

## **S.J. MILTON: COMPLETE PUBLICATION LIST**

### **THESES**

- Milton, S.J. 1980. *Studies on Australian acacias in the south western Cape, South Africa*. MSc. thesis, Botany Department, University of Cape Town (supervised by A.V. Hall and E.J. Moll).
- Milton, S.J. 1992. *Studies of herbivory and vegetation change in Karoo shrublands*. PhD thesis, Zoology Department, University of Cape Town (supervised by W.R. Siegfried and M.C. Rutherford).

### **BOOKS**

1. Milton, S.J. (ed.) 1979. *The ecology of Bundu Farm*. Habitat Working Group, University of Cape Town and the South African Exploration Society (S.O.S) pp. 142. Outdoor education manual for use at the Bundu Farm Outdoor Education Centre "School in the Wilds", Villiersdorp, Cape. [\[PDF\]](#)
2. Barnes, R.D., Filer, D.L. and Milton, S.J. 1996. *Acacia karoo* monograph and annotated bibliography. *Tropical Forestry paper* 32. Oxford Forestry Institute, Oxford, U.K. pp. 77.
3. Milton, S.J. and Dean, W.R.J. 1996. *Karoo Veld: Ecology and Management*. Range and Forage Institute, Agricultural Research Council, Pretoria, 94 pp.
4. Barnes, R.D., Fagg, C.W. and Milton, S.J. 1997. *Acacia erioloba* monograph and annotated bibliography. *Tropical Forestry Papers* 35. Oxford Forestry Institute, Oxford, U.K. pp. 66.
5. Dean, W.R.J. and Milton, S.J. (eds) 1999. *The Karoo, ecological patterns and processes*. Cambridge University Press, Cambridge, U.K. 374 pp, 20 chapters, 35 authors.
6. Walton, A. and Milton, S. 2004. *A very busy world*. Grade 6 Read and Learn, Juta (Pty) Ltd, Landsdowne, Western Cape. 48 pp. ISBN 070216455
7. Esler, K.J., Milton, S.J. and Dean, W.R.J. 2006. *Karoo Veld - Ecology and Management*. Briza Press, Pretoria. 224 pages. ISBN 1 875093 52 4 (English), ISBN 1 875093 55 9 (Afrikaans)
8. Aronson, J., Milton, S.J. and Blignaut, J.N. (eds). 2007. *Restoring Natural Capital: Science, Business and Practice*. Island Press, Washington, D.C. 390 pp. ISBN-13: 978-1-59726-076-3

### **BOOK CHAPTERS**

1. Dean, S.J., Holmes, P.M. and Weiss P.W. 1986. Seed biology of invasive alien plants South Africa and South West Africa/Namibia. In: Macdonald I.A.W., Kruger F.J. and Ferrar A.A. (eds) 1986. *The Ecology of Biological Invasions in southern Africa*. Oxford University Press, Cape Town, Ch. 12, pp. 157-170
2. Milton, S.J., Yeaton, R.I., Dean, W.R.J. and Vlok, J.H.J. 1997. Succulent Karoo. Pages 131-166 in R.M. Cowling, D.M. Richardson and S.M. Pierce (eds) *Vegetation of Southern Africa*. Cambridge University Press, Cambridge, U.K. 615 pp.
3. Milton, S.J., Davies, A.G. and Kerley, G.I.H. 1999. Population level dynamics. Pages 183-207 in: Dean, W.R.J. and Milton, S.J. (eds). *The Karoo, ecological patterns and processes*. Cambridge University Press, Cambridge, U.K. 374 pp.
4. Milton, S.J., Zimmermann, H.G. and Hoffmann, J.H. 1999. Alien plants. Pages 274-287 in: Dean, W.R.J. and Milton, S.J. (eds). *The Karoo, ecological patterns and processes*. Cambridge University Press, Cambridge, U.K. 374 pp.
5. Dean, W.R.J. and Milton, S.J. 1999. Animal foraging and food. Pages 164-177 in Dean, W.R.J. and Milton, S.J. (eds) *The Karoo, ecological patterns and processes*. Cambridge University Press, , Cambridge, U.K. 374 pp.
6. Richardson, D. M., Bond, W. J., Dean, W. R. J., Higgins, S. I., Midgley, G. F., Milton, S. J., Powrie, L. W., Rutherford, M. C., Samways, M. J. and Schulze, R. E. 2000. Invasive alien organisms and global change: a South African perspective. Pages 303-349 in: Mooney, H. A. and Hobbs, R. J. (eds) *Invasive species in a changing world*. Island Press, Washington, D.C.
7. Milton, S.J. and Wiegand, T. 2001. How grazing turns rare seedling recruitment events to non-events in arid environments. Pages 197-207 in Breckle S.-W., Veste, M. and Wucherer, W. (eds) *Sustainable Land-Use in Deserts* Springer, Heidelberg.
8. Lonsdale, M. and Milton, S. 2002 People and plant invasions of the rangelands. Pages 101-116 in Grice, A.C. (ed.) *Global rangelands: progress and prospects*. CABI Publishing, 320 pp. ISBN 0851995233.

