

## Journal Articles (subsidised)

- ALEXANDER ME, DICK JTA, O'CONNOR NE.** Born to kill: Predatory functional responses of the littoral amphipod *Echinogammarus marinus* Leach throughout its life history. *Journal of Experimental Marine Biology and Ecology* 2013; **439** : 92–99.
- ALEXANDER ME, DICK JTA, O'CONNOR NE.** Trait-mediated indirect interactions in a marine intertidal system as quantified by functional responses. *Oikos* 2013; **122** : 1521–1531.
- AUGUSTYN WJ, ANDERSON BC, STILLER M, ELLIS AG.** Specialised host-use and phenophase tracking in restio leafhoppers (Cicadellidae: Cephalelini) in the Cape Floristic Region. *Journal of Insect Conservation* 2013; **17** : 1267–1274.
- BARLOW A, BAKER K, HENDRY CR, PEPPIN L, PHELPS T, TOLLEY KA, WÜSTER CE, WÜSTER W.** Phylogeography of the widespread African puff adder (*Bitis arietans*) reveals multiple Pleistocene refugia in southern Africa. *Molecular Ecology* 2013; **22** : 1134–1157.
- BARNAUD A, KALWIJ JM, BERTHOULY-SALAZAR C, MCGEOCH MA, JANSEN VAN VUUREN B.** Are road verges corridors for weed invasion? Insights from the fine-scale spatial genetic structure of *Raphanus raphanistrum*. *Weed Research* 2013; **53** : 362–369.
- BATES MF, TOLLEY KA, EDWARDS S, DAVIDS Z, DA SILVA JM, BRANCH WR.** A molecular phylogeny of the African plated lizards, genus *Gerrhosaurus* wiegmanni, 1828 (Squamata: *Gerrhosauridae*), with the description of two new genera. *Zootaxa* 2013; **3750**(5) : 465–493.
- BERTHOULY-SALAZAR C, HUI C, BLACKBURN TM, GABORIAUD C, VAN RENSBURG BJ, JANSEN VAN VUUREN B, LE ROUX JJ.** Long-distance dispersal maximizes evolutionary potential during rapid geographic range expansion. *Molecular Ecology* 2013; **22** : 5793–5804.
- BLIGNAUT M, ELLIS AG, LE ROUX JJ.** Towards a Transferable and Cost-Effective Plant AFLP Protocol. *PLoS ONE* 2013; **8** : e61704.
- BONATO M, EVANS MR, HASSELQUIST D, SHERLEY RB, CLOETE SWP, CHERRY MI.** Ostrich chick humoral immune responses and growth rate are predicted by parental immune responses and paternal colouration. *Behavioral Ecology and Sociobiology* 2013; **67** : 1891–1901.
- BRANCH GM, BUSTAMANTE RH, ROBINSON TB.** Impacts of a 'black tide' harmful algal bloom on rocky-shore intertidal communities on the West Coast of South Africa. *Harmful Algae* 2013; **24** : 54–64.
- BROECKHOVEN C, MOUTON PLN.** Influence of diet on prehension mode in cordylid lizards: a morphological and kinematic analysis. *Journal of Zoology* 2013; **291** : 286–295.
- CAMPANA MG, ROBINSON TJ, CAMPOS PF, TUROSS N.** Independent confirmation of a diagnostic sheep/goat peptide sequence through DNA analysis and further exploration of its taxonomic utility within the Bovidae. *Journal of Archaeological Science* 2013; **40** : 1421–1424.
- CANGI NMM, HORAK IG, APANASKEVICH DA, MATTHEE S, DAS NEVES LCBG, ESTRADA-PEÑA A, MATTHEE CA.** The Influence of Interspecific Competition and Host Preference on the Phylogeography of Two African Ixodid Tick Species. *PLoS ONE* 2013; **8** : e76930.
- CAPLAT P, CHEPTOU P-O, DIEZ J, GUI SAN A, LARSON BMH, MACDOUGALL AS, PELTZER DA, RICHARDSON DM, SHEA K, VAN KLEUNEN M, ZHANG R, BUCKLEY YM.** Movement, impacts and management of plant distributions in response to climate change: insights from invasions. *Oikos* 2013; **000** : 001–010.
- CERNOHORSKA H, KUBICKOVA S, KOPECNA O, KULEMZINA AI, PERELMAN PL, ELDER FFB, ROBINSON TJ, GRAPHODATSKY AS, RUBES J.** Molecular cytogenetic insights to the phylogenetic affinities of the giraffe (*Giraffa camelopardalis*) and pronghorn (*Antilocapra americana*). *Chromosome Research* 2013; **21** : 447–460.
- COETZEE BWT, LE ROUX PC, CHOWN SL.** Scale effects on the body size frequency distributions of African birds: patterns and potential mechanisms. *Global Ecology and Biogeography* 2013; **22** : 380–390.
- CONRADIE B, TREURNICHT M, ESLER KJ, GAERTNER M.** Conservation begins after breakfast: The relative importance of opportunity cost and identity in shaping private landholder participation in conservation. *Biological Conservation* 2013; **158** : 334–341.
- CONRADIE W, BRANCH WR, TOLLEY KA.** Fifty Shades of Grey: giving colour to the poorly known Angolan Ashy reed frog (Hyperoliidae: *Hyperolius cinereus*), with the description of a new species. *Zootaxa* 2013; **3635** : 201–223.
- DA SILVA JM, TOLLEY KA.** Ecomorphological variation and sexual dimorphism in a recent radiation of dwarf chameleons (*Bradypodion*). *Biological Journal of the Linnean Society* 2013; **109** : 113–130.
- DA SILVA JM, TOLLEY KA.** Ecomorphological variation and sexual dimorphism in a recent radiation of dwarf chameleons (*Bradypodion*). *Biological Journal of the Linnean Society* 2013; **109** : 113–130.
- DANIELS CW, MABUSELA WT, MARNEWICK JL, VALENTINE AJ.** Photosynthetic adaptation of two semi-arid species of *Gethyllis* (Kukumakranka) to drought-and-shade stress. *South African Journal of Botany* 2013; **88** : 36–41.

