambrechts, M.G., H.W. du Plessis, C.L.C. Steger, M. du Toit & I.S. Pretorius. 1999. The occurrence and influence of lactic acid bacteria on the quality of brandy base wine. Twenty-fourth International Wine Congress, Mainz, Germany.
- (61) Lambrechts, M.G., M. de Villiers & I.S. Pretorius. 1999. The effect of yeast alcohol acetyltransferase activity on the sensorial quality of wine and brandy. Nineteenth International Conference on Yeast Genetics and Molecular Biology, Rimini, Italy.
- (62) Lambrechts, M.G., M. de Villiers & I.S. Pretorius. 1999. The effect of yeast alcohol acetyltransferase activity on the sensorial quality of wine and brandy. Twenty-fourth International Wine Congress, Mainz, Germany.
- (63) Lambrechts, M.G., M. de Villiers & I.S. Pretorius. 1999. The effect of yeast alcohol acetyltransferase activity on the sensorial quality of wine and brandy. Sixth International Oenological Symposium, Bordeaux, France.
- (64) Petersen, S.H., I.S. Pretorius & W.H. van Zyl. 1999. Development of a polysaccharide degrading strain of *Saccharomyces cerevisiae*. IEA Bioenergy Workshop: Biotechnology for the Conversion of Lignocellulose, Itala game Reserve (22 – 26 August 1999), Kwazulu-Natal., South Africa.
- (65) Petersen, S.H., I.S. Pretorius & W.H. van Zyl. 1999. Development of a polysaccharide degrading strain of *Saccharomyces cerevisiae*. Ninth International Congress of Mycology of the International Union of Microbiological Societies (IUMS), Sydney, Australia.

- (66) Pretorius, I.S. 1999. Gene technology in winemaking: new approaches to an ancient art. Seventh Latin American Congress of Viticulture and Winemaking, Mendoza, Argentina. **(Op uitnodiging/By invitation)**
- (67) Pretorius, I.S. 1999. Tailoring wine yeast for the next millennium. Ninth International Congress of Mycology of the International Union of Microbiological Societies (IUMS), Sydney, Australia. *(By invitation)*
- (68) Pretorius, I.S. 1999. Tailoring wine yeast for the next millennium. Symposium on Food, Biotechnology and Quality of Life in the XXI Century. Madrid, Spain. **(Op uitnodiging/By invitation)**
- (69) Pretorius, I.S., H. Schoeman, M. du Toit, M.A. Vivier & L.M.T. Dicks. 1999. Engineering wine yeast strains with antimicrobial activity. Sixth International Oenological Symposium, Bordeaux, France.
- (70) Pretorius, I.S., H. Schoeman, M. du Toit, M.A. Vivier & M.G. Lambrechts. 1999. Engineering wine yeast strains with antimicrobial activity. Nineteenth International Conference on Yeast Genetics and Molecular Biology, Rimini, Italy.
- (71) Schoeman, H., M. du Toit, M.A. Vivier, L.M.T. Dicks, J.W. Hastings & I.S. Pretorius. 1999. Development and potential applications of wine yeasts with antibacterial activity. Twenty-fourth International Wine Congress, Mainz, Germany. **(Op uitnodiging/By invitation)**
- (72) Schoeman, H., M.A. Vivier, L.M.T. Dicks & I.S. Pretorius. 1999. Expression of Pediocin PA-1, a bacteriocin produced by *Pediococcus acidilactici* PAC-1-0, in *Saccharomyces cerevisiae*. Sixth Symposium on Lactic Acid Bacteria, Veldhoven, The Netherlands.
- (73) Van Dyk, D., M. Gagiano, F.F. Bauer & I.S. Pretorius. 1999. Epistasis analysis of transcriptional regulators controlling pseudohyphal differentiation and invasive growth in *Saccharomyces cerevisiae*. Nineteenth International Conference on Yeast Genetics and Molecular Biology, Rimini, Italy.
- (74) Van Zyl, W.H., D.C. la Grange, P. van Rensburg, S.H. Petersen, J.M. Crous, M. Luttig & I.S. Pretorius. 1999. Heterologous production of lignocellulosic hydrolases in *Saccharomyces cerevisiae*. IEA Bioenergy Workshop: Biotechnology for the Conversion of Lignocellulose, Itala Game Reserve, Kwazulu-Natal., South Africa.

2000

- (75) Bauer, F.F., M. Gagiano, D. van Dyk & I.S. Pretorius. 2000. Pseudohyphal differentiation and invasive growth in *Saccharomyces cerevisiae*. Flanders-South Africa Yeast Biotechnology Workshop, Leuven, Belgium.
- (76) Bayly, J.C., M.G. Lambrechts, W.J. du Toit & I.S. Pretorius. 2000. The isolation, identification and characterization of lactic acid bacteria occurring during red wine fermentations. Second International Viticulture and Enology Congress, Cape Town.
- (77) Carstens, M., P. van Rensburg, I.S. Pretorius & M.A. Vivier. 2000. The *Saccharomyces cerevisiae* chitinase, encoded by the *CTS1-2* gene, as an antifungal and biocontrol agent. Second International Viticulture and Enology Congress, Cape Town.
- (78) D'Aguzzo, V.S., H. Schoeman, C. du Toit, M. du Toit, M.A. Vivier, L.M.T. Dicks, J.W. Hastings & I.S. Pretorius. 2000. Biopreservation of wine using bactericidal wine yeast strains. Second International Viticulture and Enology Congress, Cape Town.
- (79) Fundira, M., M. Blom, I.S. Pretorius & P. van Rensburg. 2000. Optimisation of fermentation processes for the production of indigenous fruit wines. Second International Viticulture and Enology Congress, Cape Town.
- (80) Gagiano, M., D. van Dyk, F.F. Bauer & I.S. Pretorius. 2000. Co-regulation of flocculation, pseudohyphal differentiation and starch metabolism in *Saccharomyces cerevisiae*. Tenth International Symposium on Yeasts, Papendal, The Netherlands.
- (81) Gagiano, M., D. van Dyk, F.F. Bauer & I.S. Pretorius. 2000. The transcriptional regulation of the *Saccharomyces cerevisiae* *MUC1* and *STA2* genes. Flanders-South Africa Yeast Biotechnology Workshop, Leuven, Belgium.
- (82) Gagiano, M., F.F. Bauer & I.S. Pretorius. 2000. Functional analysis of Mss11p: a transcriptional regulator controlling pseudohyphal differentiation and starch metabolism in *Saccharomyces cerevisiae*. Yeast Genetics and Molecular Biology Meeting, Seattle, USA.
- (83) Goussard, P.G. & M.A. Vivier. 2000. The induction and maintenance of embryogenic cell lines of important wine and rootstock cultivars for use in transformation experiments. Second International Viticulture and Enology Congress, Cape Town.
- (84) Lambrechts, M.G., H.W. du Plessis, C.L.C. Steger, M. du Toit, L.M.T. Dicks & I.S. Pretorius. 2000. The occurrence and influence of lactic acid bacteria in brandy base wine. Twenty Fifth World Vine and Wine Congress, Paris, France.
- (85) Lambrechts, M.G., W.J. du Toit, J.C. Bayly, M. du Toit, J.K. Bergstedt & N.P. Jolly. 2000. Microbiological characterization of wines towards the development of volatile acidity. Second International Viticulture and Enology Congress, Cape Town.
- (86) Maritz, A., M.G. Lambrechts, I.S. Pretorius & P. van Rensburg. 2000. Manipulating volatile phenol concentrations in wine. Second International Viticulture and Enology Congress, Cape Town.
- (87) Muller, C.A., P. van Rensburg, M. Manley, I.S. Pretorius & M.G. Lambrechts. 2000. Monitoring the spreading of commercial wine yeasts in vineyards. Second International Viticulture and Enology Congress, Cape Town.
- (88) Pretorius, I.S. 2000. Metabolic engineering and tailoring wine yeast. Tenth International Symposium on Yeasts, Papendal, The Netherlands.
- (89) Pretorius, I.S. 2000. Tailoring wine yeast for the third millennium: novel approaches to the ancient art of winemaking. American Society for Enology and Viticulture Anniversary Meeting 2000, Seattle, USA.

- (90) Pretorius, I.S., F.F. Bauer, M. du Toit, M.G. Lambrechts, P. van Rensburg & M.A. Vivier. 2000. Tailoring wine yeast for the third millennium: novel approaches to the ancient art of winemaking. Second International Viticulture and Enology Congress, Cape Town. (**Op uitnodiging/By invitation**)
- (91) Pretorius, I.S., F.F. Bauer, M. Gagiano, D. van Dyk & M.G. Lambrechts. 2000. Polysaccharide degradation and invasive growth in yeast. Flanders-South Africa Yeast Biotechnology Workshop, Leuven, Belgium. (**Op uitnodiging/By invitation**)
- (92) Rainieri, S., V.S. D'Aguanno, F.F. Bauer & I.S. Pretorius. 2000. Control of acidity in wines produced in hot climates. Tenth International Symposium on Yeasts, Papendal, The Netherlands.
- (93) Swiegers, J.H., N. Dippenaar, I.S. Pretorius & F.F. Bauer. 2000. Selection of mutants involved in carnitine-dependent activities in *Saccharomyces cerevisiae*. Tenth International Symposium on Yeasts, Papendal, The Netherlands.
- (94) Van Dyk, D., F.F. Bauer & I.S. Pretorius. 2000. Analysis of the interaction between transcription regulators required for invasive growth, pseudohyphal differentiation and starch metabolism in *Saccharomyces cerevisiae*. Yeast Genetics and Molecular Biology Meeting, Seattle, USA.
- (95) Van Dyk, D., M. Gagiano, F.F. Bauer & I.S. Pretorius. 2000. A genetic analysis on the transcription factors involved in starch metabolism and invasive growth in *Saccharomyces cerevisiae*. Flanders-South Africa Yeast Biotechnology Workshop, Leuven, Belgium.
- (96) Van Rensburg, P. & I.S. Pretorius. 2000. Development and evaluation of polysaccharide-degrading strains of *Saccharomyces cerevisiae*. VH-Yeast Conference, Berlin.
- (97) Van Zyl, W.H., D.C. la Grange, P. van Rensburg, S.H. Petersen, M.E. Setati, R. den Haan & I.S. Pretorius. 2000. Heterologous production of lignocellulosic hydrolases in yeast and filamentous fungi. Tenth International Symposium on Yeasts, Papendal, The Netherlands.
- (98) Van Zyl, W.H., D.C. la Grange, P. van Rensburg, S.H. Petersen, M.E. Setati, R. den Haan & I.S. Pretorius. 2000. Genetic engineering of yeasts to produce lignocellulosic hydrolases. Tenth International Symposium on Yeasts, Papendal, The Netherlands.
- (99) Vivier, M.A., A.R. de Ascensao & I.S. Pretorius. 2000. Manipulation of fungal defence in grapevine: the use of polygalacturonase inhibiting proteins (PGIPs). Second International Viticulture and Enology Congress, Cape Town.
- (100) Vivier, M.A., J.v.W. Becker, M. Carstens, A.R. de Ascensao, A. de Beer, E. Marais & I.S. Pretorius. 2000. Engineering fungal resistance in grapevine (*Vitis vinifera*). Sixth International Symposium on Grapevine Physiology and Biotechnology, Greece.