9. Kemp, A.C., Dean, W.R.J., Whyte, I.J., Milton, S.J. and Benson, P.C. 2003. Birds: responders or contributors to resource heterogeneity? Pages 276-291 in: du Toit, J.T., Biggs, H.C. and Rogers, K.H. (eds) *The Kruger Experience: Ecology and Management of Savanna Heterogeneity*. Island Press, Washington, D.C.
10. Dean, W.R.J. and Milton, S.J. 2005. The natural history of Prince Albert. In Thomas, D. (ed.) *Prince Albert –landmark events, colourful characters and lifestyle of an historic Karoo town*. Prince Albert Writers Guild, Prince Albert. ISBN 0-620-33361-8. Printed by Formsexpress, Retreat, Cape Town.
11. Mucina, L., Jürgens, N., le Roux, A., Rutherford, M.C., Schmiedel, U., Esler, K.J., Powrie, L.W., Desmet, P.G. and Milton, S.J. 2006. Succulent Karoo Biome. Pages 221-299 in Mucina, L. and Rutherford, M.C. (eds) *The vegetation of South Africa, Lesotho and Swaziland. Strelitzia 19*. South African National Biodiversity Institute, Pretoria.
12. Mucina, L., Rutherford, M.C., Palmer, A.R., Milton, S.J., Scott, L., Lloyd, J.W., van der Merwe, B., Hoare, D.B., Bezuidenhout, H., Vlok, J.H.J., Euston Brown, D.I.W., Powrie, L.W. and Dold, A.P. 2006. Nama Karoo Biome. Pages 325-347 in Mucina, L. and Rutherford, M.C. (eds) *The vegetation of South Africa, Lesotho and Swaziland. Strelitzia 19*. South African National Biodiversity Institute, Pretoria.
13. Aronson, J., Milton, S.J. and Blignaut, J.N. 2007. Chapter 1. Restoring natural capital: definitions and rationale. Pp 3-8 in: Aronson, J., Milton, S.J. and Blignaut, J.N. (eds.) *Restoring Natural Capital: Science, Business and Practice*. Island Press, Washington, D.C.
14. Milton, S.J. Aronson, J., and Blignaut, J.N. 2007. Chapter 35. Restoring towards a better future. Pp. 313-318 in: Aronson, J., Milton, S.J. and Blignaut, J.N. (eds.) *Restoring Natural Capital: Science, Business and Practice*. Island Press, Washington, D.C.
15. Milton, S.J. and Dean, W.R.J. 2011. Changes in rangeland capital: trends, drivers and consequences. Pages 74-78 in Zietsman, L. (ed) *Observations on Environmental Change in South Africa*. Sun Press, Stellenbosch.
16. Dean, W.R.J. and Milton, S.J. 2011. Overview of mining types, spatial distribution, costs and benefits. Pages 156-160 in Zietsman, L. (ed) *Observations on Environmental Change in South Africa*. Sun Press, Stellenbosch.

**S.J. MILTON: PEER REVIEWED PUBLICATIONS (\* thesis papers)**

1. \*Milton, S.J. 1981. Litterfall of exotic acacias in the South western Cape. *Journal of South African Botany* **47**:147-155. [PDF]
2. \*Milton, S.J. and Siegfried, W.R. 1981. Above-ground biomass of Australian Acacias in the southern Cape, South Africa. *Journal of South African Botany* **47**:701-716.
3. \*Glyphis, J., Milton, S.J. and Siegfried, W.R. 1981. Dispersal of *Acacia cyclops* by birds. *Oecologia (Berl.)* **48**:138-141.
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5. \*Milton, S.J. 1982. Effects of shading on nursery-grown acacias. *Journal of South African Botany* **48**:245-272. [PDF]
6. \*Milton, S.J. and Moll, E.J. 1982. Phenology of Australian acacias in the S.W. Cape, South Africa and its implications for management. *Botanical Journal of the Linnean Society* **84**:295-327. [PDF]
7. Milton, S.J. 1983. *Acacia tortilis* subsp. *heterocantha* productivity in the Tugela Dry Valley Bushveld: preliminary results. *Bothalia* **14**:767-772.
8. Milton, Sue J. and Bond, Creina 1986. Thorn trees and the quality of life in Msinga. *Social Dynamics* **12**:64-76.
9. Cunningham, A.B. and Milton, S.J. 1987. Effects of basket weaving industry on mokola palm and dye plants in northwestern Botswana. *Economic Botany* **41**:386-402.
10. Milton, S. J. 1987. Phenology of seven *Acacia* species in South Africa. *South African Journal of Wildlife Research* **17**(1): 1-6. [PDF]
11. Milton, S.J. 1987. Effects of harvesting on four species of forest ferns in South Africa. *Biological Conservation* **41**: 133-146. [PDF]

12. Milton, S.J. 1987. Growth of seven-weeks fern (*Rumohra adiantiformis*) in the southern Cape forests: implications for management. *South African Forestry Journal* **143**: 1-4. [\[PDF\]](#)
13. Milton, S.J. 1988. The effects of pruning on shoot production and basal increment of *Acacia tortilis*. *South African Journal of Botany* **54**: 109-117. [\[PDF\]](#)
14. Milton, S.J. and Macdonald, I.A.W. 1988. Tree deaths near tar roads in the northern Transvaal. *South African Journal of Science* **84**: 164-165.
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16. Dean W.R.J. and Milton, S.J. 1988. Dispersal of seeds by raptors. *African Journal of Ecology* **26**: 173-176.
17. Milton S.J. and Dean, W.R.J. 1988. Flower and fruit production of *Rhigozum obovatum* (Bignoniaceae) in road reserves and grazing land. *South African Journal of Science* **84**: 798-799. [\[PDF\]](#)
18. \*Milton S.J., Siegfried, W.R. and Dean, W.R.J. 1990. The distribution of epizoochoric plant species: a clue to the prehistoric use of arid karoo rangelands by large herbivores. *Journal of Biogeography* **17**: 25-34. [\[PDF\]](#)
19. Milton, S.J. 1990. A lycaenid butterfly selects unseasonal young *Acacia* shoots for oviposition. *South African Journal of Zoology* **25**: 84-85.
20. Dean, W.R.J., Milton, S.J. and Siegfried, W.R. 1990. Dispersal of seeds as nest material by birds in semiarid karoo shrubland. *Ecology* **71**: 1299-1306. [\[PDF\]](#)
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22. Milton, S.J. 1990. Above-ground biomass and plant cover in a succulent shrubland in the southern Karoo, South Africa. *South African Journal of Botany* **56**: 587-589. [\[PDF\]](#)
23. Milton, S.J. and Dean, W.R.J. 1990. Mima-like mounds in the southern and western Cape: are the origins so mysterious? *South African Journal of Science* **86**: 207-208. [\[PDF\]](#)
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25. \*Milton, S.J. 1990. Lifestyles of plants in four habitats in an arid Karoo shrubland. *South African Journal of Ecology* **1**: 63-72. [\[PDF\]](#)
26. Dean, W.R.J. and Milton, S.J. 1991. Patch disturbances in arid grassy dunes: antelope, rodents and annual plants. *Journal of Arid Environments* **20**: 231-237.
27. Dean, W.R.J. and Milton, S.J. 1991. Disturbances in semi-arid shrubland and arid grassland in the Karoo, South Africa: mammal diggings as germination sites. *African Journal of Ecology* **29**: 11-16.
28. Milton, S.J. 1991. Slow recovery of defoliated Seven-weeks fern *Rumohra adiantiformis* in Harkerville forest. *South African Forestry Journal* **158**: 23-27. [\[PDF\]](#)
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30. \*Milton, S.J. 1991. Plant spinescence in arid southern Africa: does moisture mediate selection by mammals? *Oecologia* **87**: 279-287. [\[PDF\]](#)
31. Dean, W.R.J. and Milton, S.J. 1991. Emergence and oviposition of *Quintillia cf. conspersa* Karsch (Homoptera: Cicadidae) in the southern Karoo, South Africa. *Journal of the entomological Society of southern Africa* **54(2)**: 111-119. [\[PDF\]](#)
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34. Dean, W.R.J. and Milton, S.J. 1992. Emergence and density of *Quintillia cf. vitripennis* Karsh (Homoptera: Cicadidae) in the southern Karoo. *Journal of the entomological Society of southern Africa* **55**: 71-75. [\[PDF\]](#)