**DANIELS SR, MCDONALD DE, PICKER MD.** Evolutionary insight into the *Peripatopsis balfouri* sensu lato species complex (Onychophora: Peripatopsidae) reveals novel lineages and zoogeographic patterning. *Zoologica Scripta* 2013; **42** : 656–674.

**DAVIES SJ, CLUSELLA-TRULLAS S, HUI C, MCGEOCH MA.** Farm dams facilitate amphibian invasion: Extra-limital range expansion of the painted reed frog in South Africa. *Austral Ecology* 2013; **38** : 851–863.

**DE JAGER ML, ELLIS AG.** The influence of pollinator phylogeography and mate preference of floral divergence in a sexually deceptive daisy. *Evolution* 2013; **67** : 1706–1714.

**DILLEY BJ, DAVIES D, CONNAN M, COOPER J, DE VILLIERS M, SWART L, VANDENABEELE S, ROPERT-COUDERT Y, RYAN PG.** Giant petrels as predators of albatross chicks. *Polar Biology* 2013; **36** : 761–766.

**DREXLER JF, CORMAN VM, MULLER MA, LUKASHEV AN, GMYL A, COUTARD B, ADAMS A, RITZ D, RITZ D, LEIJTEN LM, MATTHEE S.** Evidence for Novel Hepaciviruses in Rodents. *PLoS Pathogens* 2013; **9** : e1003438.

**DREYER LL, ROETS F, OBERLANDER KC.** Two new *Oxalis* (Oxalidaceae) species from the Richtersveld National Park, South Africa. *Phytotaxa* 2013; **89**(2) : 53-63.

**DREYER LL, ROETS F, OBERLANDER KC.** Two new *Oxalis* species (Oxalidaceae) from the Ai-Ais / Richtersveld Transfrontier Park, South Africa. *Blumea* 2013; **57** : 229–235.

**DU TOIT N, JANSEN VAN VUUREN B, MATTHEE S, MATTHEE CA.** Biogeography and host-related factors trump parasite life history: limited congruence among the genetic structures of specific ectoparasitic lice and their rodent hosts. *Molecular Ecology* 2013; **22** : 5185–5204.