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- (101) Bauer, F.F. & I.S. Pretorius. 2001. Yeast stress response and fermentation efficiency: how to survive the making of wine – A review. Short course, Universidad de Castilla - La Mancha, Ciudad Real, Spain.
- (102) Berthels, N.J., H.E. Patterton, F.F. Bauer, J.M. Thevelein & I.S. Pretorius. 2001. Improvement of fructose utilization by *Saccharomyces cerevisiae* wine yeast. Twentieth International Conference on Yeast Genetics and Molecular Biology, Prague, Czech Republic.
- (103) Du Toit, M., C. du Toit, S.J. Krieling & I.S. Pretorius. 2001. Biopreservation of wine with antimicrobial peptides and enzymes. 26th World Wine and Vine Congress, Adelaide, Australia.
- (104) Du Toit, M. & I.S. Pretorius. 2001. Microbial spoilage and preservation of wine: using weapons for nature's own arsenal. Short course, Universidad de Castilla - La Mancha, Ciudad Real, Spain.
- (105) Franken, J., F.F. Bauer & I.S. Pretorius. 2001. Repression of *MUC1* and *STA2* transcription: Tying up loose ends. South African/Flemish Workshop, Stellenbosch.
- (106) Gagiano, M., F.F. Bauer & I.S. Pretorius. 2001. Analysis of the role of Mss11p in pseudohyphal differentiation and invasive growth. 20th International Conference on Yeast Genetics and Molecular Biology, Prague, Czech Republic.
- (107) Lambrechts, M.G. & I.S. Pretorius. 2001. Yeast and its importance to wine aroma. Short course, Universidad de Castilla - La Mancha, Ciudad Real, Spain.
- (108) Lambrechts, M.G., C.A. Muller, P. van Rensburg, M. Manley & I.S. Pretorius. 2001. Assessing the risks associated with genetically modified yeast from a practical perspective. Twenty sixth World Wine and Vine Congress, Adelaide, Australia.
- (109) Maluleke R., S.T. Shongwe, L. Langa, B. Lekitima, C. Mashau, G. Mosima, P. Winter, E.L. Jansen van Rensburg, C. DuSautoy, N. Hattingh, B. Naidoo, E. Abotsi, P. van Rensburg, N. Mollel & E. Goyvaerts. 2001. Biotechnology and indigenous knowledge systems are innovation partners: the application of biotechnology to indigenous fruit brewing processes. AfricaBio Conference, Johannesburg.
- (110) Patterton, H.E., N.J. Berthels, F.F. Bauer, J.M. Thevelein & I.S. Pretorius. 2001. The assimilation of glucose by wine yeast under nitrogen limitation conditions. Twentieth International Conference on Yeast Genetics and Molecular Biology, Prague, Czech Republic.
- (111) Pretorius, I.S. 2001. Tailoring wine yeast for the third millennium: novel approaches to the ancient art of winemaking. International Workshop on Agricultural and Veterinary Biotechnology, Sassari, Italy. (**Op uitnodiging/By invitation**)
- (112) Pretorius, I.S. 2001. Tailoring wine yeast for the new millennium: novel approaches to the ancient art of winemaking. Short course, Universidad de Castilla - La Mancha, Ciudad Real, Spain.

- (113) Pretorius, I.S., M. du Toit, C. du Toit & V.S. D'Aguanno. 2001. Biopreservation of wine with antimicrobial peptides. Sixth International Symposium on Innovations in Wine Technology, Stuttgart, Germany. **(Op uitnodiging/By invitation)**
- (114) Pretorius, I.S., M. du Toit, C. du Toit, V.S. D'Aguanno. 2001. Development of bactericidal wine yeast starter cultures. Twentieth International Conference on Yeast Genetics and Molecular Biology, Prague, Czech Republic.
- (115) Pretorius, I.S., M. Lilly & M.G. Lambrechts. 2001. Development of wine yeast strains with improved ester profiles. Sixth International Symposium on Innovations in Wine Technology, Stuttgart, Germany. **(Op uitnodiging/By invitation)**
- (116) Pretorius, I.S., M. Lilly, M.G. Lambrechts & F.F. Bauer. 2001. Development of wine yeast strains with improved ester profiles. Twenty sixth World Wine and Vine Congress, Adelaide, Australia.
- (117) Swiegers, J.H., S. Kroppenstedt, C. Font-Sala, N. Dippenaar & I.S. Pretorius. 2001. The metabolic role of the three carnitine acetyltransferases in *Saccharomyces cerevisiae*. Twentieth International Conference on Yeast Genetics and Molecular Biology, Prague, Czech Republic.
- (118) Van Dyk, D., F.F. Bauer & I.S. Pretorius. 2001. Genetic interaction between transcription factors regulating *MUC1* and *STA2*. South African/Flemish Workshop, Stellenbosch.
- (119) Van Dyk, D., F.F. Bauer & I.S. Pretorius. 2001. Systematic analysis of transcriptional regulators required for the expression of genes involved in filamentous growth, in response to specific nutritional signals. Twentieth International Conference on Yeast Genetics and Molecular Biology, Prague, Czech Republic.
- (120) Van Rensburg P., D.C. la Grange, I.S. Pretorius, W.H. van Zyl, A. Fan, L. Friedlander & L.R. Lynd. 2001. Development and characterization of recombinant *Saccharomyces* strains expressing saccharolytic enzymes. Twenty third Symposium on Biotechnology for Fuels and Chemicals, Colorado, USA.
- (121) Van Rensburg, P. & I.S. Pretorius. 2001. Enzymes in winemaking: harnessing natural catalysts for efficient biotransformations. Short course, Universidad de Castilla - La Mancha, Ciudad Real, Spain.
- (122) Van Rensburg, P., D.C. la Grange, I.S. Pretorius, Fan, Z., Zhang, Y., Friedlander, L. & L.R. Lynd. 2001. Development and characterization of recombinant *Saccharomyces cerevisiae* strains expressing saccharolytic enzymes. Twenty third Symposium on Biotechnology for Fuels and Chemicals, New Hampshire, USA.
- (123) Van Rensburg, P., M.G. Lambrechts, A. Maritz & I.S. Pretorius. 2001. Manipulating volatile phenol concentrations in wine. Twenty sixth World Wine and Vine Congress, Adelaide, Australia.
- (124) Van Zyl, W.H., D.C. la Grange, P. van Rensburg, S.H. Rose, M.E. Setati, R. den Haan, I.S. Pretorius, Z. Fan, Y. Zhang & L.R. Lynd. 2001. Heterologous production of lignocellulose hydrolases in yeast and filamentous fungi. Gordon Conference: Cellulases & Cellulosomes, Proctor Academy, New Hampshire, USA.
- (125) Vivier, M.A. & I.S. Pretorius. 2001. Genetic improvement of grapevine: tailoring grape varieties for the third millennium. Short course, Universidad de Castilla - La Mancha, Ciudad Real, Spain.
- (126) Vivier, M.A., J. Becker, M. Carstens, A.R. de Ascensao, A. de Beer, D.A. Joubert, E.M. Marais & I.S. Pretorius. 2001. Upregulation of grapevine's natural resistance mechanisms against fungal pathogens. Twenty sixth World Wine and Vine Congress, Adelaide, Australia.

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- (127) Bauer, F.F., J. Domingo, P. Govender, A.S. Gupthar & I.S. Pretorius. 2002. Adjusting the flocculation of yeast strains to facilitate the processing of wine. Twenty second International Specialised Symposium on Yeasts, Pilansberg, South Africa.
- (128) Berthels, N.J., H.E. Patterton, F.F. Bauer, J.M. Thevelein & I.S. Pretorius. 2002. Improvement of fructose consumption in *Saccharomyces cerevisiae* wine yeast for the reduction of residual sugar in wine. Twenty second International Specialised Symposium on Yeasts, Pilansberg, South Africa.
- (129) Fundira, M., M. Blom, I.S. Pretorius & P. van Rensburg. 2002. Optimisation of fermentation processes for the production of indigenous fruit wines. Twenty second International Specialised Symposium on Yeasts, Pilansberg, South Africa.
- (130) Jolly, N.P. & I.S. Pretorius. 2002. The use of *Candida pulcherrima* in combination with *Saccharomyces cerevisiae* for wine production. Twenty second International Specialised Symposium on Yeasts, Pilansberg, South Africa.
- (131) Kroppenstedt, S., J.H. Swiegers, I.S. Pretorius & F.F. Bauer. 2002. The metabolic role of carnitine acetyltransferases in *Saccharomyces cerevisiae* and their effect on fermentation efficiency and aroma production. Twenty second International Specialised Symposium on Yeasts, Pilansberg, South Africa.
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- (238) Ramburan, V.P. 2006. SunBio: Wine Biotechnology commercialization. Third International Viticultural and Oenology Conference, Somerset West. (14 – 17 Nov)
- (239) Ranwedzi, N., A. Smit, P. van Rensburg & R.R. Cordero Otero. 2006. Optimization of β -glucosidase activity in recombinant *Saccharomyces cerevisiae*. Third International Viticultural and Oenology Conference, Somerset West. **(POSTER)** (14 – 17 Nov)
- (240) Siebrits, L., R.C. Witthuhn, P. van Rensburg & M. du Toit. 2006. PCR-based DGGE fingerprinting and identification of the microbes present in South African red wine. Third International Viticultural and Oenology Conference, Somerset West. **(POSTER)** (14 – 17 Nov)
- (241) Styger, G., I.S. Pretorius & F.F. Bauer. 2006. Elucidating the metabolic pathways responsible for higher alcohol production in *Saccharomyces cerevisiae*. Third International Viticultural and Oenology Conference, Somerset West. **(POSTER)** (14 – 17 Nov)
- (242) Thomas, M.R., L. Sreekantan, P. Iocco, C. Davies, T. Franks, P.K. Boss, C. Tarr, P.R. Clingeleffer, M.A. Vivier, P.R. Young & L. Torregrosa. 2006. Grapevine functional genomics. Ninth International Conference on Grape Genetics and Breeding, Udine, Italy. (2 – 6 Jul)
- (243) Treurnicht, J., H.H. Nieuwoudt, K.H. Esbensen & P. van Rensburg. 2006. Authentication of Sauvignon blanc wines using a multivariate data analysis approach. Third International Viticultural and Oenology Conference, Somerset West. **(POSTER)** (14 – 17 Nov)
- (244) Trollope, K.M., M. du Toit & M.A. Vivier. 2006. Genetic engineering of *Saccharomyces cerevisiae* to increase resveratrol levels in wine. Third International Viticultural and Oenology Conference, Somerset West. **(POSTER)** (14 – 17 Nov)
- (245) Van Dyk, D., R. Sopko, H. Friesen, N. Bastajian, B.J. Andrews & F.F. Bauer. 2006. *FLO11* upregulation and enhanced invasive growth resulting from overexpression of Mediator and RNA polIII components are dependent on the transcription factor Mss11p. 2006 Yeast Genetics and Molecular Biology Meeting, Princeton, New Jersey, USA. (25 – 30 Jul)