35. Dean, W.R.J., du Plessis, M.A., Milton, S.J., Adams, N.J. and Siegfried, W.R. 1992. An association between a stem succulent (*Euphorbia damarana*) and a leaf succulent (*Aloe asperifolia*) in the Namib Desert. *Journal of Arid Environments* **22**: 67-72.
36. Milton, S.J., Dean, W.R.J. and Kerley, G.I.H. 1992. Tierberg Karoo Research Centre: history, physical environment, flora and fauna. *Transactions of the Royal Society of South Africa* **48(1)**: 15-46.
37. \*Milton, S.J. 1992. Plants eaten and dispersed by *Geochelone pardalis* (Reptilia: Chelonii) in the southern Karoo. *South Africa Journal of Zoology* **27(2)**: 45-49. [PDF]
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39. \*Milton, S.J. and Dean, W.R.J. 1992. An underground index of rangeland degradation: cicadas in arid Karoo shrublands, southern Africa. *Oecologia* **91(2)**: 288-291. [PDF]
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61. Wiegand, T., Milton, S.J. and Wissel, Ch. 1995. A simulation model for a shrub-ecosystem in the semi-arid Karoo, South Africa. *Ecology* **76(7)**: 2205-2221.
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- 01.97 (27-31) Milton, S.J. Plant Ecology IV, *Cape Technikon*
- 04/97 (29) Milton, S.J., Dean, W.R.J. and Marincowitz, C.P. Karoo Veld Plants. *Prince Albert Farmers Association*
- 05.97 Milton, S.J., Dean, W.R.J. and Ellis, R.P. Rangeland health assessment: a practical guide for ranchers in arid Karoo shrublands. *Combating Desertification: Connecting Science with Community Action*, Tucson, USA 12-17 May 97.
- 06.97 (22-30) Milton, S.J. and Dean, W.R.J. Disturbance Ecology. *Conservation Biology Masters, UCT*
- 07/97 (17-18) Milton S.J., A. Steinschen, A. Görne and WRJ Dean. Grazing effects in Vanrhynsdorp Succulent Karoo. *Institute for Plant Conservation, Workshop "Plant Ecology of Namaqualand"* Botany Department, University of Cape Town.
- 07/97 (13-25) Milton, S.J. and Hoffmann, J.H. Alien Invasives. *Conservation Biology Masters, UCT*
- 08/97 (24-28) Milton, S.J. Plant Ecology IV, *Cape Technikon*
- 09-10/97 (07/09-17/10) Milton, S.J. Plant Ecology 301-302, *University of the Western Cape*
- 10/97 (22-23) Milton, S.J. and Dean, W.R.J. Veld assessment methods. 3<sup>rd</sup> year Nature Conservation, *Saasveld Campus, PE Technikon*.
- 11.97 Milton, S.J. and Dean, W.R.J. Progress in arid zone research. *FitzPatrick Institute AGM*. 7 Nov 1997.
- 1998**
- 01.98 (16) Milton, S.J., WRJ Dean, T Wiegand and F Jeltsch (Verbal). From life-histories to vegetation dynamics: can we jump to valid conclusions in arid regions? *South African Association of Botanists, Annual Congress* University of Cape Town (Symposium: Towards a predictive ecology)
- 02.98 (27-31) Milton, S.J. Plant Ecology IVa (7 lectures), *Cape Technikon*
- 02.1998 Milton, SJ Convenor of "Workshop on rehabilitation by translocation", University of Cape Town, February 1998.
- 03.98 (22-30) Milton, S.J. and Dean, W.R.J. Disturbance Ecology. *Conservation Biology Masters, UCT* presented in Prince Albert
- 06.98 (16) Milton, S.J., Stadler, J., Klotz, S., Dean, W.R.J. and Brandl, R. (Verbal) Small-scale disturbances and diversity in plant communities. Workshop "Störungen und Biodiversität". Centre for Environmental Research, Halle, Germany.
- 08.98 (17-22) Milton, S.J. and W.R.J. Dean. (Poster) The use of green aromatic plants in Karoo bird nests. *International Ornithological Congress No. 22*, Durban
- 09.98 (27-31) Milton, S.J. Plant Ecology Ivb (5 lectures), *Cape Technikon*
- 8.98** (30) Milton, S.J. and W.R.J. Dean (Verbal, 15 min). Action in the arid zone. *Percy FitzPatrick Institute AGM, UCT*
- 1999**
- 02.99 (2-3) SJ Milton, Settele J, Vetterlein D and WRJ Dean (Poster). Responses of soil and vegetation to intensive livestock impacts in arid South Africa. *Grassland Society of Southern Africa, Annual Congress*, Warmbaths (1-4 Feb 1999)
- 02.99 (2-3) SJ Milton and WRJ Dean (Verbal, 20 min) Dynamics of a Bushmanland dune grassland community. *Grassland Society of Southern Africa, Annual Congress*, Warmbaths (1-4 Feb 1999)
- 03.98 (1-5) Milton, S.J. Plant Ecology IVa (7 lectures), *Cape Technikon*
- 03.99 Milton, S.J. (Verbal 15 min) Karoo landuse effects on plant biodiversity dynamics. *CNRS-FRD Plant Biodiversity Dynamics Workshop*, NBI Research Centre, Cape Town (23-24 March 1999)
- 04.99 Milton, S.J. (talk) Karoo Veld Assessment. Schoombie famers' Association seminar, Culmstock farm, Steynsburg (8 April 1999)

