

ADELE MCLEOD

CURRICULUM VITAE

Department of Plant Pathology
Stellenbosch University
Private Bag X1
Matieland
7602
South Africa

Phone: +27 (0) 21 808 4795
Fax: +27 (0) 21 808 4956
e-mail: adelem@sun.ac.za

Birth date: July 1971, Pretoria, South Africa

EDUCATION

University of Pretoria	B.Sc. (Agric) Plant Pathology (cum laude) 1993
University of Pretoria	B.Sc. (Agric) Hons. Plant Pathology (cum laude) 1994
University of Stellenbosch	B.Sc. (Agric) MSc. (cum laude) 1998
Cornell University (USA)	Ph.D. (Agric) Plant Pathology 2003

MSc (Agric) Thesis – Characterization of *Phytophthora infestans* populations in South Africa.
PhD (Agric) dissertation – Characterization of 1,3- β -glucanase genes in *Phytophthora infestans*.

POSITIONS HELD

February 2012 – present	Senior Lecturer, Dept. of Plant Pathology, Stellenbosch University
March 2010 – February 2013	Research Associate, Bertie van Zyl (Bpk) Edms. (80%) and Senior Lecturer, Dept. of Plant Pathology, Stellenbosch University (20%)
May 2004 – April 2010	Senior Lecturer, Dept. of Plant Pathology, Stellenbosch University
July 2003 – April 2004	Postdoctoral Research Associate, Botany Department, Pretoria University, Advisor: Dr. D.K. Berger
Jan. 2003– June 2003	Postdoctoral Research Associate, Dept. of Plant Pathology, Cornell University, Advisor: Dr. W.E. Fry
1997-1999	Researcher, Agricultural Research Council (ARC)-Roodeplaat Vegetable and Ornamental Plant Institute, Elsenburgh, Western Cape, South Africa
1995-1997	Technician, Agricultural Research Council (ARC)-Roodeplaat Vegetable and Ornamental Plant Institute, Pretoria, South Africa

PROFESSIONAL EXPERIENCE

Teaching

Curriculum revision (2004-2006)

Plant Pathology 424 (Ecology and Biology of Plant Associated Microorganisms)
Plant Pathology 414 (Systematics and biology of plant pathogenic fungi and fungal-like eukaryotes)
Plant Pathology 454 (Plant pathogenic prokaryotes and viruses)
Plant Pathology 773 (Advanced Molecular Plant Pathology)

Curriculum revision (2013)

Plant Pathology 444 (Plant-Microbe Interactions)

Teaching: undergraduate level (2004 to 2009)

Plant Pathology 424 (Ecology and Biology of plant associated microbes)

Plant Pathology 454 (Plant pathogenic prokaryotes and viruses) – one third of lectures

Teaching post graduate level (2004 to 2009)

Plant Pathology 773 (Advanced Molecular Plant Pathology)

Teaching: undergraduate level (2013 to 2014)

Plant Pathology 444 (Plant-Microbe interactions)

Plant Pathology 478 (Advanced Plant Pathology)

RESEARCH FOCUS AREAS

1. Characterization and population biology of oomycete plant pathogens (*Phytophthora* spp., *Pythium* spp., *Plasmopara viticola*).
2. Developing sustainable disease management practices for soilborne plant pathogens.

AWARDS

- 1993 Best Academic Achiever in the Faculty of Agricultural Science, University of Pretoria
1993 H B Davel-Medal for the student that completed the B.Sc. (Agric) degree with most success, University of Pretoria
1993 Agrihold-Trophy for the best final year student in Plant Pathology 1993, University of Pretoria
1993 Citrus Exchange-Trophy for the best final year student in the subjects of Plant Pathology and Microbiology, University of Pretoria
1992 Best Academic achiever in the Faculty of Agricultural Science, University of Pretoria
2007 DFPT research award for the researcher that was best at providing regular feedback regarding projects, being on time with reports and always being available for technology transfer efforts
2009 National Research Foundation C-1 rating
2010 Rectors Award for Research, Stellenbosch University

