



Publications

Refereed journal articles

Beveridge CA, Morris SE (2007) Order of merit. *Nature* 448: 508.

Bonnett GD, Nowak E, Olivares-Villegas JJ, Berding N, Morgan T, Aitken K (2008) Identifying the risks of transgene escape from sugarcane crops to related species, with particular reference to *Saccharum spontaneum* in Australia. *Tropical Plant Biology* 1: 58-71.

Cooper R (2007) An investigation into constructivism within an outcomes based curriculum. *Issues in Educational Research* 17: 15-39.

Gnanasambandam A, Anderson DJ, Purnell MP, Nielsen LK, Brumbley SM (2008) The N-terminal presequence from F₁-ATPase β -subunit of *Nicotiana plumbaginifolia* efficiently targets green fluorescent fusion protein to the mitochondria in diverse commercial crops. *Functional Plant Biology* 35: 166-170.

Gnanasambandam A, Anderson DJ, Williams EM, Brumbley SM (2008) The six amino acid C-terminal sequence from spinach glycolate oxidase effectively targets green fluorescent fusion protein to the peroxisomes in diverse commercial crops. *Plant and Cell Physiology* (submitted).

Grof CPL, Albertson PL, Bursle J, Perroux JM, Bonnett GD, Manners JM (2007) Sucrose-phosphate synthase, a biochemical marker of high sucrose accumulation in sugarcane. *Crop Science* 47(4): 1530-1539.

Jackson MA, Rae AL, Casu RE, Grof CPL, Bonnett GD, Maclean DJ (2007) A bioinformatic approach to the identification of a conserved domain in a sugarcane legumain that directs GFP to the lytic vacuole. *Functional Plant Biology* 34(7): 633-644.

Renouf MA, Wegener MK, Nielsen LK (2008) An environmental life cycle assessment comparing Australian sugarcane with US corn and UK sugar beet as producers of sugars for fermentation. *Biomass and Bioenergy*, in press.

Robinson N, Fletcher A, Whan A, Critchley C, von Wirén N, Lakshmanan P, Schmidt S (2007) Sugarcane genotypes differ in internal nitrogen use efficiency. *Functional Plant Biology* 34: 1122-1129.

Sivitz AB, Reinders A, Johnson ME, Krentz AD, Grof CPL, Perroux JM, Ward JM (2007) Arabidopsis sucrose transporter AtSUC9. High-affinity transport activity, intragenic control of expression, and early flowering mutant phenotype. *Plant Physiology* 143(1): 188-198.

Wang L-P, Jackson PA, Fan Y-H, Foreman J, Chen X-K, Deng H-H, Cheng F, Li M, Liu XL, Aitken KS (2008). Evaluation of sugarcane x *S. spontaneum* progeny for biomass composition and yield components. *Crop Science* 48: 951-961.

Publications Continued

Book chapters

Chen W, Marcellin E, Nielsen LK (2008) *Microbial hyaluronic acid biosynthesis: In Microbial Production of Biopolymers and Polymer Precursors*. Rehm B (Ed.), (in press). Horizon Press, Norwich, UK.

Flessner R, Zeichner K, Eggington K (2007) Tying it all together: implications for classrooms, schools, and districts. In *Creating Equitable Classrooms Through Action Research*. Caro-Bruce C, Flessner R, Klehr M & Zeichner K (Eds), pp. 277-296. Sage Publications, Inc., Thousand Oaks, CA, USA.

Refereed conference papers

Baker P, Aitken KS, George A, Jackson PA (2007) Estimating marker dosage and allowing for spatial variability in mapping sugarcane QTL. 3rd International Conference on Quantitative Genetics, 18-24 August, Hangzhou, China.

Bonnett GD, Berding N, Morgan T, Fitzgerald P (2007) Implementation of genetically modified sugarcane – the need for a better understanding of sexual reproduction. *Proceedings of the Australian Society of Sugar Cane Technologists* 29: 258-266.

Morris SE (2008) Authorship dilemmas for Research Higher Degree students. *Refereed Proceedings of the 2008 Quality in Postgraduate Research Conference*, 17-18 April, pp. 43-53.

Joyce P, Brumbley J, Wang LF, Lakshmanan P (2008) Tissue culture and biolistic transformation of new smut resistant varieties. *Proceedings of the Australian Society of Sugar Cane Technologists* 30: 135-144.

Robinson N, Fletcher A, Whan A, McGrath K, Vinall K, Brackin R, Schenk PM, Lakshmanan P, Schmidt S (2008) Sustainable sugarcane production systems: reducing plant nitrogen demand. *Proceedings of the Australian Society of Sugar Cane Technologists* 30: 212-219.

Romanach LM, Grice J, Wegener MK, Morris SE (2007) Public attitudes towards genetically modified crops and food: insights from an Australian survey. XLV Congresso da Sociedade Brasileira de Economia e Sociologia Rural, 22-25 July, Londrina, Brazil.

Romanach LM, Grice J, Wegener MK, Morris SE (2007) Understanding the concern about GM crops within the Australian population and among sugarcane growers. *Proceedings of the International Society of Sugar Cane Technologists* 26: 919-925.

Publications for industry – non-refereed articles, posters, presentations, conference papers and journal articles

Arifin Y, Hung J, Vickers C, Nielsen LK (2008) Identification of a sucrose metabolising *Escherichia coli*. *Proceedings of the Australian Society of Sugar Cane Technologists* 30: 596.

Brackin RTS, Lakshmanan P, Robinson N, Schmidt S (2008) A new nitrogen source from crop residues: sugarcane uses organic nitrogen for growth. *Proceedings of the Australian Society of Sugar Cane Technologists* 30: 591.