- 04.99 Milton, S.J. (Verbal 20 min) Natural resource conservation and future options in the Karoo. Prince Albert Farmers' Association, Showgrounds, Prince Albert (13 April 1999)
- 05.99 Milton, S.J. and Wiegand, T. (Verbal 20 min) How grazing turns rare seedling recruitment events to non-events in arid environments. *Ecological Problems of sustainable landuse in deserts*. Bonn, (5-9 May 1999).
- 06.99 (7-11, 21-25) Milton, S.J and Dean, W.R.J. Disturbance Ecology. *Conservation Biology MSc course*, UCT
- 06.99 (21) Milton, S.J. How plants cross fences. *Botany Department Seminar*, University of the Western Cape.
- 06.99 (30) Milton, S.J. Natural resource conservation. School Olympiad runners up. Stellenbosch University
- 07.99 Milton, S.J. and Dean, W.R.J. (Poster) Drive-by sampling of aliens across a rainfall gradient in Karoo rangelands, South Africa. *International Rangeland Conference*, Townsville, Australia.
- 08.99 Milton, S.J. and Wiegand, T. (Poster) Predicting and detecting events: empirical data and models from the Tierberg Karoo Research Centre. *Long Term Ecological Research Conference*, Skukuza 17-19 August 1999.
- 08.99 (27) Milton, S.J. (Workshop convenor). *Community-based conservation Workshop*. Environmental Resources Unit, University of the Western Cape, August 1999.
- 09.99 (6-9) Milton, S.J. (Verbal 20 min). The recruitment event that stopped at the fence: seedlings in grazed and protected veld. *Arid Zone Ecology Forum*, Van Rhynsdorp. NRF, Pretoria.
- 09.99 (15) Milton, S.J. (Verbal 60 mins) Seed dispersal as a constraint for vegetation change. *Botany Department Seminar*, University of Cape Town.
- 12.99 (29-31) Milton, S.J and Dean, W.R.J. (Field course) *Plant-animal interactions in Karoo ecology*. Post graduate students, State University of New York.

## 2000

- 06.2000 Milton SJ 2000. Biodiversity and resource conservation in the real world. *Inaugural address*, University of Stellenbosch, June 2000. 8 pp.
- 09.2000 Milton, S.J. 2000. Birds as bioprospectors. Experimental Biology Group Spring Symposium, UWC, 2 September 2000
- 09.2000 Schmidt, A. and Milton, S.J. 2000. Strip-mine rehabilitation in the arid Succulent Karoo of South Africa. *Arid Zone Ecology Forum*, Kenhart.
- 10.2000 Milton, SJ 2000 Convenor of "Workshop on rehabilitation in Fynbos, Renosterveld, Strandveld and Karoo", University of Stellenbosch, 17 October 2000.
- 12.00 (29-31) Milton, S.J and Dean, W.R.J. (Field course) *Plant-animal interactions in Karoo ecology*. Post graduate students, State University of New York.

## 2001

- 06.2001 Milton SJ and Dean WRJ 2001. (Verbal 20 min) Dispersal tails from the Karoo, South Africa. *Plant Dispersal and Migration Workshop*, CNRS, Montpellier, France, 19-23 June 2001.
- 09.2001 Dean, W.R.J., Anderson, M.D., Milton, S.J. and Anderson, T.A. (Poster) Avian assemblages in native Acacia and Prosopis drainage line woodland in the Kalahari, South Africa. *Arid Zone Ecology Forum* Calitzdorp 4-7 September 2001. Abstract p 25, NRF Pretoria.
- 09.2001 Cheney, C, Esler KJ, Le Roux, A and Milton, S.J. (Poster) Management for biodiversity in Strandveld – Rocherpan Nature Reserve. *Arid Zone Ecology Forum* Calitzdorp 4-7 September 2001. Abstract p 33, NRF Pretoria.
- 09.2001 Riginos, C. and Milton, SJ (Verbal 15 min) When does a seedling need a nurse? A synthetic approach to disturbance, rainfall and facilitation among Karoo shrubs. *Arid Zone Ecology Forum* Calitzdorp 4-7 September 2001. Abstract p 45, NRF Pretoria.
- 09.2001 Mahood, K., Milton, S.J. and Halbich, T. (Poster). Strip mining rehabilitation by translocation. *Arid Zone Ecology Forum* Calitzdorp 4-7 September 2001. Abstract p 47, NRF Pretoria.
- 09.2001 Schmidt, A, Milton, S.J. and Le Roux, A. (Verbal 15 min). Strip mining rehabilitation in Namaqualand *Arid Zone Ecology Forum* Calitzdorp 4-7 September 2001. Abstract p 52, NRF Pretoria. (1st prize)
- 09.2001 Milton, S.J., Powell, J. and Anderson, M.D. (Verbal 15 mins). Incentives for Camelthorn (*Acacia erioloba*) clearing in the Kalahari. *Arid Zone Ecology Forum* Calitzdorp 4-7 September 2001. Abstract p 54, NRF Pretoria.