REFEREE FOR EXTERNAL ORGANIZATIONS

Associate editor

Plant Disease

Reviewer for scientific journals

European Journal of Plant Pathology

Australasian Journal of experimental agriculture

Journal of Phytopathology

Journal of Applied Microbiology

South African Journal of Enology and Viticulture

Fungal Genetics and Biology

Reviewer of theses

University of Pretoria, South Africa

University of Stellenbosch, South Africa

INTERNATIONAL COLLABORATORS

1. Dr. C.C. Linde (School of Botany and Zoology, Australian National University, Canberra, Australia); Population genetics of *Plasmopara viticola* and *Phytophthora* species in South Africa.
2. Dr. M. Mazzola (Research Plant Pathologist, USDA-ARS, Wenatchee, WA, USA); The role of *Pythium* and *Phytophthora* in the decline of grapevines as well as the etiology of apple replant disease in South Africa.
3. Dr. W.E. Fry (Department of Plant Pathology, Cornell University, Ithaca, NY, USA); Stable transformation of *Phytophthora* species, the population biology of *Phytophthora infestans* in Sub-Saharan Africa and the use of molecular markers for studying *Phytophthora capsici* populations.
4. Dr. S. Denman (Forest Research, Surrey, UK); Characterization of *Phytophthora* isolates from buchu and *P. cinnamomi* from proteaceae.
5. Prof. L.J. du Toit (Washington State University, Mount Vernon, WA, USA) – Iris yellow spot virus on onion seed crops.

NATIONAL COLLABORATORS

1. Dr. W.J. Botha (Agricultural Research Council, Plant Protection Research Institute, Pretoria); Morphological identification of *Pythium* and *Phytophthora* species in South Africa.
2. C.M. Lubbe (Agricultural research Council, Fynbos Unit, Elsenburg); Characterization of *Phytophthora* species on indigenous plant species in South Africa.
3. M.C. Pretorius (Citrus research international, South Africa); collaboration on the characterization of *Phytophthora* species associated with citrus.
5. A. Thompson (Agricultural research Council, ARC-Rooedeplaats Vegetable and Ornamental Plant Institute); Population structure of *Phytophthora infestans* and *P. capsici* in Africa.
6. Dr. S.C. Lamprecht (ARC Plant Protection Research Institute); Characterization of *Phytophthora* and *Pythium* species on lupines and Rooibos tea respectively.

MEMBERSHIP OF SCIENTIFIC SOCIETIES

1. The Southern African Society for Plant Pathology, council member (secretary) 2006-2010
2. American Phytopathological Society

TRAINING OF STUDENTS FOR POST GRADUATE STUDIES

Supervisor: Doctoral dissertations completed

1. Southwood, M. PhD (Agric) Plant Pathology. 2010
Evolution and detection of *Fusarium oxysporum* f.sp. *cepae* in onions in South Africa.
2. Spies, C.F.J. PhD (Agric) Plant Pathology. 2010
Characterisation and detection of *Pythium* and *Phytophthora* species associated with grapevines in South Africa.
3. Tewoldemedhin, Y.T. PhD (Agric) Plant Pathology. 2010.
Elucidating the etiology of apple replant disease in South Africa using a multiphasic approach.
4. Gouws, R. PhD (Agric) Plant Pathology. 2013.
Ecology and characterization of *Streptomyces* species associated with common scab in disease conducive and biofumigated soils in South Africa.

Supervisor: Masters theses completed

1. Koopman, T. MSc (Agric) Plant Pathology. 2007. Characterization of *Plasmopara viticola* populations in South Africa.

2. McLean, T. MSc (Agric) Plant Pathology. 2007. Reporter gene transformation of two grapevine trunk disease pathogens and a potential biocontrol agent.
3. Van der Walt, L. MSc (Agric) Plant Pathology. 2009. Characterization of mites and *Penicillium* species associated with apple core rot diseases.
4. Pule, B.B. MSc Plant Pathology. 2010. Population structure of *Phytophthora infestans* in selected central, eastern and southern African countries.
5. Bahramisharif A. MSc (Agric) Plant Pathology. 2012. *Pythium* species associated with Rooibos, and the influence of management practices on *Pythium* species composition.