Brumbley SM, Petrasovits LA, Zhou L, McQualter RA, Nielsen LK (2008) Sugarcane: an industrial crop for the production of polyhydroxyalkanoates. The Fifth Annual World Congress on Industrial Biotechnology and Bioprocessing, 27-30 April, Chicago, Illinois.

Brumbley SM (2008) The bioeconomy progress and opportunities. Topics in Plant Science seminar series, 26 February, Brisbane, Australia.

Cooper R (2007) An investigation into constructivism within an outcomes based curriculum. Australasian Science Education Research Association (ASERA), 12 July, Fremantle, WA.

Hilton A (2007) Diversity: challenges and celebrations. Paper presented at The University of Queensland Education School Pre-service Teacher Conference, Brisbane, Australia.

Hilton A, Granrose M (2007) From water to wine: teaching chemistry through contexts. Workshop presented at the Science Teachers' Association of Queensland Senior Sciences Workshop, Brisbane, November.

Publications Continued

Hilton AI, Nichols, K, Gitsaki, C (2007) Examining the use of digital technologies to enhance student learning outcomes through writing-to-learn approaches in chemistry. The University of Queensland School of Education Postgraduate Student Conference, 22 September, Brisbane, Queensland, Australia.

Joyce P, Kuwahata M, O'Connell A, Geijskes J, Turner N, Lakshmanan P (2008) Comparison of *Agrobacterium*-mediated and biolistic methods for transformation of sugarcane. International Society of Sugar Cane Technologists Workshop, June 2008, Columbia.

Kanasa H (2007) Evaluating the understanding of biotechnology in Queensland middle school students and their parents. The University of Queensland School of Education Postgraduate Student Conference, 22 September, Brisbane, Queensland, Australia.

Morris SE (2008) Education and training workshops. CRC Association Conference, 21-23 May 2008, Sydney, Australia.

Morris SE (2008) Negotiating authorship. Deans & Directors of Graduate Studies Meeting, 16 April 2008, Adelaide, Australia.

Morris SE (2008) Roles and responsibilities of research centre postgraduate facilitators. 2008 Quality in Postgraduate Research Conference, 17-18 April, Adelaide, Australia.

Morris SE (2008) The "U" and "I" of publishing: a road map for successful research collaborations. Graduate Student Week, The University of Queensland, 3 April, Brisbane, Australia.

Morris SE, Beveridge CA, Manathunga C (2007) Authorship and Research Higher Degree training: empowering students. Higher Education Research and Development Society of Australasia (HERDSA) Conference, 8-11 July, Adelaide, Australia.

Morris SE, Pitt R, Manathunga C (2008) Exploring industry supervision from a student's perspective. 2008 Quality in Postgraduate Research Conference, 17-18 April, Adelaide, Australia.

Morris SE, Yeo G, Frederiks E, Manathunga C (2007) Industry supervision: research higher degree students' experiences and perspectives. Higher Education Research and Development Society of Australasia (HERDSA) Conference, 8-11 July, Adelaide, Australia.

Olivares-Villegas JJ, Powell RP, Berding N, Bonnett GD (2008) Regional differences in the sexual reproductive biology of *Saccharum*. *Proceedings of the Australian Society of Sugar Cane Technologists* 30: 589.

Fitzgerald P, Bonnett G (2007) Research strategies for future farming systems: GM sugarcane. *Sugar Research and Development Corporation Technical Report* 1/2007.

Payn DN, Deseo MA, Thompson DR, Morris CA, Leach DL (2007) Optimisation of a fluorimetric assay for the screening of potential α -glucosidase inhibitors in coloured plant and food extracts. Society for Medicinal Plant Research Conference 2-6 September, Graz, Austria.

Payn DN, Taylor RP, Deseo MA, O'Shea MG, Masel NP, Leach DL (2008) Sugarcane molasses – a potential source of anti-diabetic compounds. *Proceedings of the Australian Society of Sugar Cane Technologists* 30: 599.

Pioch KA, Grof CPL, Rae AL, Critchley C (2008) Sugar transporters involved in sucrose accumulation. *Proceedings of the Australian Society of Sugar Cane Technologists* 30: 597.

Powell R, Olivares-Villegas JJ, Berding N, Schmidt S, Bonnett G (2008) The effect of temperature on germination of *Saccharum* seed. *Proceedings of the Australian Society of Sugar Cane Technologists* 30: 588.

Rae AL (2007) Storing sugar: sucrose transport and accumulation in sugarcane. School of Molecular and Microbial Sciences, University of Queensland. 24 October, Brisbane, Australia.

Publications Continued

Rae AL (2008) Where is lignin located in sugarcane? *Proceedings of the Australian Society of Sugar Cane Technologists* 30: 595.

Renouf MA (2007) Life cycle assessment (LCA) of diversified crop systems for bioproducts. Bioenergy Australia Conference, 26-27 November, Gold Coast, Australia.

Robinson N, Fletcher A, Whan A, McGrath K, Vinall K, Brackin R, Allen D, Dalal R, Rennenberg H, Kingston G, Schenk PM, Lakshmanan P, Schmidt S (2007) An integrated approach to reducing N inputs in Australian sugarcane farming systems. Nitrogen 4th Conference, 1-5 October, Costa do Sauipe, Bahia, Brazil.

Robinson N, Whan A, Fletcher A, Vinall K, Brackin R, Lakshmanan P, Schmidt S (2008) An integrated approach to reducing N inputs in Australian sugarcane farming systems. *Proceedings of the Australian Society of Sugar Cane Technologists* 30: 374.

Whan AP, Robinson N, Aitken KS, Lakshmanan P, Schmidt S (2008) Understanding nitrogen use efficiency in sugarcane: a quantitative genetic approach. *Proceedings of the Australian Society of Sugar Cane Technologists* 30: 594.