- 09-2001 Raitt, G.R., Boucher, C. and Milton, S.J. (Poster). Was *Themeda triandra* a dominant grass in South Coast Renosterveld. Poster presentation, Fynbos Forum, Calitzdorp, 4-7 September 2001
- 2002**
- 08-2002 Milton, S.J., Richardson, D.M., Dean, W.R.J. and Allsopp, N. (Verbal 30 mins). Restoring natural capital in southern African rangelands and watersheds. Symposium *Restoring Natural Capital, Joint Conference of the Ecological Society of America and the Society for Ecological Restoration*, Tucson, Arizona (USA), 5-10 August, 2002. 08-2002 Milton, S.J., Wagner, N., Mühle, U and Dean, W.R.J. (Poster). *Bijlia dilatata* - Ecology of a local endemic. *Arid Zone Ecology Forum* Middelburg, Eastern Cape, 27-29 August 2002.
- 08-2002 Midoko I.D., Krug, C. and Milton, S.J. (Poster) Influence on Herbivory and Competition by Grasses on the Establishment of Shrub species on Grazing Lawns in West Coast Renosterveld. – *Fynbos Forum Abstracts*, p 44, Goudini Spa, 15-16 August 2002.
- 08-2002 Farley, N., Watson, L. and Milton, S.J. (Poster) Habitat preferences of large herbivores: A comparison between renosterveld and old fields. *Fynbos Forum Abstracts*, p 43, Goudini Spa, 15-16 August 2002.
- 08-2002 Krug, R.M., Wiegand, T. and Milton, S.J. (Poster) RESTORE: A model for Restoration of Old Fields in West Coast Renosterveld. *Fynbos Forum Abstracts*, p 47, Goudini Spa, 15-16 August 2002.
- 08-2002 Van Rooyen, S., Esler, K.J and Milton, S.J. (Poster) Factors affecting alien grass invasion into West Coast Renosterveld fragments. *Fynbos Forum Abstracts*, p 53, Goudini Spa, 15-16 August 2002.
- 08-2002 Walton, B., Krug, C., le Roux, A. and Milton, S.J. (Poster) Plant species succession onto old fields in West Coast Renosterveld, with different grazing intensities. *Fynbos Forum Abstracts*, p 54, Goudini Spa, 15-16 August 2002.
- 08-2002 Krug, R. and Milton, S.J. (Verbal 15 mins) Pattern in vegetation dynamics: identification and application in modelling restoration of old fields in west coast Renosterveld *Fynbos Forum Abstracts*, p 23,, Goudini Spa, 15-16 August 2002
- 08-2002 Shiponeni, N. (Verbal 15 mins) Dispersal of seeds as a constraint in revegetation of old fields in Renosterveld – *Fynbos Forum Abstracts*, p 30, Goudini Spa, 15-16 August 2002
- 08-2002 Luyt, C. and Ward, D (Verbal 15 mins) What is the value of fynbos to large mammalian herbivores? *Fynbos Forum Abstracts*, p 25, Goudini Spa, 15-16 August 2002
- 08-2002 Wichmann M., Dean, W.R.J., Jeltsch, F. and Milton, S.J. Are raptors affected by a changing vegetation structure in arid savanna? *Arid Zone Ecology Forum*, Middelburg, Eastern Cape, 26-29 August 2002.
- 08-2002- Raliselo, M.A. (Poster). Camelthorn (*Acacia erioloba*) firewood industry in the Western Cape: its implications for conservation and sustainable use of natural resources *Arid Zone Ecology Forum*, Grootfontein, Middelburg, Eastern Cape, 27-30 August 2002.
- 08-2002 Mahood, K. Milton, S.J. and Halbich, T (Verbal 15 mins) Strip Mine Rehabilitation by Translocation. *Arid Zone Ecology Forum*, Grootfontein, Middelburg, Eastern Cape, 27-30 August 2002. Abstract p 27, AZEF Programme, NRF, Pretoria
- 08-2002 Cupido, C. (Poster) Evaluation of veld management practices for livestock and ostriches in the Little Karoo. *Arid Zone Ecology Forum*, Grootfontein, Middelburg, Eastern Cape, 27-30 August 2002.
- 2003**
- 03-2003 Milton, S.J. (Verbal 30 mins) Monitoring your veld. Conservation Farming Report Back, Beaufort West Show Grounds, 5 March 2003.
- 05-2003 Milton, S.J. (Workshop synthesis paper 15 mins) UNESCO/MAB-SCOPE-University of Brasilia Workshop “*Socio-economic Aspects of Emerging Ecosystems (EE)*”, Brasilia, 4-7 May 2003.
- 08.2003 Milton, S.J. (Invited paper, 20 mins) A biological perspective: conference synthesis. *International Rangeland Symposium*, ICC, Durban 28 July-1 August 2003.
- 08.2003 Milton, S.J. (Verbal 30 mins) Life-history, function and demography. *Arid shrubland dynamics workshop, International Rangeland Symposium*, ICC, Durban 26-27 July 2003.