Co-Supervisor: Masters theses completed

1. Tefoldemedhin, Y.T. MSc (Agric) Plant Pathology. 2004-2005
Characterisation of *Rhizoctonia* in cropping systems in the Western Cape Province.
2. Retief, E. MSc (Agric) Plant Pathology. 2004-2005
Molecular detection of *Phaemoniella chlamydospora* in grapevine nurseries.
3. Small, I. MSc (Agric) Plant Pathology. 2010.

Post doctoral fellows:

1. Dr. J.C. Meitz. Post doctoral fellow from June 2007 – December 2009. Characterization and population biology of *Phytophthora* plant pathogens.

Supervisor: Doctoral dissertations in progress

1. Carstens, E. PhD (Agric) Plant Pathology 2011 to present
Global population structure, reproductive biology and taxonomy of the citrus black spot pathogen, *Guignardia citricarpa*.
2. Retief, E. PhD (Agric) Plant Pathology 2014 to present. Verticillium wilt of tomatoes in South Africa, its etiology, quantification and management.
3. Nyoni, M. PhD (Agric) Plant Pathology 2014 to present. Management of oomycete apple replant pathogens

Supervisor: Masters theses in progress

1. Ma, J. MSc Plant Pathology. 2013 to present. Determining the critical root phosphite concentration for suppression of *Phytophthora cinnamomi* on avocado roots.
2. Moein, S. MSc (Agric) Plant Pathology. 2013 to present. Inoculum sources of apple replant disease in South Africa.
3. Rossouw, C.J. 2013 to present. Optimizing apple scab control through effective spray deposition.

SABBATICAL VISITORS

1. November 2007 to May 2008 - Prof. W.E. Fry (Cornell University, Ithaca, NY), transformation of *Phytophthora capsici* and isolation of double strand RNA viruses from *Phytophthora*.
2. November 2010 to March 2011 – Prof. L.J. Du Toit (Washington State University, Mount Vernon, WA), characterization of Iris Yellow Spot Virus from onions.

SABBATICAL VISITS

1. June 2009 to August 2009 - Prof. W.E. Fry (Cornell University, Ithaca, NY), characterization of *Phytophthora infestans* populations.