- (246) Van Wyk, R., P. van Rensburg & F.F. Bauer. 2006. Authentication of commercial wine yeast strains by genetic fingerprinting. Third International Viticultural and Oenology Conference, Somerset West. **(POSTER)** (14 – 17 Nov)
- (247) Vasanth, K., T. Lerm & M.A. Vivier. 2006. Cryopreservation of embryogenic cell lines of grapevine. Third International Viticultural and Oenology Conference, Somerset West. **(POSTER)** (14 – 17 Nov)
- (248) Vivier, M.A. 2006. Grapevine biotechnology: Scope and value for viticulture. Third International Viticultural and Oenology Conference, Somerset West. (14 – 17 Nov)
- (249) Vivier, M.A., S. Groenewald & P.G. Goussard. 2006. The evaluation of transgenic grapevine. Third International Viticultural and Oenology Conference, Somerset West. (14 – 17 Nov)
- (250) Weldergergis, B.T., H.H. Nieuwoudt, P. van Rensburg & A.M. Crouch. 2006. Headspace analysis of volatile compounds in South African wines by stir bar methods coupled to gas chromatography-mass spectrometry. Third International Viticultural and Oenology Conference, Somerset West. (14 – 17 Nov)
- (251) Wilding, W.J.M., F.F. Bauer & P. van Rensburg. 2006. Strategies for improving wine yeasts. Third International Viticultural and Oenology Conference, Somerset West. **(POSTER)** (14 – 17 Nov)

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- (252) Bauer, F.F., T. Næs, K.H. Esbensen, P.R. Young, M. du Toit & M.A. Vivier. 2007. Functional Wine-omics. Thirteenth Australian Wine Industry Technical Conference, Adelaide, Australia. (28 Jul – 2 Aug) **(By invitation/Op uitnodiging – Keynote speaker)**
- (253) Bauer, R., H.H. Nieuwoudt, J. Bekker, M. du Toit, F.F. Bauer, J. Kossmann & B. Burger. 2007. Microbial production of acrolein and GC-MS detection in wine by high capacity sample enrichment probe. Thirteenth Australian Wine industry Technical Conference, Adelaide Australia. (28 Jul-2 Aug)
- (254) Becker J.v.W., P.R. Young & M.A. Vivier. 2007. The tobacco terpenoid pathway is induced in response to *Botrytis cinerea* infection. 2007. XIII International Congress on Molecular Plant-Microbe Interactions, Sorrento, Italy.
- (255) Becker, J.v.W., A.G.J. Tredoux, K.J. Denby & M.A. Vivier. 2007. Transcriptomic analysis of PGIP-specific resistance phenotypes against *Botrytis cinerea* reveals novel roles of PGIPs in plant defense responses. Fourteenth International *Botrytis* symposium, Cape Town, South Africa. (21-26 Oct)
- (256) Becker, JvW, A.G.J. Tredoux, K.J. Denby & M.A. Vivier. 2007. Analysis of PGIP-specific resistance phenotypes towards elucidating the role of PGIPs in plant defense responses. XIII International Congress on Molecular Plant-Microbe Interactions, Sorrento, Italy. (21-27 Jul)
- (257) De Beer, A & M.A. Vivier. 2007. A small peptide from *vitis vinifera*, shows antifungal activity towards the necrotrophic plant pathogen *Botrytis cinerea*. Fourteenth International *Botrytis* symposium, Cape Town, South Africa. (21-26 Oct)
- (258) De Beer, A. & M.A. Vivier. 2007. A ripening induced defensin gene from *vitis vinifera* shows antifungal activity against a broad spectrum of fungal pathogens. Fifth International Table Grape Symposium, Somerset West, South Africa. (14-16 Nov)
- (259) De Groot, A.C., M. du Toit & H.H. Nieuwoudt. 2007. Discrimination of wine-associated microorganisms based on their FTIR-ATR spectra. Workshop on FT-IR Spectroscopy in Microbiological and Medical Diagnostics. Robert Koch-Institute Berlin, Germany. (25-26 Oct) [<http://www.midas.rki.de>]
- (260) Divol, B.T., C. Louw & P. van Rensburg. 2007. Identification of inhibitors for *PGU1* gene expression in *Saccharomyces cerevisiae* through the screening of a yeast deletion library. XXIII International Conference on Yeast Genetics and Molecular Biology, Melbourne, Australia. (1-6 Jul)
- (261) Divol, B.T., C. Louw & P. van Rensburg. 2007. Pectolytic activity in *Saccharomyces cerevisiae* is dependent on a *trans*-acting factor, activated by *TEC1*. XXIII International Conference on Yeast Genetics and Molecular Biology, Melbourne, Australia. (1-6 Jul)
- (262) Du Toit, M. 2007. Co-inoculation of wine yeast and malolactic bacteria in high pH wines. Enoforum 2007, Piacenza, Italy. **(By invitation/Op uitnodiging – Keynote speaker)** (13-15 March)
- (263) Du Toit, M. 2007. Food and beverage fermentations dominated by yeasts. Second International Committee on Food Microbiology and Hygiene (ICFMH) workshop: Food Safety in Africa, Stellenbosch. **(By invitation/Op uitnodiging)** (25-31 Nov)
- (264) Engelbrecht, L. & M. du Toit. 2007. Selection and evaluation of potential new malolactic fermentation starter cultures. Thirteenth Australian Wine Industry Technical Conference, Adelaide, Australia. (28 Jul – 2 Aug) **(POSTER)**
- (265) Govender, P., J.L. Domingo, A.S. Gupthar & F.F. Bauer. 2007. Modified FLO gene expression in *Saccharomyces cerevisiae* laboratory and wine yeast strains: Controlled flocculation through promoter replacement. BioMicroWorld-2007, Second International Conference on Environmental, Industrial and Applied Microbiology, Seville, Spain (28 Nov – 1 Des.)
- (266) Lambrechts, M., E. Lochner, M.P. Botes & H.H. Nieuwoudt. 2007. Evaluating Anthocyanin Measurements as an Additional Tool to Assess Grape quality. 8th International Symposium Innovations in Enology 20-23 April 2007. Intervitis/Interfructa, Stuttgart, Germany. (20-23 April)
- (267) Malherbe, S., M. du Toit, F.F. Bauer & H.H. Nieuwoudt. 2007. A simple and effective strategy for the selection of calibration samples for FT-IR spectroscopy. Thirteenth Australian Wine Industry Technical Conference, Adelaide, Australia. (28 Jul – 2 Aug)
- (268) Malherbe, S., M. du Toit, F.F. Bauer & H.H. Nieuwoudt. 2007. A simple and effective strategy for the selection of calibration samples for FT-IR spectroscopy. *In vivo Analytica Scientia* Conference, Melbourne, Australia.

- (269) Malherbe, S., M. du Toit, H.H. Nieuwoudt & F.F. Bauer. 2007. Problem fermentations: an industrial case study investigating the discrimination possibilities of FT-IR spectroscopy. Thirteenth Australian Wine Industry Technical Conference, Adelaide, Australia. (28 Jul – 2 Aug)
- (270) Malherbe, S., M. du Toit, H.H. Nieuwoudt & M.A. Stander. 2007. Simultaneous quantification of the main organic acids, sugars, glycerol and ethanol in wine using HPLC. Thirteenth Australian Wine Industry Technical Conference, Adelaide, Australia. (28 Jul – 2 Aug)
- (271) Malherbe, S., M. du Toit, H.H. Nieuwoudt & M.A. Stander. 2007. Simultaneous quantification of the main organic acids, sugars, glycerol and ethanol in wine using HPLC. *In vino Analytica Scientia* Conference, Melbourne, Australia.
- (272) Mbewana, S., D.A. Joubert & M.A. Vivier. 2007. Transgenic tobacco with altered lignin levels: Analysis of possible fungal resistance phenotypes. Fourteenth International *Botrytis* symposium, Cape Town, South Africa. (21-26 Oct)
- (273) Nelson, L., A. Oelofse & M. du Toit. 2007. The influence of *Saccharomyces cerevisiae* and lactic acid bacteria on the production of volatile phenols by *Dekkera bruxellensis*. Thirteenth Australian Wine Industry Technical Conference, Adelaide, Australia. (28 Jul – 2 Aug)
- (274) Nieuwoudt, H.H. 2007. Evaluation of Fourier transform near- and mid infrared spectroscopy to monitor table grape quality: a preliminary study. Fifth International Table Grape Symposium, Somerset West, South Africa. (14-16 Nov)
- (275) Nieuwoudt, H.H., R.K. Mortimer, I.S. Pretorius, F.F. Bauer & B.A. Prior. 2007. Evaluation of metabolic profiles of *Saccharomyces cerevisiae* bred selectively for elevated glycerol production. International Specialised Symposium on Yeasts, Sorrento, Naples, Italy. (3-7 Jun)
- (276) Oelofse, A., S. Malherbe, A.C. de Groot & M. du Toit. 2007. Discrimination of *Dekkera bruxellensis* strains isolated from red wines by infrared spectroscopy. Thirteenth Australian Wine Industry Technical Conference, Adelaide, Australia. (28 Jul – 2 Aug)
- (277) Rudnitskaya, A., H.H. Nieuwoudt, A. Legin, N. Muller & M. du Toit. 2007. Detection of bitter taste in red wine using an electronic tongue sensor system. *In vino Analytica Scientia* Conference, Melbourne, Australia. (22-25 Jul)
- (278) Stander, C. & M.A. Vivier. 2007. Grape berry cultures as a tool to study berry ripening related processes. Fifth International Table Grape Symposium, Somerset West, South Africa. (14-16 Nov)
- (279) Tredoux, M.M., A. de Beer, L. Mostert & M.A. Vivier. 2007. The evaluation of the antifungal activity of a *Vitis vinifera* antifungal peptide. Fourteenth International *Botrytis* symposium, Cape Town, South Africa. (21-26 Oct)
- (280) Venter, A., D.A. Joubert & M.A. Vivier. 2007. The evaluation of a range of *Vitis* polygalacturonase-inhibiting proteins (PGIPs) for their antifungal activity against *Botrytis cinerea*. Fourteenth International *Botrytis* symposium, Cape Town, South Africa. (21-26 Oct)
- (281) Vivier, M.A. 2007. Grapevine biotechnology: Scope and value for viticulture and table grape product development. Fifth International Table Grape Symposium, Somerset West, South Africa. (14-16 Nov)
- (282) Young, P.R., J.v.W. Becker & M.A. Vivier. 2007. The mevalonate- and terpenoid pathway is induced in response to *Botrytis cinerea* infection in both tobacco and grapevine. Fourteenth International *Botrytis* symposium, Cape Town, South Africa. (21-26 Oct)

