



Plant Sciences

Conference contributions 2009

Agenbag, G.M., Boyd, L., Pretorius, Z.A. & Prins, R. 2009. Fine mapping of durable resistance to stripe rust in the South African wheat cultivar, Kariega, using an expressed sequence tag (EST) marker strategy. 46th Congress of the Southern African Society for Plant Pathology, Gordon's Bay, South Africa, 25-28 January. (presentation)

Bender, C.M. & Pretorius, Z.A. 2009. Greenhouse assessment of adult plant resistance to wheat stem rust. 46th Congress of the Southern African Society for Plant Pathology, Gordon's Bay, South Africa, 25-28 January. (presentation)

Botha, C.F., du Preez, P.J. & Scholtz, N. 2009. Phyto-indicator species on uranium-ore bodies in the "Karoo Uranium Province", Beaufort-West district, South Africa. The Geological Society of Namibia's Uranium conference, Swakopmund, Namibia. (Poster)

Botha, C., McLaren, N.W., & Swart, W.J. 2009. Epidemiology of Sclerotinia stem rot in South Africa. 46th Congress of the Southern African Society for Plant Pathology and 6th Congress of the African Mycological Association (AMA), Gordon's Bay, South Africa, 25-28 January. (presentation)

Collins, N.B., du Preez, P.J., Mucina, L. & le Roux, P.A.L. 2009. Classification of the valley bottom and depression wetlands of the Free State Province at the plant community level. Wetlands Indaba, Langebaan, South Africa. (presentation).



Cordova, C.E. & Scott, L. 2009. Phytolith morphotypes in Poaceae, Restionaceae, and Cyperaceae: a research protocol for determining rainfall seasonality and growing season temperatures in Southern Africa. SASQUA Congress. Knysna, 6-10 September. (presentation)

du Preez, P.J. & Fourie, H. 2009. Floristic classification of Florisbad wetland, Free State Province. Wetlands Indaba, Langebaan, South Africa. (poster) **du Preez, P.J.** 2009. Macrophyte diversity in unique rock pool systems on inselbergs in the Eastern Free State. Wetlands Indaba, Langebaan, South Africa. (presentation)

du Preez, P.J. 2009. Workshop on the Environmental water requirements in nonperennial systems. Phase 3, Mokolo, Swart-Doorn and Touws Rivers. (contribution in workshop)

Fernández-Jalvo, Y., Scott, L., Carrión, J.S., Gil Romera, G., Brink, J.S., Neumann, F., & Rossouw, L. 2009. Pollen Taphonomy of hyaena coprolites: an experimental approach. Scientific meeting on hyena dens (and other carnivores) in archaeological sites of the Iberian Peninsula (Reunión de científicos sobre cubiles de hyena (y otros grandes carnívoros) en los yacimientos arqueológicos de la Península Ibérica), Museo Arqueológico Regional de la Comunidad de Madrid 21-23 January. (presentation).

Fetch, T., Jin, Y., Park, R.F. & Pretorius, Z.A. 2009. Race nomenclature systems: can we all speak the same language? BGRI Technical Workshop, Ciudad Obregon, Mexico, 17-20 March (invited talk).



Grobbelaar, J.U. 2009. Toxin production by *Microcystis*: What is new? SASAQS Congress, Magaliesberg, June. (presentation)

Grobbelaar, J.U. & Smith V.R. 2009. Influence of climate change on the freshwaters of Marion Island. Invited plenary lecture, SASAQS, Magaliesberg, June. (presentation)

Grobbelaar, J.U. 2009. Climate change and potential health risks. Department of Pediatrics, Faculty of Health Sciences, UFS, Bloemfontein, May. (presentation)

Grobbelaar, J.U. 2009. Open pond systems for algal biotechnology. Workshop on biofuels from algae. Phoenix, Arizona, USA, August. (presentation)

Joubert, L. & Verhoeven, R.L. 2009. Leaf micromorphology and anatomy of *Cryptolepis* (Apocynaceae, Periplocoideae) in southern Africa. Conference of the South African Association of Botanists, Stellenbosch University. (presentation) **Kriel,**