- 08.2003 Milton, S.J. (Invited paper – 15 mins) Overview: Threats posed by exotic annual grasses to South African natural ecosystems. Workshop on "*Grasses as an alien invasive problem in South Africa*" Old Mutual Conference Centre, Kistenbosch, 21 August 2003.
- 08.2003 Milton, S.J. 2003. (invited paper – 30 mins) Restoration and "emerging ecosystems" in the Arid Zone. *Arid Zone Forum*, Kathu, Northern Cape, 25-28 August 2003.
- 08.2003 Van Rooyen, S., Milton, S.J. and Esler, K.J. (Poster) Factors influencing alien grass invasion into remnant Renosterveld patches. *Fynbos Forum* Hartenbos, Western Cape, 5-8 August 2003.
- 08.2003 Raitt G, Boucher, C. and Milton, S.J. (Verbal paper 20 mins) What promotes Rooigras (*Themeda triandra*) growth in South Coast Renosterveld? *Fynbos Forum* Hartenbos, Western Cape, 5-8 August 2003.
- 08.2003 Krug, R., Wiegand, T. and Milton, S.J. (Verbal paper 20 mins) Optimal Patch Size for Restoration of Renosterveld? Or Patch size: a seeds view *Fynbos Forum* Hartenbos, Western Cape, 5-8 August 2003.
- 08.2003 Midoko-Iponga, D., Krug, R., and Milton, S.J. (Verbal paper 20 mins) Renosterveld Restoration: The Role of Competition, Herbivory and Disturbance *Fynbos Forum* Hartenbos, Western Cape, 5-8 August 2003.
- 08.2003 Walton, B.A., Milton, S.J. and Le Roux, A. (Verbal paper 20 mins) Succession in West Coast Renosterveld, with different grazing intensities and ploughing histories *Fynbos Forum* Hartenbos, Western Cape, 5-8 August 2003.
- 08.2003 Netshilaphala N, Milton SJ and Robertson H (Poster) Ants as Bioindicators *Arid Zone Forum*, Kathu, Northern Cape, 25-28 August 2003.
- 08.2003 Seymour C (Poster) Large trees, productivity and biodiversity in the Kalahari: the influence of tree size on subcanopy plant assemblages. *Arid Zone Forum*, Kathu, Northern Cape, 25-28 August 2003.
- 08.2003 Cupido C, Milton SJ and Visser N (Verbal 20 mins) Assessing the rangelands of the Little Karoo - preliminary results. *Arid Zone Forum, Kathu*, Northern Cape, 25-28 August 2003.

## 2004

- 04.2004 Krug CB, Krug RM, Iponga DM, Shiponeni NN, Walton BA and Milton SJ 2004, Talk, Restoration of West coast Renosterveld, , Medicos, Rhodes Island, Greece 25 April-1 May 2004
- 01.2004 Krug RM, Krug CB, Newton I, Milton SJ, 2004, Talk, Renosterveld – a ghost ecosystem? , , Southern Connections conference, Cape Town, 19-23 January 2004
- 04.2004 Krug RM, Krug CB, Farley N, Iponga DM, Newton I, Shiponeni NN, Walton BA and Milton SJ 2004, Talk, Reconstructing west coast renosterveld: past and present ecological processes in a mediterranean shrubland of South Africa., , Medicos, Rhodes Island, Greece 25 April-1 May 2004
- 08.2004 Krug CB, Krug RM, Midoko-Iponga D, Shiponeni NN, Walton BA and Milton SJ, 2004, Talk, The Renosterveld Restoration Project: Results and Prospects. Abstracts p.37, *Fynbos Forum* 10-13 August 2004, Geelbek, Langebaan
- 08.2004 Krug R, Krug CB, Midoko-Iponga D, Newton I, Shiponeni NN, Walton BA and Milton SJ, 2004, Talk, Reconstructing Ecological Processes in West Coast Renosterveld: The Grazers, the Fires and the Humans., Abstracts p. 36, *Fynbos Forum* 10-13 August 2004, Geelbek, Langebaan
- 08.2004 Midoko-Iponga D, Krug C and Milton SJ, 2004, Talk, Effects of disturbances on the re-establishment of shrubs and tuft grasses on old-field in Renosterveld., Abstracts p. 36, *Fynbos Forum* 10-13 August 2004, Geelbek, Langebaan
- 08.2004 Walton B, Milton SJ and le Roux A, 2004, Talk, Succession in Swartland Shale Renosterveld, with different grazing intensities and ploughing histories., Abstracts p. 35, *Fynbos Forum* 10-13 August 2004, Geelbek, Langebaan
- 08.2004 Milton SJ, Scott M and Dean WRJ and van der Merwe A, 2004, Poster, Is the vegetation of Paarl Mountain Nature Reserve delivering the goods? Patterns, processes and perspectives., Abstracts p. 57, *Fynbos Forum* 10-13 August 2004, Geelbek, Langebaan