**DU TOIT N, MATTHEE S, MATTHEE CA.** The sympatric occurrence of two genetically divergent lineages of sucking louse, *Polyplax arvicanthus* (phthiraptera: Anoplura), on the four-striped mouse genus, *Rhabdomys* (Rodentia: Muridae). *Parasitology* 2013; **140** : 604-616.

**EDWARDS S, BRANCH WR, VANHOOYDONCK B, HERREL A, MEASEY GJ, TOLLEY KA.** Taxonomic adjustments in the systematics of the southern African lacertid lizards (Sauria: Lacertidae). *Zootaxa* 2013; **3669** : 101–114.

**EDWARDS S, TOLLEY KA, VANHOOYDONCK B, MEASEY GJ, HERREL A.** Is dietary niche breadth linked to morphology and performance in Sandveld lizards *Nucras* (Sauria: Lacertidae)? *Biological Journal of the Linnean Society* 2013; **110** : 674–688.

**ENGLBRECHT HM, VAN NIEKERK A, HEIDEMAN NJL, DANIELS SR.** Tracking the impact of Pliocene/ Pleistocene sea level and climatic oscillations on the cladogenesis of the Cape legless skink, *Acontias meleagris* species complex, in South Africa. *Journal of Biogeography* 2013; **40** : 492–506.

**FATH BD, SCHARLER UM, BAIRD D.** Dependence of network metrics on model aggregation and throughflow calculations: Demonstration using the Sylt–Rømø Bight Ecosystem. *Ecological Modelling* 2013; **252** : 214– 219.

**FAWOLE OA, MAKUNGA NP, OPARA UL.** Antibacterial, antioxidant and tyrosinase-inhibition activities of pomegranate fruit peel methanolic extract. *BMC Complementary and Alternative Medicine* 2012; **12** : 200-211.

**GEERTS S, BOTHA PW, VISSER V, RICHARDSON DM, WILSON JRU.** Montpellier broom (*Genista monspessulana*) and Spanish broom (*Spartium junceum*) in South Africa: An assessment of invasiveness and options for management. *South African Journal of Botany* 2013; **87** : 134–145.

**GEERTS S, MOODLEY D, GAERTNER M, LE ROUX JJ, MCGEOCH MA, MUOFHE C, RICHARDSON DM, WILSON JRU.** The absence of fire can cause a lag phase: The invasion dynamics of *Banksia ericifolia* (Proteaceae). *Austral Ecology* 2013; **38** : 931-941.

**GIBSON MR, PAUW A, RICHARDSON DM.** Decreased insect visitation to a native species caused by an invasive tree in the Cape Floristic Region. *Biological Conservation* 2013; **157** : 196–203.

**GILIOME JH.** Entomology in South Africa: Where do we come from, where are we now and where are we going?. *South African Journal of Science* 2013; **109**(1/2) : 19-21.

**GIPPOLITI S, COTTERILL FPD, GROVES CP.** Mammal taxonomy without taxonomists: a reply to Zachos and Lovari. *HSTRIX-Italian Journal of Mammalogy* 2013; **24** : 145-147.

**HAUKKA AK, DREYER LL, ESLER KJ.** Effect of soil type and climatic conditions on the growth and flowering phenology of three *Oxalis* species in the Western Cape, South Africa. *South African Journal of Botany* 2013; **88** : 152-163.

**HERREL A, TOLLEY KA, MEASEY GJ, DA SILVA JM, POTGIETER DF, BOLLER E, BOISTEL R, VANHOOYDONCK B.** Slow but tenacious: an analysis of running and gripping performance in chameleons. *Journal of Experimental Biology* 2013; **216** : 1025-1030.

**HILL MP, CHOWN SL, HOFFMANN AA.** A predicted niche shift corresponds with increased thermal resistance in an invasive mite, *Halotydeus destructor*. *Global Ecology and Biogeography* 2013; **22** : 942–951.