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- (283) Becker, J.v.W., A. Venter, S. Mbewana & M.A. Vivier. 2008. Functional analysis of Polygalacturonase-inhibiting proteins (PGIPs) from *Vitis* species: Identification of an additional role in plant defence. Eighth International Symposium on Grapevine Physiology and Biotechnology, Adelaide, Australia. (23-28 Nov)
- (284) Bosch, S. & F.F. Bauer. 2008. Understanding carbon flux in *Saccharomyces cerevisiae*: The case of fermentations with high initial sugar content. Yeast Genetics and Molecular Biology Meeting, University of Toronto, Ontario, Canada. (22-27 Jul)
- (285) Buica, A., H.H. Nieuwoudt, P. van Rensburg & A.M. Crouch. 2008. Analysis of non-volatile compounds in South African young wines: Phenolic Compounds. ITP2008 - Sixteenth International Symposium on Capillary Electroseparation Techniques, Catania, Italy. (31 Aug - 4 Sep) (**POSTER**)
- (286) Buica, A., H.H. Nieuwoudt, P. van Rensburg & A.M. Crouch. 2008. Analysis of non-volatile compounds in South African young wines: Organic Acids. ITP2008 - Sixteenth International Symposium on Capillary Electroseparation Techniques, Catania, Italy. (31 Aug - 4 Sep) (**POSTER**)
- (287) Buica, A., H.H. Nieuwoudt, P. van Rensburg & A.M. Crouch. 2008. Analysis of non-volatile compounds in South African young wines: Phenolic Compounds. ITP2008 - Sixteenth International Symposium on Capillary Electroseparation Techniques, Catania, Italy. (31 Aug - 4 Sep)
- (288) Du Preez, J., D. Stephan, M. Bignaut, C. Stander, M.A. Vivier, D. Goszczynski & J.T. Burger. 2008. The characterisation of virus-based vectors for functional genomic studies in grapevine. Eighth International Symposium on Grapevine Physiology and Biotechnology, Adelaide, Australia. (23-28 Nov) (**POSTER**)
- (289) Du Toit, M., C. Knoll & B.T. Divol. 2008. Genetic screening of lactic acid bacteria of oenological origin for bacteriocin encoding genes. Ninth Symposium on Lactic acid and bacteria, Egmond aan Zee, The Netherlands. (31 Aug – 4 Sep)

- (290) Du Toit, M., S. Mtshali, C. Knoll & B.T. Divo. 2008. Genetic screening of wine lactic acid bacteria for enzyme encoding genes important in winemaking. Ninth Symposium on Lactic acid and bacteria, Egmond aan Zee, The Netherlands. (31 Aug - 4 Sep)
- (291) Knoll, C., B.T. Divo & M. du Toit. 2008. Antimicrobial activity of lactic acid bacteria of oenological origin. Twenty first International ICFMH Symposium, Aberdeen, Scotland. (1-4 Sep)
- (292) Kroppenstedt, S., J.H. Swiegers & F.F. Bauer. 2008. Carnitine and carnitine acetyltransferases in *Saccharomyces cerevisiae*: A role for carnitine in stress protection. Yeast Genetics and Molecular Biology Meeting, University of Toronto, Ontario, Canada. (22-27 Jul)
- (293) Lashbrooke, J.G., P.R. Young, A.G.J. Tredoux, K. Vasanth & M.A. Vivier. 2008. Functional analysis of grapevine carotenoid cleavage dioxygenase (*VvCCD1*) using over-expression and silencing strategies. Eighth International Symposium on Grapevine Physiology and Biotechnology, Adelaide, Australia. (23-28 Nov) **(POSTER)**
- (294) Malherbe, D.F., B.T. Divo, M. du Toit, I.S. Pretorius & P. van Rensburg. 2008. Engineering of a wine yeast strain for reduced alcohol production. Twenty first International ICFMH Symposium, Aberdeen, Scotland. (1-4 Sep)
- (295) Rossouw, D. & F.F. Bauer. 2008. 'Omic' profiling of wine yeast strains during alcoholic fermentation. European Conference for Computational Biology, Cagliari, Italy. (22-26 Sep) **(POSTER)**
- (296) Sharathchandra, R.G., B.K. Ndimba & M.A. Vivier. 2008. Proteomic analysis of PGIP-specific fungal resistant phenotypes in tobacco. Second South African International Conference on Genomics and Proteomics, University of the Western Cape, South Africa. (3-5 March)
- (297) Tredoux, A.G.J., A.J. de Villiers, P. Májek, F. Lynen, A.M. Crouch & P. Sandra. 2008. Stir bar sorptive extraction – GC-MS combined with chemometric methods for the classification of South African wines according to the volatile composition. Thirty second International symposium on Capillary Chromatography (ISCC), Riva del Garda, Italy. (27-30 May) **(POSTER)**
- (298) Van Wyk, H. & B.T. Divo. 2008. Recovery of endo-polygalacturonase activity in recombinant wine strains of *Saccharomyces cerevisiae*. Twenty first International ICFMH Symposium. Aberdeen, Scotland. (1-4 Sep)
- (299) Vasanth, K. & M.A. Vivier. 2008. Grapevine tissue culture and transformation. Fourth International Symposium on Acclimatization and Establishment of Micropropagated Plants, Bangalore, India. (8-12 Dec)
- (300) Vasanth, K., T. Lerm & M.A. Vivier. 2008. Cryopreservation and *Agrobacterium*-mediated transformation of suspension cultures of grapevine (*Vitis vinifera* L.). International Conference on Biotechnology, India. (6-8 Feb) **(POSTER)**

REFERATE BY VAKKONGRESSE/PAPERS AT SCIENTIFIC CONFERENCES

NASIONAAL/NATIONAL

1995

- (1) Crous, J.M., D.C. la Grange, I.S. Pretorius & W.H. van Zyl. 1995. Heterologous production of fungal arabinoxylan-degrading enzymes in yeast. Thirteenth Congress of the SA Biochemical Society, Bloemfontein.
- (2) D'Aguanno, V.S., B.J.H. Janse, M.J. Prinsloo, A.J.C. Steyn & I.S. Pretorius. 1995. The expression of amylase genes in industrially important yeasts. Conference of the Biology Division of the S.A. Akademie vir Wetenskap en Kuns, Stellenbosch.
- (3) Franken, D.B., I.S. Pretorius & A.S. Gupthar. 1995. Genome-linked ScV cytoduction in *Pichia Stipitis*. Thirteenth Congress of the SA Biochemical Society, Bloemfontein.
- (4) Gagiano, M., M.G. Lambrechts, M.A. Vivier & I.S. Pretorius. 1995. The regulation of the *STA2* glucoamylase gene in *Saccharomyces cerevisiae*. Conference of the Biology Division of the S.A. Akademie vir Wetenskap en Kuns, Stellenbosch.
- (5) La Grange, D.C., J.M. Crous, I.S. Pretorius & W.H. van Zyl. 1995. The degradation of xylan by recombinant yeasts. Conference of the Biology Division of the S.A. Akademie vir Wetenskap en Kuns, Stellenbosch.
- (6) La Grange, D.C., M. Luttig, I.S. Pretorius & W.H. van Zyl. 1995. Heterologous production of xylan-degrading enzymes in yeast. Biotechnology for Africa '95 Congress, Pretoria.
- (7) Lambrechts, M.G., M.A. Vivier & I.S. Pretorius. 1995. A multicopy suppressor gene, *MSS10*, restores *STA2* expression in yeast strains containing the *STA10* repressor gene. Thirteenth Congress of the SA Biochemical Society, Bloemfontein.
- (8) Pretorius, I.S. & W.H. van Zyl. 1995. The genetic manipulation of the yeast *Saccharomyces cerevisiae* with the aim of converting polysaccharides into commercially important commodities. Congress of the S.A. Institute for Agricultural Engineers Symposium, Durban.
- (9) Prinsloo, M.J., M.G. Lambrechts & I.S. Pretorius. 1995. Cloning and characterization of α -amylase and glucoamylase genes from *Endomyces fibuliger* and their expression in *Saccharomyces cerevisiae*. Thirteenth Congress of the SA Biochemical Society, Bloemfontein.
- (10) Swart, A.C., P. Swart, S.P. Roux, K.J. van der Merwe, I.S. Pretorius & A.J.C. Steyn. 1995. Expression of human P450c17 as an export protein in *Saccharomyces cerevisiae*. Thirteenth Congress of the SA Biochemical Society, Bloemfontein.
- (11) Van Rensburg, P., W.H. van Zyl & I.S. Pretorius. 1995. Expression of a *Ruminococcus flavefaciens* cellodextrinase gene in *Saccharomyces cerevisiae*. Thirteenth Congress of the SA Biochemical Society, Bloemfontein.

- (12) Van Rensburg, P., W.H. van Zyl & I.S. Pretorius. 1995. The expression of cellulase and pectinase genes in *Saccharomyces cerevisiae*. Conference of the Biology Division of the S.A. Akademie vir Wetenskap en Kuns, Stellenbosch.
- (13) Vivier, M.A., M.G. Lambrechts & I.S. Pretorius. 1995. The 5' untranslated region of the *STA2* glucoamylase gene in *Saccharomyces cerevisiae* var. *diastaticus*: the effects of an uORF and various transcript lengths. Thirteenth Congress of the SA Biochemical Society, Bloemfontein.