REFEREED PUBLICATIONS

1. Spies, C.F.J., Meitz-Hopkins, J.C., Langenhoven, S.D., Pretorius, M.C. and McLeod, A. (2014). Two clonal lineages of *Phytophthora citrophthora* from citrus in South Africa represent a single phylogenetic species. *Mycologia* (in press)
2. Abad, Z.G., Abad, J.A., cacciola, S.O., Pane, A., Faedda, R., Moralejo, E., Perez-Sierra, A., Abad-Campos, P., Alvarez-Bernaola, L.A., Bakonyi, J., Jozsa, A., Herrero, M.L., Burgess, T.I., Cunnington, J., Smith, I.W., Balci, Y., Blomquist, C., Henricot, B., denton, G., Spies, C., McLeod, A., Belbahri, L., Cooke, D., Kageyama, K., Uematsu, S., Kurberli, I. and Degirmenci, K. (2014). *Phytophthora niederhauserii* sp. nov., a polyphagous species associated with ornamentals, fruit trees and native plants in 13 countries. *Mycologia* DOI:10.3852/12-119.
3. Meitz-Hopkins, J.C., Pretorius, M.C., Spies, C.F.J., Huisman, L., Botha, W.J., Langenhoven, S.D. and McLeod, A. (2014). *Phytophthora* species distribution in South African citrus production regions. *European Journal of Plant Pathology* 138: 733-749.
4. Bahramisharif, A., Lamprecht, S.C., Spies, C.F.J., Botha, W.J., Calitz, F.J. and McLeod, A. (2014) *Pythium* species associated with rooibos seedlings, and their pathogenicity towards rooibos, lupine and oat. *Plant Disease* 98:223-232.
5. Bahramisharif, A., Lamprecht, S.C., Calitz, F.J. and McLeod, A. (2013) Suppression of Pythium- and Phytophthora damping-off by compost and a combination of compost and non-pathogenic *Pythium* taxa. *Plant Disease* 97: 1605-1610.
6. Dunn, A.R., Fry, B.A., Lee, T.Y., Conley, K.D., Balaji, V., Fry, W.E., McLeod, A. and Smart, C.D. (2013) Transformation of *Phytophthora capsici* with genes for green and red fluorescent protein for use in visualizing plant-pathogen interactions. *Australasian Plant Pathology* 42: 583-593.
7. Bahramisharif, A., Lamprecht, S.C., Spies, C.F.J., Botha, W.J. and McLeod, A. (2013) *Pythium cederbergense* sp. nov. and related taxa from *Pythium* clade G associated with the South African indigenous plant *Aspalathus linearis* (rooibos). *Mycologia* 105: 1174-1189.
8. Fry, W.E., McGrath, M.T., Seaman, A., Zitter, T.A., McLeod, A., Danies, G., Small, I.M., Myers, K., Everts, K., Gevens, A.J., Gugino, B.K., Johnson, S.B., Judelson, H., Ristaino, J., Roberts, P., Secor, G., Seibold, K., Snover-Clift, K., Wyenandt, A., Grünwald, N.J. and Smart, C.D. (2013) The 2009 late blight pandemic in the Eastern United States – causes and results . *Plant Disease* 97: 296-306.
9. Pule, B.B., Meitz, J.C., Thompson, A.H., Linde, C.C., Fry, W.E., Langenhoven, S.D., Meyers, K.L., Kandolo, D.S., Van Rij, N.C and McLeod, A. (2013) *Phytophthora infestans* populations in central, eastern and southern African countries consist of two major clonal lineages. *Plant Pathology* 62: 154-165.
10. Hu, C-H., Perez, F.G., Donahoo, R., McLeod, A., Meyers, K., Ivors, K., Secor, G., Roberts, P.D., Deahl, K.L., Fry, W.E. and Ristaino, J.B. (2012) Recent genotypes of *Phytophthora infestans* in the eastern United States reveal clonal populations and reappearance of mefenoxam sensitivity. *Plant Disease* 96: 1323-1330.
11. Small, I.M., Flett, B.C., Marasas, W.F.O., McLeod, A., and Viljoen, A. (2012). Use of resistance elicitors to reduce Fusarium ear rot and fumonisin accumulation in maize. *Crop Protection* 41: 10-16.
12. Small, I. M., Flett, B.C., Marasas, W.F.O., McLeod, A., Stander, M.A. and Viljoen, A. (2012) Resistance in maize inbred lines to *Fusarium verticillioides* and fumonisin accumulation in South Africa. *Plant Disease* 96: 881-888.
13. Gouws, R. and McLeod, A. (2012). Fissure scab, a new symptom associated with potato common scab caused by a *Streptomyces* sp. in South Africa. *Plant Disease* 96: 1223-1223.
14. Southwood, M., Viljoen, A., Mostert, L., Rose, L. and McLeod, A. (2012) Phylogenetic and biological characterization of *Fusarium oxysporum* isolates associated with onion in South Africa. *Plant Disease* 96: 1250-1261.
15. Southwood, M.J., Viljoen, A., Mostert, G. and McLeod, A. (2012). Molecular identification of two vegetative compatibility groups of *Fusarium oxysporum* f. sp. *cepae* . *Phytopathology* 102: 204-213.