- HITCHCOCK AN, OLIVER EGH, THOMAS V.** *Erica verticillata* Ericaceae. *Flowering Plants of Africa (The Flowering Plants of South Africa)* 2013; **63** : 104–119.
- HOFFMANN AA, CHOWN SL, CLUSELLA-TRULLAS S.** Upper thermal limits in terrestrial ectotherms: how constrained are they?. *Functional Ecology* 2013; **27** : 934–949.
- HORAK J, HUI C, ROURA-PASCUAL N, ROMPORTL D.** Changing roles of propagule, climate, and land use during extralimital colonization of a rose chafer beetle. *Naturwissenschaften* 2013; **100** : 327–336.
- HUI C, RICHARDSON DM, PYŠEK P, LE ROUX JJ, KUCERA T, JAROŠÍK V.** Increasing functional modularity with residence time in the co-distribution of native and introduced vascular plants. *Nature Communications* 2013; **4** : 2454.
- IMPSON ND, VAN WILGEN BW, WEYL OLF.** Coordinated approaches to rehabilitating a river ecosystem invaded by alien plants and fish. *South African Journal of Science* 2013; **109**(11/12) : Art.#a0041.
- ITHETE NL, STOFFBERG S, CORMAN VM, COTTONTAIL VM, RICHARDS LR, SCHOEMAN MC, DROSTEN C, DREXLER JF, PREISER W.** Close relative of Human Middle East respiratory syndrome Coronavirus in Bat, South Africa. *Emerging Infectious Diseases* 2013; **19**(10) : 1697-1699.
- KARSTEN M, JANSEN VAN VUUREN B, BARNAUD A, TERBLANCHE JS.** Population Genetics of *Ceratitidis capitata* in South Africa: Implications for Dispersal and Pest Management. *PLoS ONE* 2013; **8**(1) : e54281.
- KATZ EM, TOLLEY KA, ALTWEGG R.** Survival and abundance of Cape dwarf chameleons, *Bradypodion pumilum*, inhabiting a transformed, semi-urban wetland. *Herpetological Journal* 2013; **23** : 179–186.
- KAYAALP P, SCHWARZ MP, STEVENS MI.** Rapid diversification in Australia and two dispersals out of Australia in the globally distributed bee genus, *Hylaeus* (Colletidae: Hylaeinae). *Molecular Phylogenetics and Evolution* 2013; **66** : 668–678.
- KNIGHT LI, NG BL, CHENG W, FU B, YANG F, RAMBAU RV.** Tracking Chromosome Evolution in Southern African Gerbils Using Flow-Sorted Chromosome Paints. *Cytogenetic and Genome Research* 2013; **139** : 267–275.
- KRAAIJ T, COWLING RM, VAN WILGEN BW.** Fire regimes in eastern coastal fynbos: Imperatives and thresholds in managing for diversity. *Koedoe* 2013; **55**(1) : Art.#1104.
- KREJCIKOVA J, SUDOVA R, LUCANOVA M, TRÁVNÍČEK P, URFUS T, VÍT P, WEISS-SCHNEEWEISS H, KOLANO B, OBERLANDER KC, DREYER LL, SUDA J.** High ploidy diversity and distinct patterns of cytotype distribution in a widespread species of *Oxalis* in the Greater Cape Floristic Region. *Annals of Botany* 2013; **111**(4) : 641–649.
- KREJCIKOVA J, SUDOVA R, OBERLANDER KC, DREYER LL, SUDA J.** Cytogeography of *Oxalis pes-caprae* in its native range: where are the pentaploids?. *Biological Invasions* 2013; **15**(6) : 1189–1194.
- KREJCIKOVA J, SUDOVA R, OBERLANDER KC, DREYER LL, SUDA J.** The spatio-ecological segregation of different cytotypes of *Oxalis obtusa* (Oxalidaceae) in contact zones. *South African Journal of Botany* 2013; **88** : 62–68.
- KUEFFER C, PYŠEK P, RICHARDSON DM.** Integrative invasion science: model systems, multi-site studies, focused meta-analysis and invasion syndromes. *New Phytologist* 2013; **200** : 615-633.
- KUMSCHICK S, BACHER S, BLACKBURN TM.** What determines the impact of alien birds and mammals in Europe?. *Biological Invasions* 2013; **15** : 785–797.
- KUMSCHICK S, HUFBAUER RA, ALBA C, BLUMENTHAL DM.** Evolution of fast-growing and more resistant phenotypes in introduced common mullein (*Verbascum thapsus*). *Journal of Ecology* 2013; **101** : 378–387.
- KUMSCHICK S, RICHARDSON DM.** Species-based risk assessments for biological invasions: advances and challenges. *Diversity and Distributions* 2013; **19** : 1095-1105.
- LE ROUX JJ, RICHARDSON DM, WILSON JRU, NDLOVU J.** Human usage in the native range may determine future genetic structure of an invasion: insights from *Acacia pycnantha*. *BMC Ecology* 2013; **13** : 37-46.
- LE ROUX PC, RAMASWIELA T, KALWIJ JM, SHAW JD, RYAN PG, TREASURE AM, MCCLELLAND GTW, MCGEOCH MA, CHOWN SL.** Human activities, propagule pressure and alien plants in the sub-Antarctic: Tests of generalities and evidence in support of management. *Biological Conservation* 2013; **161** : 18–27.
- LE ROUX PC, SHAW JD, CHOWN SL.** Ontogenetic shifts in plant interactions vary with environmental severity and affect population structure. *New Phytologist* 2013; **200** : 241-250.
- LEE JE, LE ROUX PC, MEIKLEJOHN KI, CHOWN SL.** Species distribution modelling in low-interaction environments: Insights from a terrestrial Antarctic system. *Austral Ecology* 2013; **38** : 279–288.