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- (14) Carstens, E., M.G. Lambrechts & I.S. Pretorius. 1996. Flocculation in wine yeasts. Ninth Biennial Congress of the S.A. Society for Microbiology, Pretoria.
- (15) Carstens, E., M.G. Lambrechts & I.S. Pretorius. 1996. Pseudohyphal development and invasive growth by wine yeasts. Ninth Biennial Congress of the S.A. Society for Microbiology, Pretoria.
- (16) La Grange, D.C., C.J. Moes, I.S. Pretorius & W.H. van Zyl. 1996. Heterologous production of xylan-utilising enzymes in yeast. Ninth Biennial Congress of the S.A. Society for Microbiology, Pretoria.
- (17) Lambrechts, M.G. & I.S. Pretorius. 1996. co-regulation of starch degradation and pseudohyphae formation in *Saccharomyces cerevisiae*. Ninth Biennial Congress of the S.A. Society for Microbiology, Pretoria.
- (18) Pretorius, I.S. 1996. Breeding and genetic engineering of wine yeasts. Ninth Biennial Congress of the S.A. Society for Microbiology, Pretoria.
- (19) Pretorius, I.S. 1996. International competitiveness: the role of biotechnology. Annual Meeting of Die Suid-Afrikaanse Akademie vir Wetenskap en Kuns, University of Pretoria, Pretoria. **(Op uitnodiging/By invitation)**
- (20) Pretorius, I.S. 1996. The yeast genome: mapping, sequencing and functional analysis. Fifteenth Congress of the S.A. Genetics Society, Stellenbosch.
- (21) Schoeman, H., M.A. Vivier, L.M.T. Dicks & I.S. Pretorius. 1996. Expression of the *Pediococcus acidilactici* pediocin gene in *Saccharomyces cerevisiae*. Ninth Biennial Congress of the S.A. Society for Microbiology, Pretoria.
- (22) Steyn, A.J.C. & I.S. Pretorius. 1996. Cloning, mapping and expression of cDNA and genomic copies of the *Lipomyces kononenkoae* α -amylase-encoding gene in *Saccharomyces cerevisiae* and *Schizosaccharomyces pombe*. Ninth Biennial Congress of the S.A. Society for Microbiology, Pretoria.
- (23) Van Rensburg, P., W.H. van Zyl & I.S. Pretorius. 1996. co-expression of heterologous genes encoding endo- β -glucanase, cellobiohydrolase, cellodextrinase and cellobiase in *Saccharomyces cerevisiae*. Ninth Biennial Congress of the S.A. Society for Microbiology, Pretoria.
- (24) Vivier, M.A. & I.S. Pretorius. 1996. A second signal recognition event enhances secretion of the *STA2*-encoded glucoamylase into the culture medium. Ninth Biennial Congress of the S.A. Society for Microbiology, Pretoria.
- (25) Vivier, M.A. & I.S. Pretorius. 1996. Purification of the *STA2*-encoded glucoamylase from *Saccharomyces cerevisiae* to determine the N-terminus and study the glycosylation patterns. Ninth Biennial Congress of the S.A. Society for Microbiology, Pretoria.
- (26) Webber, A.L., M.G. Lambrechts & I.S. Pretorius. 1996. Multiple copies of *MSS10* and *MSS11* induce glucoamylase production and invasive growth in *Saccharomyces cerevisiae*. Ninth Biennial Congress of the S.A. Society for Microbiology, Pretoria.

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- (27) De Koker, T.H., J. Zhao, D. Cullen, I.S. Pretorius & B.J.H. Janse. 1997. Biochemical and molecular diversity of a *Phanerochaete chrysosporium* population. Biotech SA '97 Congress, Grahamstown.
- (28) De Villiers, M., M.G. Lambrechts & I.S. Pretorius. 1997. Manipulating ester production in recombinant wine yeast. Twenty first Conference of the S.A. Society for Enology and Viticulture, Cape Town.
- (29) Khan, W., T.J. van der Westhuizen & I.S. Pretorius. 1997. Geographic distribution of indigenous *Saccharomyces cerevisiae* strains in the warmer inland wine regions of the western Cape in South Africa. Twenty first Conference of the S.A. Society for Enology and Viticulture, Cape Town.
- (30) Pretorius, I.S. & M.G. Lambrechts. 1997. From the vineyard to the wine barrel: *MUC1*, the yeast's answer to a changing environment. Biotech SA '97 Congress, Grahamstown.
- (31) Van Zyl, W.H., D.C. la Grange, J.M. Crous, M. Luttig, P. van Rensburg & I.S. Pretorius. 1997. Heterologous production of lignocellulose-degrading enzymes in yeast. Biotech SA '97 Congress, Grahamstown.

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- (32) Goussard, P.G. & M.A. Vivier. 1998. The induction and maintenance of embryonic cell lines of Chardonnay and Merlot noir for use in transformation experiments. Twenty second Conference of the S.A. Society for Enology and Viticulture, Cape Town.
- (33) Khan, W., T.J. van der Westhuizen & I.S. Pretorius. 1998. The biological and biochemical characterization of naturally isolated strains of *Saccharomyces cerevisiae* from the Western Cape region of South Africa. Twenty second Conference of the S.A. Society for Enology and Viticulture, Cape Town.
- (34) La Grange, D.C., I.S. Pretorius & W.H. van Zyl. 1998. Cloning, expression and characterization of genes encoding xylan-degrading enzymes in yeast. Tenth Biennial Congress of the SA Society for Microbiology, Durban.
- (35) Lambrechts, M.G., L.C.J. Livingstone, K. Lourens, P. van Rensburg & I.S. Pretorius. 1998. Improved autolysis of yeast cells during the *sur lie* production of wine. Tenth Biennial Congress of the SA Society for Microbiology, Durban.

- (36) Pretorius, I.S., M.G. Lambrechts, P. van Rensburg, F.F. Bauer & M.A. Vivier. 1998. Gene technology in winemaking: new approaches to an ancient art. Tenth Biennial Congress of the SA Society for Microbiology, Durban.
- (37) Schoeman, H., M. du Toit, M.A. Vivier, L.M.T. Dicks & I.S. Pretorius. 1998. Development and potential application of wine yeasts with antimicrobial activity. Twenty second Conference of the S.A. Society for Enology and Viticulture, Cape Town.
- (38) Schoeman, H., M.A. Vivier, L.M.T. Dicks & I.S. Pretorius. 1998. The development of wine yeasts with antimicrobial activity. Tenth Biennial Congress of the SA Society for Microbiology, Durban.
- (39) Stanley, L.C.J., M.G. Lambrechts, P. van Rensburg & I.S. Pretorius. 1998. Manipulation of autolysis in *Saccharomyces cerevisiae*. Twenty second Conference of the S.A. Society for Enology and Viticulture, Cape Town.
- (40) Van Rensburg, P., A.J.C. Steyn & I.S. Pretorius. 1998. Cloning, characterization and expression of a second α -amylase gene (*LKA2*) from *Lipomyces spencermartinsiae* in *Saccharomyces cerevisiae*. Tenth Biennial Congress of the SA Society for Microbiology, Durban.
- (41) Van Zyl, W.H., D.C. la Grange, P. van Rensburg, S.H. Petersen, A. Pieterse & I.S. Pretorius. 1998. Expression and production of hydrolases in yeast. Tenth Biennial Congress of the SA Society for Microbiology, Durban.
- (42) Vivier, M.A., P.G. Goussard & I.S. Pretorius. 1998. Genetic transformation of *Vitis vinifera* cultivars Chardonnay and Merlot with a reporter gene. Twenty second Conference of the S.A. Society for Enology and Viticulture, Cape Town.

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- (43) De Ascensao, A., M.A. Vivier & I.S. Pretorius. 1999. The cloning and characterisation of the gene encoding the polygalacturonase-inhibiting protein (PGIP) from *Vitis vinifera*. Twenty-third Conference of the SA Society for Enology and Viticulture, Cape Town.
- (44) Esterhuizen, R., M.A. Vivier, F.C. Botha & I.S. Pretorius. 1999. Manipulation of grapevine sugar metabolism. Twenty-third Conference of the SA Society for Enology and Viticulture, Cape Town.
- (45) Freeborough, M.-J., J.T. Burger & I.S. Pretorius. 1999. A new approach for the control of grapevine leafroll disease. Twenty-third Conference of the SA Society for Enology and Viticulture, Cape Town.
- (46) Jolly, N.P. & I.S. Pretorius. 1999. The distribution of non-*Saccharomyces* yeast strains in four production areas of the Western Cape. Twenty-third Conference of the SA Society for Enology and Viticulture, Cape Town.
- (47) Joubert, D.A., M.A. Vivier & I.S. Pretorius. 1999. A grapevine transformation system derived from an indigenous pathogenic *Agrobacterium vitis* strain. Twenty-third Conference of the SA Society for Enology and Viticulture, Cape Town.
- (48) Lambrechts, M.G., H.W. du Plessis, C.L.C. Steger, M. du Toit, L.M.T. Dicks & I.S. Pretorius. 1999. Occurrence and characterization of lactic acid bacteria in base wines for brandy making. Twenty-third Conference of the SA Society for Enology and Viticulture, Cape Town.
- (49) Van Rensburg, P., M.L.A. Strauss, M.G. Lambrechts, N.P. Jolly & I.S. Pretorius. 1999. Screening of non-*Saccharomyces* wine yeast for the presence of extracellular hydrolytic enzymes. Twenty-third Conference of the SA Society for Enology and Viticulture, Cape Town.
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- (52) Balla, E., L.M.T. Dicks, M. du Toit, M.J. Van der Merwe & W.H. Holzapfel. 2000. Characterization and cloning of the genes encoding Enterocin 1071A and Enterocin 1071B, two antimicrobial peptides produced by *Enterococcus faecalis* BFE 1071. BioY2K Combined Millennium Meeting, Grahamstown.
- (53) Bayly, J.C., M.G. Lambrechts, W.J. du Toit & I.S. Pretorius. 2000. The isolation, identification and characterization of lactic acid bacteria occurring during red wine fermentations. BioY2K Combined Millennium Meeting, Grahamstown.
- (54) De Ascensao, A., M.A. Vivier, D.U. Bellstedt, J.T. Burger & I.S. Pretorius. 2000. The isolation of a gene encoding the polygalacturonase-inhibiting protein (PGIP). BioY2K Combined Millennium Meeting, Grahamstown.
- (55) Esterhuizen, R., M.A. Vivier, F.C. Botha & I.S. Pretorius. 2000. Transformation of grapevine (*Vitis vinifera*) with a yeast-derived invertase (*SUC2*) targeted to different cellular localizations. BioY2K Combined Millennium Meeting, Grahamstown.
- (56) Farmer, J.M., N.P. Jolly, I.S. Pretorius & M.G. Lambrechts. 2000. Optimizing a model grape must and preliminary comments on the urea formation by wine yeasts. BioY2K Combined Millennium Meeting. Grahamstown.
- (57) Jolly, N.P. & I.S. Pretorius. 2000. The distribution of non-*Saccharomyces cerevisiae* yeast strains in four wine production regions of the Western Cape. BioY2K Combined Millennium Meeting, Grahamstown.
- (58) Joubert, D.A., M.A. Vivier & I.S. Pretorius. 2000. *Agrobacterium vitis* derived grapevine transformation system: T-DNA characterisation of an indigenous *A. vitis* strain. BioY2K Combined Millennium Meeting, Grahamstown.