16. Spies, C.F.J., Mazzola, M. and McLeod, A. (2011). Molecular analyses of *Pythium irregularare* isolates from grapevines in South Africa suggest be a single variable species. *Fungal Biology* 115: 1210-1224.
17. Van der Walt, L., Spotts, R.A., Ueckermann, E.A., Smit, F.J., Jensen, T. and McLeod, A. (2011). The association of *Tarsonemus* mites (Acari: Heterostigmata) with different apple developmental stages and apple core rot diseases. *International Journal of Acarology* 37: 71-84.
18. Tewoldemedhin, Y.T., Mazzola, M., Labuschagne, I. and McLeod, A. (2011). A multi-phasic approach reveals that apple replant disease is caused by multiple biological agents, with some agents acting synergistically. *Soil Biology and Biochemistry* 43: 1917-1927.
19. Spies, C.F.J., Mazzola, M. and McLeod, A. (2011). Characterisation and detection of *Pythium* and *Phytophthora* species associated with grapevines in South Africa. *European Journal of Plant Pathology* 13: 131:103-119.
20. Spies, C.F.J., Mazzola, M., Botha, W.J., Van der Rijst, M., Mostert, L. and McLeod, A. (2011). Oogonial biometry and phylogenetic analyses of the *Pythium vexans* species group from woody agricultural hosts in South Africa reveal distinct groups within this taxon. *Fungal Biology* 115: 157-168.
21. Tewoldemedhin, Y.T., Mazzola, M., Botha, W.J., Spies, C. and McLeod, A. (2011). Characterization of fungi (*Fusarium* and *Rhizoctonia*) and oomycetes (*Phytophthora* and *Pythium*) associated with apple orchards in South Africa. *European Journal of Plant Pathology* 130: 215-229.
22. Tewoldemedhin, Y.T., Mazzola, M., Mostert, L. and McLeod, A. (2011). *Cylindrocarpon* species associated with apple tree roots in South Africa and their quantification using real-time PCR. *European Journal of Plant Pathology* 129: 637-651.
23. Dunn, A.R., Milgroom, M.G., Meitz, J.C., McLeod, A., Fry, W.E., McGrath, M.T., Dillard, H.R. and Smart, C.D. (2010) Population structure and resistance to mefenoxam of *Phytophthora capsici* in New York State. *Plant Disease* 94: 1461-1468.
24. Bezuidenhout, C.M., Denman, S., Kirk, S.A., Botha, W.J., Mostert, L., McLeod, A. (2010). *Phytophthora* taxa associated with cultivated *Agathosma*, with emphasis on the *P. citricola* complex and *P. capensis* sp. nov. *Persoonia* 25: 32-49.
25. Meitz, J.C., Linde, C.C., Thompson, A., Langenhoven, S. and McLeod, A. (2010). *Phytophthora capsici* on vegetable hosts in South Africa: Distribution, host range and genetic diversity. *Australasian Plant Pathology* 39: 431-439.
26. Van der Walt, L., Spotts, R.A., Visagie, C.M., Jacobs, K., Smit, F.J. and McLeod, A. (2010). *Penicillium* species associated with preharvest wet core rot in South Africa and their pathogenicity on apple. *Plant Disease* 94:666-657.
27. Paparu, P., McLeod, A., Dubois, T., Coyne, D. and Viljoen, A. (2009). Efficacy of chemical and fluorescent protein markers in studying plant colonization by endophytic non-pathogenic *Fusarium oxysporum* isolates. *BioControl* 54: 709-722
28. McLeod, A., Botha, W.J., Meitz, J.C., Spies, C.F.J., Tewoldemedhin, Y.T., and Mostert, L. (2009). Morphological and phylogenetic analyses of *Pythium* species in South Africa. *Mycological Research* 113: 933-951.
29. McLean, T., Fourie, P.H. and McLeod, A. (2009) Reporter gene transformation of the trunk disease pathogen *Phaeomoniella chlamydospora* and biological control agent *Trichoderma harzianum*. *Australasian Plant Pathology* 38: 153-167.
30. McLeod, A., Fry, B.A., Zuluaga, A.P., Meyers, K.I. and Fry, W.E. (2008) Toward improvements of oomycete transformation protocols. *Journal of Eukaryotic Microbiology* 55: 103-109.
31. Moraleja, E., Clemente, A., Descals, E., Belbahri, L., Calmin, G., Lefort, F., Spies, C.F.J. and McLeod A. (2008) *Pythium recalcitrans* sp. nov. revealed by multigene phylogenetic analysis. *Mycologia* 100: 310-319.
32. Belbahri, L., McLeod, A., Paul, B., Calmin, G., Moralejo, E., Spies, C.F.J., Botha, W.J., Clemente, A., Descals, E., Sánchez-Hernández, E., and Lefort, F. (2008). Intra-specific and within-isolate sequence variation in the ITS rDNA region of *Pythium mercuriale* sp. nov. (*Pythiaceae*). *FEMS Microbiol. Lett.* 284: 17-27.