W.M., Koen, E. & Pretorius, Z.A. 2009. DON levels in grain from wheat cultivar trials. 46th Congress of the Southern African Society for Plant Pathology, Gordon's Bay, South Africa, 25-28 January. (presentation)

Labuschagne, M.T. & van Biljon, A. 2009. Amount and distribution of polymeric and monomeric proteins in a doubled haploid wheat population and its relation to some quality characteristics. Xth International Gluten Workshop, Clermont Ferrand, France, 7-9 September (presentation).



Marais, G.F., Marais, A., Eksteen, A. & Pretorius, Z.A. 2009. Shortening the *Lr62/Yr42* translocation in common wheat. BGRI Technical Workshop, Ciudad Obregon, Mexico, 17-20 March (poster).

McLaren, N.W. 2009 An analysis of soybean rust disease progress curves and their relationship with yield and quality losses. 46th Congress of the Southern African Society for Plant Pathology, Gordon's Bay, South Africa, 25-28 January. (presentation)

Minnaar-Ontong, A., Herselman, L., Kriel, W.M. & Leslie, J.F. 2009. Population dynamics of *Fusarium* head blight isolates in South Africa. 46th congress of Southern African Society for Plant Pathology, Gordon's Bay, South Africa, 25-28 January (presentation)

Muedi, H.T.H., Fourie, D. & McLaren, N.W. 2009. Susceptibility of South African dry bean cultivars and selected germplasm lines to bacterial brown spot. 46th congress of Southern African Society for Plant Pathology, Gordon's Bay, South Africa, 25-28 January. (presentation)

Muedi, H.T.H., Fourie, D. & McLaren, N.W. 2009. Reaction of common bean cultivars and lines to bacterial brown spot in South Africa. 2009. BIC/NAPIA 20th biennial meeting, Fort Collins, Colorado, October 25-30, 2009. (presentation)

Mutegi, E., Sagnard, F., Labuschagne, M.T. & Herselman, L. 2009. Assessing the genetic structure and crop-wild gene flow in the *Sorghum bicolor* gene pools of Kenya using microsatellites. A presentation made at the ILRI Graduate Fellow Forum 2009. ILRI, Nairobi, 5-6 March. (presentation)



Mutegi, E., Sagnard, F., Labuschagne, M.T. & Herselman, L. 2009. Crop-to-wild gene flow: Environmental risk assessment and implications for the release of GM sorghum in Kenya. Poster presented at the BecA - ILRI Hub and Syngenta Foundation for Sustainable Agriculture Partnership Conference: *From technology to product development for the African farmer*. BecA - ILRI Hub, Nairobi, 29 April. (presentation)

Neumann, F., Scott, L. & Bamford, M. 2009. Pollen analysis of Holocene sediments from the lake in Princess Vlei, Western Cape, South Africa. SASQUA Congress. Knysna, 6-10 September. (presentation)

Neumann, F., Scott, L., Stager, C., & Smith, M. 2009. Holocene vegetation history at Lake Sibaya and Lake Teza. 5th Humboldt Conference, Cape Town, 12-16 January. (presentation)

Norström, E., Scott, L., Finné, M., Risberg, J., Partridge, T.C. & K Holmgren, K. 2009. Climate and vegetation changes at Braamhoek wetland, South Africa. SASQUA Congress. Knysna, 6-10 September. (presentation)

Park, R.F., Fetch, T., Jin, Y., Prashar, M. & Pretorius, Z.A. 2009. Using race survey outputs to protect wheat from rust. BGRI Technical Workshop, Ciudad Obregon, Mexico, 17-20 March (invited talk).

Pretorius, Z.A. 2009. Stem rust race analysis. CIMMYT training workshop, Njoro, Kenya, 28 September. (presentation)

Pretorius, Z.A. 2009. Stripe rust resistance breeding and research in South Africa. International stripe rust workshop, Yangling, China, 24-27 November (invited talk).