- (59) Khan, W., O.P.H. Augustyn, T.J. van der Westhuizen & I.S. Pretorius. 2000. Geographical distribution, characterization and evaluation of *Saccharomyces cerevisiae* strains isolated from South African vineyards in the warmer inland regions of the Western Cape. BioY2K Combined Millennium Meeting. Grahamstown.
- (60) Maritz, A., P. van Rensburg & I.S. Pretorius. 2000. Cloning and expression of p -coumaric acid decarboxylase and phenolic acid decarboxylase in *Saccharomyces cerevisiae*. BioY2K Combined Millennium Meeting, Grahamstown.
- (61) Pretorius, I.S. 2000. Tailoring wine yeast for the new millennium: novel approaches to the ancient art of winemaking. BioY2K Combined Millennium Meeting, Grahamstown. (*Op uitnodiging/By invitation*)
- (62) Rainieri, S., V.S. D'Aguanno, F.F. Bauer & I.S. Pretorius. 2000. Improvement of *Saccharomyces cerevisiae* wine strains to control acidity in Italian and South African wines. BioY2K Combined Millennium Meeting, Grahamstown.
- (63) Schoeman, H., M.A. Vivier, M. du Toit, L.M.T. Dicks & I.S. Pretorius. 2000. Expression of pediocin PA-1, a bacteriocin produced by *Pediococcus acidilactici*, in *Saccharomyces cerevisiae*. BioY2K Combined Millennium Meeting, Grahamstown.
- (64) Vadasz, A., D.B. Jagganath, I.S. Pretorius & A.S. Gupthar. 2000. Microscale vinifications challenged by a K₂ killer yeast. BioY2K Combined Millennium Meeting, Grahamstown.
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- (68) Vivier, M.A., J.v.W. Becker, M. Carstens, A.R. de Ascensao, A. de Beer, E. Marais & I.S. Pretorius. 2000. Engineering fungal resistance in grapevine (*Vitis vinifera*). BioY2K Combined Millennium Meeting. Grahamstown.
- (69) Young, P.R., I.S. Pretorius & M.A. Vivier. 2000. The structural analysis of a β -carotene hydroxylase-encoding gene from *Vitis vinifera*. BioY2K Combined Millennium Meeting, Grahamstown.

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- (71) Bayly, J.C., M. du Toit, M.G. Lambrechts & I.S. Pretorius. 2001. The manipulation of the genes involved in the production of ethyl- and isoamyl acetate during the production of wine and brandy. Twenty fifth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (72) Bergstedt, J.K., M.G. Lambrechts, N.P. Jolly & M. du Toit. 2001. The influence of non-Saccharomyces yeasts on volatile acidity in wines. Twenty fifth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (73) Berthels, N.J., H.E. Patterton, F.F. Bauer, J.M. Thevelein & I.S. Pretorius. 2001. Improvement of fructose utilization by *Saccharomyces cerevisiae* wine yeast. Twenty fifth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (74) Domingo, J.L., P. Govender, F.F. Bauer & I.S. Pretorius. 2001. Adjusting the flocculation behaviour of yeast strains to improve winemaking. Twenty fifth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (75) Du Toit, M., C. du Toit, S.J. Krieling & I.S. Pretorius. 2001. Biopreservation of wine with antimicrobial peptides. Twenty fifth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (76) Hignett, J.S., M. du Toit, M.G. Lambrechts & I.S. Pretorius. 2001. The disruption and overexpression of two esterase genes, *TIP20* and *IAH1*, in industrial *Saccharomyces cerevisiae*. Twenty fifth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (77) Lerm, T. & M.A. Vivier. 2001. Optimisation of regeneration of somatic embryos from *Vitis vinifera* cultivar Sultana. Twenty fifth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (78) Lynd, L.R., W.H. van Zyl & I.S. Pretorius. 2001. Resource biotechnology. Cape Biotech 2001, Cape Town.
- (79) Patterton, H.E., N.J. Berthels, F.F. Bauer, J.M. Thevelein & I.S. Pretorius. 2001. The assimilation of glucose by wine yeast under nitrogen limitation conditions. Twenty fifth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (80) Pretorius, I.S. 2001. Looking at gene technology in the wine industry: Fact of fiction? Beverage Industry Symposium 2001, Cape Town. (*Op uitnodiging/By invitation*)
- (81) Pretorius, I.S. 2001. Success through technological innovation. Technical Symposium of the Cape Pomological Association, Stellenbosch. (*Op uitnodiging By invitation*)
- (82) Van Rensburg, P., M.L.A. Strauss, M.G. Lambrechts & I.S. Pretorius. 2001. A novel approach to improve the colour of Pinot noir wines. Twenty fifth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (83) Vivier, M.A. & I.S. Pretorius. 2001. Genetic improvement of grapevine: tailoring grape varieties for the third millennium. Cape Biotech 2001, Cape Town.

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- (85) Downing, L., M. du Toit, M.G. Lambrechts & I.S. Pretorius. 2002. Production of biogenic amines by lactic acid bacteria isolated from South African wine. Twelfth Biennial Congress of the South African Society for Microbiology, Bloemfontein.
- (86) Du Plessis, H.W., C.L.C. Steger, M. du Toit & M.G. Lambrechts. 2002. The influence of malolactic fermentation on brandy aroma. Twenty sixth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (87) Jolly, N.P. & I.S. Pretorius. 2002. The use of *Candida pulcherrima* in combination with *Saccharomyces cerevisiae* for wine production. Twenty sixth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (88) Krieling, S.J., M. du Toit, M.G. Lambrechts & I.S. Pretorius. 2002. An investigation into lactic acid bacteria as a possible cause of bitterness in wine. Twelfth Biennial Congress of the South African society for Microbiology, Bloemfontein.
- (89) Krieling, S.J., M. du Toit & I.S. Pretorius. 2002. An investigation into lactic acid bacteria as a possible cause of bitterness in wine. 26th Conference of the SA Society for Enology and Viticulture, Somerset West.
- (90) Morgan, J., M. du Toit, M.A. Vivier & I.S. Pretorius. 2002. Screening, isolation and characterisation of antimicrobial peptides produced by lactic acid bacteria isolated from wine. Twelfth Biennial Congress of the South African Society for Microbiology, Bloemfontein.
- (91) Nieuwoudt, H.H., B.A. Prior, I.S. Pretorius & F.F. Bauer. 2002. Glycerol in wine: its implications for wine quality. Twenty sixth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (92) Schoeman, H., P. van Rensburg, M.K. Grossmann & I.S. Pretorius. 2002. Fate of a genetically modified yeast in the environment. Twelfth Biennial Congress of the South African Society for Microbiology, Bloemfontein.
- (93) Sheridan, C.M., F.F. Bauer & L. Lorenzen. 2002. A critical process analysis of wine production to improve cost, quality and environmental performance. Twenty sixth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (94) Swart, E.M., R.R. Cordero Otero, I.S. Pretorius & P. van Rensburg. 2002. The effect of proteases on the exogenous enzymes, specially β -glucosidases, used in the winemaking processes, with specific focus on Sauvignon blanc. Twenty sixth Conference of the SA Society for Enology and Viticulture, Somerset West.
- (95) Swiegers, J.H., F.M. Vaz, I.S. Pretorius, R.J. Wanders & F.F. Bauer. 2002. Carnitine biosynthesis in *Neurospora crassa*: Cloning of a cDNA coding for a trimethyllysine hydroxylase and functional expression in *Saccharomyces cerevisiae*. Twelfth Biennial Congress of the South African Society for Microbiology, Bloemfontein.
- (96) Pretorius, I.S. 2002. The tailoring of designer grapevine and wine yeasts for a market-directed and quality focussed wine industry. Second Annual South African Beverage Industry Summit, Stellenbosch.
- (97) Van Dyk, D., F.F. Bauer & I.S. Pretorius. 2002. The assessment of genetic interactions between regulators of pseudohyphal differentiation, invasive growth and starch metabolism in *Saccharomyces cerevisiae*. Twelfth Biennial Congress of the South African Society for Microbiology, Bloemfontein.

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- (98) Berthels, N.J., R.R. Cordero Otero, F.F. Bauer, I.S. Pretorius & J.M. Thevelein. 2003. Discrepancy in glucose and fructose utilisation during fermentation by *Saccharomyces cerevisiae* wine yeast. Twenty seventh Conference of the South African Society for Enology and Viticulture, Somerset West.
- (99) Cordero Otero, R.R., J.F. Ubeda Iranzo, A.I. Briones-Perez, N. Potgieter, M. Arevalo Villena, I.S. Pretorius & P. van Rensburg. 2003. β -glucosidases from yeasts isolated from grapes. Twenty seventh Conference of the South African Society for Enology and Viticulture, Somerset West.
- (100) Gut, H., P. van Rensburg, J. Snoep & F.F. Bauer. 2003. Mass-mating, enrichment and selection: a new strategy to generate optimised wine yeast strains. Twenty seventh Conference of the South African Society for Enology and Viticulture, Somerset West.
- (101) Lilly, M., F.F. Bauer, M.G. Lambrechts & I.S. Pretorius. 2003. Engineering *Saccharomyces cerevisiae* for optimised aroma production. Twenty seventh Conference of the South African Society for Enology and Viticulture, Somerset West.
- (102) Malherbe, D.F., M. du Toit, R.R. Cordero Otero, I.S. Pretorius & P. van Rensburg. 2003. The development of a recombinant wine yeast strain capable of simultaneously reducing the alcohol content and biopreserving wine. Twenty seventh Conference of the South African Society for Enology and Viticulture, Somerset West.
- (103) Van Rensburg, P., B. Mocke & F.F. Bauer. 2003. Novel wine yeast strains for differential malic acid and/or pectin degradation during alcoholic fermentation. Twenty seventh Conference of the South African Society for Enology and Viticulture, Somerset West.

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- (104) Arensburg, J., I.S. Pretorius & F.F. Bauer. 2004. New targets for the transcription factor Mss1p in *Saccharomyces cerevisiae*. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (105) Bauer, F.F., I.S. Pretorius & J.H. Swiegers. 2004. Cloning and expression of *Neurospora crassa* carnitine biosynthesis genes in *Saccharomyces cerevisiae*. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.