- 08.2004 Parker, 2004, Talk, What motivates a private landowner in the greater Cape Town area to conserve renosterveld., Abstracts p. 40, Fynbos Forum 10-13 August 2004, Geelbek, Langebaan
- 08.2004 Luyt C, 2004, Talk, Determining Sustainable Stocking Rates for Bontebok (*Damaliscus dorcas dorcas*) in the Bontebok National Park Bontebok, Stocking rates, Sustainability, Carrying Capacity, 50, Fynbos Forum 10-13 August 2004, Geelbek, Langebaan
- 08.2004 Myburg and Milton SJ, 2004, poster, The effects of acid discharge on plants around the Mineral Separation Plant of the Namakwa Sands mine near Koekenaap., 61, Fynbos Forum 10-13 August 2004, Geelbek, Langebaan
- 08.2004 du Plessis AH and Milton SJ, 2004, poster, Mine rehabilitation success - dispersal from translocated plants., Abstracts p. 61, Fynbos Forum 10-13 August 2004, Geelbek, Langebaan
- 09.2004 Milton, SJ and CB class of 2004, 2004, Talk, Does alien ountain-soutbos (*Atriplex nummularia*) assist return of indigenous diversity to old fields in the Karoo?, Abstracts p. 34, Arid Zone Forum, Victoria West 31 August-2 September.
- 08.2004 Milton SJ, Leuteritz T and Dean WRJ, 2004, Keynote Talk, If you don't succeed the first time try, try again - the prevalence of multiple breeding attempts in Karoo plants and vertebrates, Abstracts p. 12, Adaptations of Desert Organisms, Royal Society of South Africa, Victoria West 28-30 August 2004
- 09.2004 Seymour, C., 2004, Talk, Landuse bird habitat changes in the southern Kalahari: who's affected?, Abstracts p. 29, Arid Zone Forum, Victoria West 31 August-2 September. (PRIZE FOR BEST TALK)
- 09.2004 Manuel, J. and Knight, R., 2004, Talk, *Arundo donax*: Implications of a riparian invader for river systems in the Klein Karoo., Abstracts p. 36, Arid Zone Forum, Victoria West 31 August-2 September.
- 09.2004 Cupido CF, Milton SJ and Visser N, 2004, Talk, How does veld management influence veld condition in the Little Karoo?, Abstracts p. 38, Arid Zone Forum, Victoria West 31 August-2 September.
- 07.2004 Cupido CF, Milton, SJ and Visser N. Talk, Veld degradation in the Little Karoo: should ostrich farmers take the blame? Abstracts p. 48, Grassland Society of South Africa and the south African Society of Animal Science 2004, 28 June – 1 July 2004, Goudini Spa.
- 09.2004 Milton, SJ. Talk, Pearls of Paarl- the diversity and potential of Paarl Mountain Nature Reserve, Drakenstein Municipality, Paarl Mountain Nature Reserve Advisory Board. 10 Sept 2004
- 09.2004 Milton, SJ and Aronson J. Convened international workshop “Restoring Natural Capital – Views from the South”, Prince Albert 12-17 September 2004.

## 2005

1. Milton, S.J., Dean, W.R.J., Baudains, T., Nzazi, A., Fox, S., Kaliba, P., McDonnell, Z., Shine, K., Lauret-Stepler, M., Maswime, T., Scovronick, N., Stephen, V., Suinyuy, T., and Vickers, K. (TALK). Vegetation Change at Tierberg Karoo Research Centre. Arid Zone Forum, 12 - 15 September 2005, Barrydale, *Western Cape Province, Abstracts, p 15.*
2. Esler, K. J., Milton, S. J. and Dean, W. R.J. (TALK). Karoo Veld: Ecology and Management: a Book for the Custodians of Southern Africa's Arid Lands. Arid Zone Forum, 12 - 15 September 2005, Barrydale, *Western Cape Province, Abstracts, p. 16.*
3. Cupido, C. F., Milton, S. J., and Visser N. (TALK). Veld Degradation in the Little Karoo: Should Ostrich Farming Take the Blame? Arid Zone Forum, 12 - 15 September 2005, Barrydale, *Western Cape Province, Abstracts, p. 17.*
4. Cupido, C. F., Milton, S. J., and Visser N. (TALK). Is There Value in Subjective Veld Assessment Methods? Comparing the Quick Rangeland Health Assessment Method with the Grazing Index Method. Arid Zone Forum, 12 - 15 September 2005, Barrydale, *Western Cape Province, Abstracts, p. 19.*

5. Farmer, H., Milton, S. J. and van Deventer, C (TALK). Factors Influencing Spatial Distribution of Herbivores in a Large Protected Area in the Arid Little Karoo: the Influences of Soil Chemistry and Plant Palatability. Arid Zone Forum, 12 - 15 September 2005, Barrydale, *Western Cape Province, Abstracts, p. 24-25.*
6. Kraaij, T. and Milton, S.J. (TALK) Vegetation Changes (1995 – 2004) in Karoo National Park: Effects of Rainfall, Game and Change in Land Use. Arid Zone Forum, 12 - 15 September 2005, Barrydale, Western Cape Province, *Abstracts, p 14.*
7. Van Tonder, C., Cameron, M., and Milton, S. J. (POSTER) Factors Influencing Quartz Field Vegetation Diversity in Central Namaqualand: Preliminary Findings. Arid Zone Forum, 12 - 15 September 2005, Barrydale, *Western Cape Province, Abstracts, p. 20-21.*
8. Midoko-Iponga, D., Milton, S. J. and Richardson, D. M. (TALK) Invasive potential of the Peruvian pepper tree (*Scinus molle*) in South Africa. *Arid Zone Forum*, 12 - 15 September 2005, Barrydale, Western Cape Province, *Abstracts, p. 36-37.*
9. Kieck, M.A., Pearson, A., Cook, P., Snyman, D. and Milton, S.J. (POSTER) Post Mining Recovery of Succulent Karoo Strandveld Biodiversity. *Arid Zone Forum*, 12 - 15 September 2005, Barrydale, Western Cape Province, *Abstracts, p. 41.*
10. Milton, S.J. and Aronson, J. 2005. Restoring natural capital - views from the South. (TALK). *Symposium on strategies for restoring Natural Capital*. 30 October – 2 November 2005, Missouri Botanical Garden, St. Louis, Missouri, USA