33. Koopman, T., Linde, C.C., Fourie, P.H. and McLeod, A. (2007) Population genetic structure of *Plasmopara viticola* in the Western Cape Province of South Africa. *Molecular Plant Pathology* 8: 723-736.
34. Du Toit, L.J., Burger, J.T., McLeod, A., Engelbrecht, M. and Viljoen, A. (2007) Iris yellow spot virus in onion seed crops in South Africa. *Plant Disease* 91: 1202.
35. McLeod A. and Coertze S. (2007) First report of *Phytophthora cryptogea* on *Osteospermum* in South Africa. *Plant Disease* 91: 322
36. Tewoldemedhin Y.T., Lamprecht S., McLeod A. and Mazzola M. (2006) Characterization of *Rhizoctonia* in cropping systems in the Western Cape Province of South Africa. *Plant Disease* 90: 1399-1406
37. McLeod A., Coertze S. and Mostert L. (2006) First report of a *Peronospora* species on sweet basil in South Africa. *Plant Disease* 90 : 1115-1115
38. Retief E., McLeod A. and Fourie P. (2006) Potential inoculum sources of *Phaeomoniella chlamydospora* in South African grapevine nurseries. *European Journal of Plant Pathology* 115: 331-339
39. McLeod A. and Coertze S. (2006) First report of *Phytophthora infestans* on *Petunia x hybrida* in South Africa. *Plant Disease* 90: 1550-1550
40. Retief E., Damm U., Van Niekerk J.M., McLeod A. and Fourie P.H. (2005) A protocol for molecular detection of *Phaeomoniella chlamydospora* in grape vine wood. *South African Journal of Science* 101:139-142.
41. McLeod A., Smart C.D. and Fry W.E. (2004) Core promoter structure in the oomycete *Phytophthora infestans*. *Eukaryotic Cell* 3: 91-99.
42. McLeod A., Smart C.D. and Fry W.E. (2003) Characterization of 1,3- β - and 1,3;1,4- β glucanase genes in *Phytophthora infestans*. *Fungal Genetics and Biology* 38: 250-263.
43. McLeod A., Denman S., Sadie A., and Denner F.D.N. (2001) Characterization of South African isolates of *Phytophthora infestans*. *Plant Disease* 85: 287-291.
44. De Klerk A., McLeod A., and Faurie R. (1997) Net Blotch and necrotic warts caused by *Streptomyces scabies* on pods of peanut (*Arachis hypogaea*). *Plant Disease* 81: 958.

BOOK CHAPTERS

1. Fry, W.E., Grunwald, N.J., Cooke, D.E.L., McLeod, A., Forbes, G.A. & Keqiang, C. (2009) Population Genetics and Population Diversity of *Phytophthora infestans*. In: Oomycete Genetics and Genomics. Diversity, Interactions and Research Tools. Lamour, K. & Kamoun, S. (eds)., John Wiley & Sons., Inc., Hoboken, New Jersey., pp. 139-164.
2. McLeod, A. (2014) Moldy core and core rots. In: Compendium of apple and pear disease and pests (second edition). Sutton, T.B., Aldwinckle, H.S., Agnello, A.M. and Walgenbach, J.F. (eds). The American Phytopathological Society, St. Paul, Minnesota, USA. pp. 40-41.

NATIONAL CONFERENCES AND SYMPOSIA

1. Carstens,E., Linde, C., Slabbert, R., Langenhoven, S., Schutte, G., Fourie, P. and McLeod, A. (2013) Population genetics of *Guignardia citricarpa* in South Africa. *48th Congress of the Southern African Society for Plant Pathology*, Bela-Bela, South Africa (20-24 January 2013).
2. Pretorius, M.C., Kotze, C. McLeod, A. and Labuschagne, N. (2012) Holistic approach for the control of soiborne diseases on citrus. *7th Citrus Research International symposium*, Champagne Sports Resort Drakensberg, South Africa.
3. Carstens, E., H.F. Le Roux, H.F.,Van Rooyen, L., Coetzee, J., Wentzel, R., Schutte, G.C.,Laubscher, W., Dawood, Z., Fourie, P.H., McLeod, A., and Hattingh, V. (2012) Citrus black spot free production areas in South Africa. *7thCRI Citrus Research Symposium*, Champagne Sports Resort, Winterton, KwaZulu-Natal, South Africa (19 - 22 August 2012)