- (106) Becker, J., K. Trollope, M.J. van der Merwe, M. du Toit, M.H. Lambrechts, M.A. Vivier & I.S. Pretorius. 2004. Metabolic engineering of *Saccharomyces cerevisiae* for the synthesis of the antioxidant resveratrol. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (107) Berthels N.J., R.R. Cordero Otero, F.F. Bauer, J.M. Thevelein & I.S. Pretorius. 2004. Fructose utilisation by the glucophilic wine yeast *Saccharomyces cerevisiae*. Eighteenth Congress of the South African Genetics Society. Stellenbosch.
- (108) Bester, M.C., C.J. Franken, D. van Dyk, M. Gagiano, I.S. Pretorius & F.F. Bauer. 2004. Regulation of Ca²⁺-dependent flocculation by the *Saccharomyces cerevisiae* transcriptional regulator Mss11p. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (109) Champanis, R., M.A. Vivier, I.S. Pretorius & F.C. Botha. 2004. The expression of sugar transporters in transgenic tobacco. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (110) Cordero Otero R.R. 2004. d-Xylose induces cell death in *Saccharomyces cerevisiae*. Eighteenth Congress of the South African Genetics Society. Stellenbosch.
- (111) Cordero Otero R.R., M. Arevalo Villena, J.F. Ubeda Iranzo A.I. Briones-Perez. 2004. Purification, characterization, and substrate specificity of a novel highly glucose-tolerant b-glucosidase from *Debaryomyces* ssp. Eighteenth Congress of the South African Genetics Society. Stellenbosch.
- (112) De Beer, A. & M.A. Vivier. 2004. Isolation and characterization of a defense-related gene, Vv-AMP1, from grapevine. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (113) De Beer, A. & M.A. Vivier. 2004. Overexpression of an Antimicrobial Peptide from *Heuchera Sanguinea* in Tobacco for Inhibition of Fungal Pathogens. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (114) Downing, L., M. du Toit, H.E. Muller-Patterton, K. la Grange-Nel, I.S. Pretorius & M.G. Lambrechts. 2004. Biogenic amines in wine – the South African situation. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (115) Du Plessis, H.W., M.G. Lambrechts, C.L.C. Snyman, L.M.T. Dicks, I.S. Pretorius & M. du Toit. 2004. The occurrence of malolactic fermentation in brandy production. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (116) Groenewald, W.H., C.A. van Reenen, S.D. Todorov, M. du Toit & L.M.T. Dicks, 2004. Lactic acid bacteria from vinegar flies – novel species? Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (117) Gundllapalli Moses S.B., I.S. Pretorius & R.R. Cordero Otero. 2004. Cellobiohydrolase activity of engineered *Saccharomyces cerevisiae* exoglucanases. Eighteenth Congress of the South African Genetics Society. Stellenbosch.
- (118) Gundllapalli Moses S.B., I.S. Pretorius & R.R. Cordero Otero. 2004. Chimeric proteins of a b-glucosidase act efficiently on crystalline cellulose. Eighteenth Congress of the South African Genetics Society. Stellenbosch.
- (119) Gut, H., P. van Rensburg, J. Snoep & F.F. Bauer. 2004. Mass-mating, enrichment and selection: a new strategy to generate optimized wine yeast strains. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (120) Joubert, D.A., G. de Lorenzo, I.S. Pretorius & M.A. Vivier. 2004. Regulation of *Vitis vinifera* polygalacturonase inhibiting protein (PGIP) encoding genes. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (121) Kroppenstedt, S., M.J. van der Merwe, I.S. Pretorius & F.F. Bauer. 2004. Molecular characterisation of the three carnitine acetyltransferases in *Saccharomyces cerevisiae*. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (122) Lilly, M., M.G. Lambrechts, I.S. Pretorius & F.F. Bauer. 2004. Engineering *Saccharomyces cerevisiae* for optimised aroma production. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (123) Louw, C., D. la Grange, I.S. Pretorius & P. van Rensburg. 2004. Improving wine processing with polysaccharide-degrading wine yeast strains. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (124) Malherbe, D.F., M. du Toit, R.R. Cordero Otero, I.S. Pretorius & P. van Rensburg. 2004. Low-alcohol yeasts that are able to biopreserve wine. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (125) Malherbe, D.F., M. du Toit, R.R. Cordero Otero, I.S. Pretorius & P. van Rensburg. 2004. The development of a recombinant wine yeast train capable of simultaneously reducing the alcohol content and biopreserving wine. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (126) Mocke, B., F.F. Bauer & P. van Rensburg. 2004. A novel approach for novel yeast strain production. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (127) Oelofse, A., M.G. Lambrechts, I.S. Pretorius & M. du Toit. 2004. Characterisation of wine isolated acetic acid bacteria from South African red wines. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (128) Muller-Patterton, H.E., J. Thevelein, I.S. Pretorius & F.F. Bauer. 2004. Identification of genes that improve glucose assimilation by wine yeast under nitrogen limitation conditions. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (129) Ramachandran N., I.S. Pretorius & R.R. Cordero Otero. 2004. Domain architecture of *Lipomyces kononenkoae* α -amylases. Eighteenth Congress of the South African Genetics Society. Stellenbosch.

- (130) Ramachandran N., I.S. Pretorius & R.R. Cordero Otero. 2004. Ethanol production from starch by an engineered flocculent *Saccharomyces cerevisiae* strain. Eighteenth Congress of the South African Genetics Society, Stellenbosch.
- (131) Smit, A., I.S. Pretorius & R.R. Cordero Otero. 2004. Characterization, cloning and sequencing of maltotriose transporters from different *Saccharomyces* spp. strains. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (132) Styger, G., I.S. Pretorius & F.F. Bauer. 2004. Transcriptome analysis of a wine yeast strain during alcoholic fermentation. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (133) Taylor, K.L., P.R. Young, A.E. Brackenridge & M.A. Vivier. 2004. Overexpression of grapevine carotenoid biosynthetic genes in *Arabidopsis thaliana*. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (134) Thanvanthri-Gururajan V., I.S. Pretorius & R.R. Cordero Otero. 2004 d-Xylose utilization by a constitutive catabolite repressed or derepressed engineered yeast strain. Eighteenth Congress of the South African Genetics Society, Stellenbosch.
- (135) Van Rensburg P., J.F. Ubeda Iranzo, A.I. Briones-Perez, N. Potgieter, M. Arevalo Villena, I.S. Pretorius & R.R. Cordero Otero. 2004. Evaluation of b-Glucosidases from the grape native yeasts. Eighteenth Congress of the South African Genetics Society, Stellenbosch.
- (136) Van Rensburg P., M.L.A. Strauss, R.R. Cordero Otero, M.G. Lambrechts & I.S. Pretorius. 2004. A novel approach to improve the colour of Pinot Noir wines. Eighteenth Congress of the South African Genetics Society, Stellenbosch.
- (137) Van Rensburg P., T. Stidwell, M.G. Lambrechts, R.R. Cordero Otero & I.S. Pretorius. 2004. The application of β -glucosidase producing recombinant wine yeast strains in wine production. Eighteenth Congress of the South African Genetics Society, Stellenbosch.
- (138) Van Rensburg, P., J.F. Ubeda Iranzo, A.I. Briones-Perez, N. Potgieter, M. Arevalo Villena, I.S. Pretorius & R.R. Cordero Otero. 2004. Evaluation of β -glucosidases from the grape native yeasts. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (139) Van Rensburg, P., M.L.A. Strauss, R.R. Cordero Otero, M.G. Lambrechts & I.S. Pretorius. 2004. The application of β -glucanase producing recombinant wine yeast strain in wine production. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.
- (140) Viktor A., R.R. Cordero Otero & A. Valentine. 2004. Southern African legumes: a sustainable protein source. Eighteenth Congress of the South African Genetics Society, Stellenbosch.
- (141) Vivier, M.A. & Groenewald, S. 2004. Genetic improvement of grapevine cultivars at the IWBT. Thirtieth Congress of the South African Association of Botanists, Durban.
- (142) Young, P.R., S.W. Chen, M.A. Vivier & I.S. Pretorius. 2004. Overexpression of a β -carotene hydroxylase-encoding gene from *Vitis vinifera* improves photoprotection in tobacco. Thirteenth Congress of the South African Society of Microbiology, Stellenbosch.

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- (143) Guilamon, J.M. & R.R. Cordero Otero. 2005. Global gene expression programs in the response of yeast cells to low temperatures. Nineteenth Conference of the South African Society of Biochemistry and Molecular Biology, Stellenbosch.
- (144) Gundllapalli Moses, S., I.S. Pretorius & R.R. Cordero Otero. 2005. Development of *Saccharomyces cerevisiae* mutant over-expressing *Trichoderma reesei* cellobiohydrolase II. Nineteenth Conference of the South African Society of Biochemistry and Molecular Biology, Stellenbosch.
- (145) Ramachandran, N., I.S. Pretorius & R.R. Cordero Otero. 2005. Molecular characterisation of *Lipomyces kononenkoae* α -amylase LKA1. Nineteenth Conference of the South African Society of Biochemistry and Molecular Biology, Stellenbosch.
- (146) Smit, A., I.S. Pretorius & R.R. Cordero Otero. 2005. A *Saccharomyces cerevisiae* maltotriose transport protein: structure and regulation. Nineteenth Conference of the South African Society of Biochemistry and Molecular Biology, Stellenbosch.

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- (147) Bester, M.C. & F.F. Bauer. 2006. *FLO* gene regulation in the yeast *Saccharomyces cerevisiae*. Fourteenth Biennial Congress of the South African Society for Microbiology, Pretoria. (9 – 12 Apr)
- (148) Malherbe, D.F., C. Varela, P.J. Chambers, P. van Rensburg & I.S. Pretorius. 2006. Modulation of yeast enzymatic activities for the production of low alcohol wines. Fourteenth Biennial Congress of the South African Society for Microbiology, Pretoria. (9-12 Apr)
- (149) Ranwedzi, N., A. Smit, R.R. Cordero Otero & P. van Rensburg. 2006. Optimizing β -glucosidase enzyme production in wine yeast. Fourteenth Biennial Congress of the South African Society for Microbiology, Pretoria. (9-12 Apr)
- (150) Smit, A., I.S. Pretorius & R.R. Cordero Otero. 2006. Differences between *Saccharomyces sp* alpha glucoside transporters (AGT1) and their ability to transport maltotriose. Fourteenth Biennial Congress of the South African Society for Microbiology, Pretoria. (9-12 Apr)
- (151) Thanvanthri Gururajan, V., M.F. Gorwa-Grauslund, B. Hahn-Hagerdal, I.S. Pretorius & R.R. Cordero Otero. 2006. MIG1-mediated constitutive catabolite repression mutant improves xylose consumption during glucose-xylose co-

fermentation in recombinant *Saccharomyces cerevisiae*. South African Society of Biochemistry and Molecular Biology (SASBMB) Twentieth Conference, Pietermaritzburg. (2-5 Jul)