## 2006

1. O'Connor TG, Milton SJ and Mills A, 2006, (TALK), Long-term observation and research of agricultural systems, 8, SAEON 2006 Summit, Centurion 26-28 March 2006, Abstracts
2. Baudains T, McDonnell Z, Milton SJ, Scovronick N and Shine K, 2006, (POSTER), The long-term response of Karoo vegetation to nitrogen and potassium additions at Tierberg Karoo Research Centre, 47, SAEON 2006 Summit, Centurion 26-28 March 2006, Abstracts
3. Farmer H, Milton SJ, Kirkwood D, Kalwij J and van Deventer C, (Plenary TALK, 60 mins), Monitoring herbivores in a vegetation reserve, , Quarterly Ecological Meeting of the Gouritz Mega Reserve Business Unit, Cape Nature
4. Esler, K.J., Milton, S.J. and “roads and rivers workshop” delegates Poster. Managing roads, rivers and power line servitudes as biodiversity corridors through the landscape. *Fynbos Forum*, 9-11 August 2006, Rawsonville.
5. Iponga D.M., Milton, S.J. and Richardson, D.M. Paper 15 mins. *Schinus molle* (Peruvian pepper tree) ability to compete for light with indigenous savanna trees in South Africa. "20th National Congress: Southern African Weed Science Society 16-19 July 2006. ATKV Klein Kariba, Bela Bela (Warmbaths).
6. Rahlao, S.J., Esler, K.J., Milton, S.J. and Barnard, P. 2006 Paper 15 mins. Current and future vulnerability of South African ecosystems to perennial grass invasion under global change scenarios - a case of fountain grass (*Pennisetum setaceum*). 20th National Congress: Southern African Weed Science Society 16-19 July 2006. ATKV Klein Kariba, Bela Bela (Warmbaths). Student presentation award.
7. van Tonder, C., Milton, S.J. and Cameron, M. 2006. Paper 15 mins. Factors influencing species richness, composition and cover on Namaqualand quartzfields: with special reference to soil stability. *Arid Zone Ecology Forum*, 21-24 August, Kammielokroon.
8. Milton, S.J. 2006. Poster. Nineteen years of change in cover and density of some Karoo plant species, with and without sheep. Abstract p. 34. *Arid Zone Ecology Forum*, 21-24 August, Kammielokroon.
9. Milton, S.J., Minnaar, J., Joubert, L., Gresse, F. and van der Merwe, A. 2006. Paper 15 mins. How does grazing capacity estimated from clipping compare with cover-based estimates and empirical stocking rates? Abstract p. 29 *Arid Zone Ecology Forum*, 21-24 August, Kammielokroon.
10. Dean, W.R.J. and Milton, S.J. 2006. Paper 15 mins. Changes in Bird Communities over Time: A Case Study from a Military Camp at Deelfontein, South Africa. Abstract p. 11. *Arid Zone Ecology Forum*, 21-24 August, Kammielokroon.
11. Rahlao, S.J., Esler, K.J., Milton, S.J. and Barnard, P. 2006. Paper 15 mins. Current and future vulnerability of South African ecosystems to perennial grass invasion - a case of fountain grass (*Pennisetum setaceum*). *Kimberley Biodiversity Symposium, Rooifontein, 6 September 2006.*

12. Mahood, K., Milton, S.J. and Peters, M.H. 2006. Paper 15 mins. Kimberley mines tailing floors rehabilitation: A study towards sustainable ecosystem service provision. *Kimberley Biodiversity Symposium, Rooifontein, 6 September 2006*.
13. Iponga, D.M. 2006. Paper 15 mins. Invasive potential of the Peruvian pepper tree (*Schinus molle*) in South Africa. *Kimberley Biodiversity Symposium, Rooifontein, 6 September 2006*.
14. Rahlao, S.J., Esler, K.J., Milton, S.J. and Barnard, P. 2006. Poster. Corridor interchange and fountain grass (*Pennisetum setaceum*) success. *CIB Annual Research Meeting 16-17 Nov 2006*.
15. Iponga, D.M., Milton, S.J., Richardson, D.M. 2006. Poster. *Schinus molle*: Seed production, germination and seed predation in relation to land use and rainfall seasonality gradient. *CIB Annual Research Meeting 16-17 Nov 2007*.
16. Kalwij, J.M., Milton, S.J. and McGeoch, M.A. 2006. Poster. Predictors of road verge plant invasion, a spatial hierarchical approach. *CIB Annual Research Meeting 16-17 Nov 2008*.

## 2007

1. Esler, K.J, Milton, S.J. and “roads and rivers workshop” delegates. 2007. Poster, Managing roads, rivers and power line servitudes as biodiversity corridors through the landscape. *South African Association of Botanists, (SAAB), Congress 2007*, University of Cape Town
2. Esler, KJ and Milton, S.J. 2007. Paper. The movers and the shakers: Invasive Alien Plant dispersal interactions with disturbances. *South African Association of Botanists, (SAAB), Congress 2007*, University of Cape Town.
3. Milton, S.J. 2007. popular talk. Veld bestuur, beoordeling en rehabilitasie *Leeugamka Boerevereniging, Kleinvee dag. 23 Apl 2006*.
4. Iponga, D.M. Milton, S.J. and Richardson, D.M. 2007. Poster. *Schinus molle* (Peruvian pepper tree) reproductive potential and seedling establishment in relation to invasion in South African ecosystems. *Society for Conservation Biology Congress, NMMU, 1-5 July 2007*.
5. Iponga, D.M., Milton, S.J. and Richardson, D.M. 2007. Paper. Soil type, shading and herbivory effects influence growth and survival of *Schinus molle* (Peruvian pepper tree) in semi arid savanna: Implications for alien plant invasions. *Conservation Ecology and Entomology Research day, 1 June 2007*
6. Esler, K.J. and Milton, S.J. 2007. Paper. Scientists, managers and mandates: communicating to improve conservation along road, rail, river and powerline servitudes. *Society for Conservation Biology Congress, NMMU, 1-5 July 2007*.
7. Rahlao, S., Esler, KJ, Milton, S.J. and Barnard, P. 2007. Paper. *Pennisetum* at the crossroads: Corridor interchange and fountain grass success in semi-arid South Africa. *Conservation Ecology and Entomology Research day, 1 June 2007*.
8. Milton, S.J. and Dean, W.R.J. 2007 Paper. Response of arid shrubland to nitrogen and potassium additions over 9 years at Tierberg Karoo LTER, South Africa. 92<sup>nd</sup> Annual Conference of the *Ecological Society of America, San Jose, California, 5-9 August 2007*.
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