

University of Cape Town
Research Report 2009
Faculty of Science
Department of Botany

(Including the Bolus Herbarium and the Institute for Plant Conservation)

Articles in peer-reviewed Journals

Abercrombie, L.G., Anderson, C.M., Baldwin, B.G., Bang, I.C., Beldade, R., Bernardi, G., Boubou, A., Branca, A., Bretagnolle, F., Molecular Ecology Resources Primer Dev Consortium, and Midgley, J.J. 2009. Permanent genetic resources added to Molecular Ecology Resources database January 2009-30 April 2009. *Molecular Ecology Resources* (Formerly *Molecular Ecology Notes*), 9: 1375-1429.

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Ah-Peng, C. and Bardat, J. 2009. Un nouveau genre d'hepatique reporté à La Réunion: *Leptolejeunea* (Spruce) Schiffn. (Lejeuneaceae). *Cryptogamie Bryologie*, 30(2): 277-280.

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Wilson, D.T., Stock, W.D. and Hedderson, T.A. 2009. Historical nitrogen content of bryophyte tissue as an indicator of increased nitrogen deposition in the Cape Metropolitan Area, South Africa. *Environmental Pollution*, 157: 938-945.

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Doctoral dissertations

Al-Farsi, A. 2009. Molecular, morphological and biogeographic studies of the stapeliads with emphasis on the genus *Caralluma* s.l. (Apocynaceae-Asclepiadoideae). Supervised by T.A. Hedderson.

Bergh, N.G. 2009. Systematics of the Relhaniinae (Asteraceae-Gnaphalieae) in Southern Africa: geography and evolution of an endemic Cape lineage. Supervised by T.A. Hedderson, W.J. Bond and P. Linder.

Berliner, D. 2009. Systematic conservation planning for South Africa's forest biome: An assessment of the conservation status of South Africa's forests and recommendations for their conservation. Supervised by J.J. Midgley and R. Cowling.

Bradshaw, P.L. 2009. Endemism and richness in the Cape Floristic Region: Phytogeographic patterns and environmental correlates in a global diversity hotspot. Supervised by P. Linder and T.A. Hedderson.

Cupido, C.N. 2009. Systematic studies of the South African Campanulaceae *sensu stricto* with an emphasis on generic delimitations. Supervised by T.A. Hedderson.

De Roo, R.T. 2009. The molecular systematics of the liverwort family Lophoziaceae covers. Supervised by T.A. Hedderson.

Nel, J.L. 2009. Enhancing the conservation of freshwater biodiversity through improvement of freshwater conservation assessment and planning techniques. Supervised by J.J. Midgley and R. Cowling.

Von Hase, A. 2009. The process of conserving biodiversity: From planning to evaluating conservation actions on private land in the Cape Lowlands, South Africa. Supervised by R. Cowling, M.T. Hoffman and M. Rouget.

Master's degrees (by research)

Bonora, D.V. 2009. An environmental history of the Cedarberg: changing climate, land use and vegetation patterns. Master of Science. 153pp. Supervised by M.T. Hoffman, E. February and R. Rohde.

Erasmus, K. 2009. Habitat use, feeding ecology and the impact of re-introduced elephants (*Loxodonta africana*) on trees within a restricted conservation area in the semi-arid Little Karoo, South Africa. Master of Science. 97pp. Supervised by M.T. Hoffman.

Keretetse, M.T. 2009. Water and available nitrogen as co-determinants of a mesic savanna, Kruger National Park, South Africa. Master of Science. 75pp. Supervised by E. February.

Kleizen, C. 2009. The reproductive biology of *Colchicum* (Colchicaceae). Master of Science. 73pp. Supervised by J.J. Midgley and S.D. Johnson.

Southey, D. 2009. Wildfires in the Cape Floristic Region: Exploring vegetation and weather as drivers of fire frequency. Master of Science. 76pp. Supervised by W. Bond, L. Underhill and G. Midgley.

Wakeling, J. 2009. Limitations of savanna trees in the Highland grasslands of South Africa. Master of Science. 91pp. Supervised by W.J. Bond.

Wilby, D.V. 2009. Shallow subtidal seaweed communities of the Agulhas Marine Province of South Africa. Master of Science. 95pp. Supervised by J. Bolton.