Pretorius, Z.A. & Nazari, K. 2009. Global stem rust surveillance in practice. BGRI Technical Workshop, Ciudad Obregon, Mexico, 17-20 March (invited talk).

Prins, R., Lehmensiek, A., Pretorius, Z.A. & Bender, C.M. 2009. QTL analysis: an efficient tool for unravelling complex disease resistance in plants. 46th Congress of the Southern African Society for Plant Pathology, Gordon's Bay, South Africa, 25-28 January. (presentation)

Scott, L. 2009. Palynological indications of environmental change in Southern Africa during the late Tertiary and Quaternary. ROCEEH workshop (The Role of Culture in Early Expansions of Humans). Iziko Museum, Cape Town, 23-24 February. (presentation)

Scott, L. 2009. Plant microfossil research (palynology) at the UFS. Palaeontology Consultation, Department of Science and Technology. Emperor's Palace Gauteng, 9 October. (presentation)

Scott, L. & Rossouw, L. 2009. Plant microfossil research in Southern Africa. First annual workshop. University of the Free State and the National Museum. Oliewenhuis, Bloemfontein, 7 August. (presentation)

Scott, L., Brook, G.A., Gil-Romera, G., Rossouw, L., Norström, E. & Marais, E. 2009. Some long pollen sequences from South Africa. SASQUA Congress. Knysna, 6-10 September. (presentation)

Scott, L., Brook, G.A. & Rossouw, L. Wonderwerk Cave palynology. Wonderwerk Cave Workshop, Kuruman, 20-21 June. (presentation)



Swart, W.J. 2009 Evolutionary Perspectives of Crop Production. Darwin Bicentenary Celebrations, Lecture series #8: Plant evolution: Species, systems and agriculture. University of the Free State, Bloemfontein Campus, 4 June. (presentation)

Swart, W.J. 2009. Evolutionary Perspectives of Crop Production. University of the 3rd Age (U3A) lecture. (presentation)

Swart, W.J. 2009. Soil health: the very foundation for a thriving garden. Free State Organic Club, Sharon Walker School of Gardening, Langenhovenpark. 28 March. (presentation)

Swart, W.J. 2009. Soil Quality: A South African Perspective. CIIFAD Forum Presentation, Cornell International Institute for Food, Agriculture and Development, Ithaca, New York, USA. 6 April (invited talk).

Sydenham, S.L., Herselman, L., Prins, R. & Pretorius, Z.A. 2009. Pyramiding leaf, stem and stripe rust resistance genes/QTL into a single wheat genotype. 46th congress of Southern African Society for Plant Pathology, Gordon's Bay, South Africa, 25-28 January. (presentation)

Terblanche, J.D., Swart, W.J. & Thompson, G.J. 2009. Marigolds as biological control agent of bacterial wilt caused by *Ralstonia solanacearum* in soils used for tobacco production. 46th Congress of the Southern African Society for Plant Pathology and 6th Congress of the African Mycological Association (AMA), Gordon's Bay, South Africa, 25-28 January. (presentation)



Terblanche, J.D., Swart, W.J. & Thompson, G.J. 2009. Evaluation of crops for rhizosphere suppression of *Ralstonia solanacearum*. 46th Congress of the Southern African Society for Plant Pathology and 6th Congress of the African Mycological Association (AMA), Gordon's Bay, South Africa, 25-28 January. (presentation) **Van**

Biljon, A. & Labuschagne, M.T. 2009. Relationship between high- and low molecular weight glutenin subunits and quality in a doubled haploid population of bread wheat. Xth International Gluten Workshop, Clermont Ferrand, France, 7-9 September (poster presentation).

Van Tonder, G. & Swart, W.J. 2009. Healthy Soil: The foundation for organic gardening. Central Gardening Club, Ilanga Estate, Bloemfontein, 15 April. (presentation)

Van Tonder, G. & Swart, W.J. 2009. Healthy Soil: The foundation for organic gardening. Smithfield Gardening Club, Smithfield, 12 May. (presentation)