4. Hiton, N., Storey, S.G., Prinsloo, K. and McLeod, A. (2011) Nemalan, a fermented plant extract with the potential for suppressing root-knot nematodes (*Meloidogyne* spp.) on tomato. 20th NSSA Symposium, Spier Conference venue, Stellenbosch, 15-18 May.
5. Bahramisharif, A., Lamprecht, S., Spies, C.F.J., Botha, W.J. and McLeod, A. (2011) *Pythium* species causing damping-off of rooibos seedlings, with emphasis on putative new species in clade G. 47th SASPP congress, Kruger National Park (23-26 January).
6. Meitz, J.C., Pretorius, M.C., Spies, C.F.J., Huisman, L., Botha, W.J., Langenhoven, S. and McLeod, A. (2010) *Phytophthora* species associated with citrus from different production regions in South Africa. 6th Citrus Research Symposium, Champagne Sports Resort, Central Drakensberg, South Africa, 15-18 August.
7. Meitz, J.C., Thompson, A., Linde, C.C., Langenhoven, S. and McLeod, A. (2009) Development of *Phytophthora capsici* microsatellite markers. 46th SASPP congress, Gordon's Bay (25-28 January).
8. Bezuidenhout, C.M., Denman, S., Meitz, J.C., Botha, W.J. and McLeod, A. (2009) Characterization of *Phytophthora* isolates associated with cultivated fynbos. 46th SASPP congress, Gordon's Bay (25-28 January).
9. Southwood, M., Viljoen, A., Rose, L., Fourie, G., Schwartz, H.F. and McLeod, A. (2009) Characterization and detection of *Fusarium oxysporum* f.sp. *cepae* isolates associated with onions in South Africa and the United States (Colorado). 46th SASPP congress, Gordon's Bay (25-28 January).
10. Gouws, R., Wanner, L. and McLeod, A. (2009) A survey of genetic variation of *Streptomyces* spp. isolated from field infested common scab potato tubers in South Africa. 46th SASPP congress, Gordon's Bay (25-28 January).
11. Spies, C.F.J., Mazzola, M., Mostert, L., Meitz, J.C. and McLeod, A. (2009). Genetic variation within the *Pythium irregularare* species complex from grapevine in South Africa. 46th SASPP congress, Gordon's Bay (25-28 January).
12. Spies, C.F.J., Mazzola, M., Botha, W.J., Koopman, T.A., Meitz, J., Paarwater, H., Mostert, L. and McLeod, A. (2009) Characterisation of the *Pythium vexans* species complex from fruit crops in South Africa. 46th SASPP congress, Gordon's Bay (25-28 January).
13. Naidoo, R., Coetzer, N., Myburg, A.A., McLeod, A., Berger, D.K. and Naidoo, S. (2009) Transcript profiling of a resistant *Arabidopsis thaliana* ecotype to identify candidate genes for defence against the *Eucalyptus* isolate of *Ralstonia solanacearum*. 46th SASPP congress, Gordon's Bay (25-28 January).
14. Pule, B.B., Meitz, J.C., Thompson, A., Fry, W.E., Meyers, K.L., Wakahiu, M., Senkesha, N. and McLeod, A. (2009) Population structure of *Phytophthora infestans* in selected central, eastern and southern African countries. 46th SASPP congress, Gordon's Bay (25-28 January).
15. Meitz, J.C., Pretorius, M.C., Buhlungu, Z., Botha, W.J., Huisman, L., Langenhoven, S. And McLeod, A. (2009) A survey of *Phytophthora* species on citrus in South Africa, and real-time PCR detection of citrus *Phytophthora* species from soil. 46th SASPP congress, Gordon's Bay (25-28 January).
16. Tewoldemedhin, Y.T., Mazzola, M., Mostert, L., Meitz, J.C. and McLeod, A. (2009) *Cylindrocarpon* species associated with apple trees in South Africa, and the development of a molecular quantification technique from roots. 46th SASPP congress, Gordon's Bay (25-28 January).
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4. McLeod, A. Can compost teas play a role in sustainable plant disease control ? DFPT Research/UAP Crop Protection day, Ceres, 13 August 2008.
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