- (152) Thanvanthri Gururajan, V., P. van Rensburg, I.S. Pretorius & R.R. Cordero Otero. 2006. Identification and cloning of a *Neurospora crassa* xylose reductase in recombinant *Saccharomyces cerevisiae*. South African Society of Biochemistry and Molecular Biology (SASBMB) Twentieth Conference, Pietermaritzburg. (2-5 Jul)
- (153) Trollope, K.M., M. du Toit & M.A. Vivier. 2006. Genetic engineering of *Saccharomyces cerevisiae* to increase resveratrol levels in wine. Fourteenth Biennial Congress of the South African Society for Microbiology, Pretoria. (9-12 Apr)

2007

- (301) Bauer, F.F. 2007. Wine and Biotechnology – how biological science could transform a tradition-conscious industry. Bio2Biz Conference, Cape Town International Convention Centre. (17-19 Sep) **(By invitation – keynote speaker)**
- (302) Ramburan, V.P. 2007. SunBio: From academic research to spin out company. Bio2Biz Conference, Cape Town International Convention Centre. (17-19 Sep) **(By invitation – keynote speaker)**

2008

- (303) Barnard, D. 2008. Investigating the occurrence of horizontal gene transfer between yeast and other wine-associated microorganisms. Bio08 Conference, Grahamstown. (21-25 Jan) **(POSTER)**
- (304) Bauer, F.F. 2008. From yeast systems biology to wine biotechnology: Chemometrics and the making of wine. South African Chemometrics Symposium, Stellenbosch, South Africa. (1-5 Dec)
- (305) Bauer, F.F., D. Rossouw & T. Naes. 2008. Linking gene regulation and the exo-metabolome: A comparative transcriptomics approach to identify genes that impact on the production of volatile aroma compounds in yeast. Cape Biotechnology Forum, Lord Charles Hotel, Somerset West. (30 Nov – 2 Dec) **(By invitation – keynote speaker)**
- (306) Becker, J.v.W., P.R. Young & M.A. Vivier. 2008. The mevalonate- and terpenoid pathways are induced in response to *Botrytis cinerea* in both tobacco and grapevine. Bio08 Conference, Grahamstown. (21-25 Jan)
- (307) Bester, M.C., P. Govender & F.F. Bauer. 2008. Controlled expression of the dominant flocculation genes FLO1, FLO5 and FLO11 in *Saccharomyces cerevisiae*. Cape Biotechnology Forum, Lord Charles Hotel, Somerset West. (30 Nov – 2 Dec)
- (308) Bester, M.C. 2008. Signalling pathways regulating mannoprotein expression in the yeast *Saccharomyces cerevisiae*. Bio08 Conference, Grahamstown. (21-25 Jan)
- (309) De Beer, A. & M.A. Vivier. 2008. *Vitis vinifera* antimicrobial peptide 1 (Vv-AMP1) shows strong antifungal activity against a broad spectrum of fungal pathogens. Bio08 Conference, Grahamstown. (21-25 Jan)
- (310) De Klerk, D., J.J. Zietsman & P. van Rensburg. 2008. Co-expression of aroma-liberating enzymes in *Saccharomyces cerevisiae*. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov) **(POSTER)**
- (311) Du Preez, J., D. Stephan, C. Stander, M.A. Vivier, D.E. Goszczynski & J.T. Burger. 2008. The characterisation of grapevine virus A-based vectors for functional genomic studies in grapevine. 2008. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov) **(POSTER)**
- (312) Du Preez, J., D. Stephan, C. Stander, M.A. Vivier, D.E. Goszczynski & J.T. Burger. 2008. Towards the development of a functional genomics "toolkit" for grapevine. Cape Biotechnology Forum, Lord Charles Hotel, Somerset West. (30 Nov – 2 Dec)
- (313) Engelbrecht, L. & M. du Toit. 2008. Malolactic fermentation: The effect of different wine lactic acid bacteria and timing of inoculation. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov) **(POSTER)**
- (314) Franken, J., S. Kroppenstedt & F.F. Bauer. 2008. Carnitine and carnitine acetyltransferases in the yeast *Saccharomyces cerevisiae*: A role for carnitine in stress protection. Cape Biotechnology Forum, Lord Charles Hotel, Somerset West. (30 Nov – 2 Dec)
- (315) Freeborough, M.-J., S. Malan, C. Stander, M.A. Vivier & J.T. Burger. 2008. Molecular analysis of transgenic grapevine plants containing a virus resistance construct. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov)
- (316) Lambrechts, M.G., E. Lochner, L. Louw, M.P. Botes & A. Oberholster. 2008. Evaluation of grape parameters to determine optimal ripeness in Cabernet Sauvignon grapes. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov)
- (317) Lochner, E., H.H. Nieuwoudt & M.G. Lambrechts. 2008. The evaluation of Fourier Transform Infrared (FT-IR) spectroscopy for determining chemical constituents of fortified wines. South African Chemometrics Symposium, Stellenbosch, South Africa. (1-5 Dec)
- (318) Magerman, C. & H.H. Nieuwoudt. 2008. Evaluation of Fourier transform infrared spectroscopy for the determination of major chemical parameters in fermenting grape must. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov)

- (319) Magerman, C.M. & H.H. Nieuwoudt. 2008. Evaluation of Fourier transform infrared spectroscopy for the determination of major chemical parameters in fermenting grape must. South African Chemometrics Symposium, Stellenbosch, South Africa. (1-5 Dec)
- (320) Malherbe, S., A.G.J Tredoux, M. du Toit & H.H. Nieuwoudt. 2008. Evaluating the impact of different MLF starter cultures on wine aroma and flavour: a holistic/multivariate approach. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov) **(POSTER)**
- (321) Malherbe, S., A.G.J Tredoux, M. du Toit & H.H. Nieuwoudt. 2008. Evaluating the impact of different MLF starter cultures on wine aroma and flavour: a holistic/multivariate approach. South African Chemometrics Symposium, Stellenbosch, South Africa. (1-5 Dec) **(POSTER)**
- (322) Malherbe, S., A.G.J. Tredoux, M. du Toit & H.H. Nieuwoudt. 2008. Determination of MLF related carbonyl compounds with the use of headspace SPME GC-MS. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov) **(POSTER)**
- (323) Malherbe, S., K. Roux, A.G.J. Tredoux, M. du Toit & H.H. Nieuwoudt. 2008. Increasing sample throughput by analysing 17 major volatile compounds in wine with fast GC-FID. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov) **(POSTER)**
- (324) Mtshali, P.S., B.T. Divol & M. du Toit. 2008. Molecular screening of wine lactic acid bacteria enzymes using gene-specific primers. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov) **(POSTER)**
- (325) Nguema-Ona, E., J.P. Moore & M.A. Vivier. 2008. A method for analysing cell wall reinforcement in transgenic tobacco lines expressing *Vitis vinifera* polygalacturonase-inhibiting proteins (PGIPs). Cape Biotechnology Forum, Lord Charles Hotel, Somerset West. (30 Nov – 2 Dec) **(POSTER)**
- (326) Nieuwoudt, H.H. 2008. Infrared spectroscopy as platform analytical technology in wine biotechnology. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov)
- (327) Stander, C. & M.A. Vivier. 2008. Grape berry suspension cultures as potential tools to model ripening-related processes. Cape Biotechnology Forum, Lord Charles Hotel, Somerset West. (30 Nov – 2 Dec) **(POSTER)**
- (328) Styger, G. 2008. Elucidating the metabolic pathways responsible for higher alcohol production in *Saccharomyces cerevisiae*. Bio08 Conference, Grahamstown. (21-25 Jan) **(POSTER)**
- (329) Styger, G. & F.F. Bauer. 2008. Elucidating the metabolic pathways responsible for higher alcohol formation in *Saccharomyces cerevisiae*. Cape Biotechnology Forum, Lord Charles Hotel, Somerset West. (30 Nov – 2 Dec)
- (330) Tai, S.L. 2008. Identifying biotechnological strategies for generating low ethanol yielding wine yeast strains. Bio08 Conference, Grahamstown, South Africa. (21-25 Jan)
- (331) Tredoux, A.G.J., A.J. de Villiers, P. Májek, F. Lynen, A.M. Crouch & P. Sandra. 2008. Classification of South African wines according to cultivar based on their volatile composition. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov) **(POSTER)**
- (332) Van den Dool, A.H., S.G. Villas-Bôas & F.F. Bauer. 2008. Metabolomics on industrial wine yeasts. South African Chemometrics Symposium, Stellenbosch, South Africa. (1-5 Dec)
- (333) Van den Dool, A., S. Villas-Bôas & F.F. Bauer. 2008. Comparison of two wine yeast strains using metabolomics: A methodology focus. South African Chemometrics Symposium, Stellenbosch, South Africa. (1-5 Dec) **(POSTER)**
- (334) Van Wyk, H. & B.T. Divol. 2008. Recovery of endo-polygalacturonase activity in wine yeast strains and its effect on wine aroma. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov) **(POSTER)**
- (335) Vishist, J.K., B.T. Divol, B.A. Prior & F.F. Bauer. 2008. Modifying redox potential and its impact on metabolic fluxes in *Saccharomyces cerevisiae*. Cape Biotechnology Forum, Lord Charles Hotel, Somerset West. (30 Nov – 2 Dec)
- (336) Vivier, M.A. 2008. Understanding and manipulating grapevine stress responses. Cape Biotechnology Forum, Lord Charles Hotel, Somerset West. (30 Nov – 2 Dec) **(By invitation/Op uitnodiging – Keynote speaker)**
- (337) Vivier, M.A. 2008. Understanding and manipulating grapevine stress. South African Chemometrics Symposium, Stellenbosch, South Africa. (1-5 Dec)
- (338) Young, P.R., J.G. Lashbrooke & M.A. Vivier. 2008. Biotechnological potential of carotenoid biosynthetic genes isolated from *Vitis vinifera* L. Cape Biotechnology Forum, Lord Charles Hotel, Somerset West. (30 Nov – 2 Dec) **(POSTER)**
- (339) Young, P.R. 2008. Genes involved in the production of volatile defense compounds are strongly upregulated in grapevine and tobacco during *Botrytis* infection. Bio08 Conference, Grahamstown. (21-25 Jan) **(POSTER)**
- (340) Young, P.R., K.L. Taylor & M.A. Vivier. 2008. The carotenoid biosynthetic pathway of *Vitis vinifera*. Bio08 Conference, Grahamstown. (21-25 Jan)
- (341) Wilding, W.J.M., B. Mocke, F.F. Bauer & P. van Rensburg. 2008. The breeding and characterization of a novel interspecies wine yeast. Thirty First Conference of the South African Society for Enology and Viticulture, Somerset West. (11-14 Nov)