**LEUNG B, ROURA-PASCUAL N, BACHER S, HEIKKILÄ J, BROTONS L, BURGMAN M, DEHNEN-SCHMUTZ K, ESSL F, HULME PE, RICHARDSON DM, SOL D, VILÀ M.** Addressing a critique of the TEASI framework for invasive species risk assessment. *Ecology Letters* 2013; **16** : 1415–e6.

**LEVY A, VON DER HEYDEN S, FLOETER SR, BERNARDI G, ALMADA VC.** Phylogeny of *Parablennius* Miranda Ribeiro, 1915 reveals a paraphyletic genus and recent Indo-Pacific diversification from an Atlantic ancestor. *Molecular Phylogenetics and Evolution* 2013; **67** : 1–8.

**LOTZ CN, CADDICK JA, FORNER M, CHERRY MI.** Beyond just species: Is Africa the most taxonomically diverse bird continent?. *South African Journal of Science* 2013; **109** (5/6) : Art.#0002.

**LYONS CL, COETZEE M, CHOWN SL.** Stable and fluctuating temperature effects on the development rate and survival of two malaria vectors, *Anopheles arabiensis* and *Anopheles funestus*. *Parasites & Vectors* 2013; **6** : 104-113.

**MEASEY GJ, TOLLEY KA.** A molecular phylogeny for sub-Saharan amphisbaenians. *African Journal of Herpetology* 2013; **62** : 100-108.

**MEEK CS, RICHARDSON DM, MUCINA L.** Plant communities along the Eerste River, Western Cape, South Africa: Community descriptions and implications for restoration. *Koedoe* 2013; **55** (1) : Art.#1099.

**MOLES AT, PECO B, WALLIS IR, FOLEY WJ, POORE AGB, SEABLOOM EW, VESK P, BISIGATO AJ, CELLA-PIZARRO L, CLARK CJ, COHEN PS, CORNWELL WK, EDWARDS W, EJRNAS R, GONZALES-OJEDA T, GRAAE BJ, HAY G, LUMBWE FC, VELDTMAN R.** Correlations between physical and chemical defences in plants: tradeoffs, syndromes, or just many different ways to skin a herbivorous cat?. *New Phytologist* 2013; **198** : 252–263.

**MONADJEM A, RICHARDS LR, TAYLOR PJ, DENYS C, DOWER A, STOFFBERG S.** Diversity of Hipposideridae in the Mount Nimba massif, West Africa, and the taxonomic status of *Hipposideros lamottei*. *Acta Chiropterologica* 2013; **15**(2) : 341–352.

**MONADJEM A, RICHARDS LR, TAYLOR PJ, STOFFBERG S.** High diversity of pipistrelloid bats (Vespertilionidae: *Hypsugo*, *Neoromicia*, and *Pipistrellus*) in a West African rainforest with the description of a new species. *Zoological Journal of the Linnean Society* 2013; **167** : 191–207.

**MOODLEY D, GEERTS S, RICHARDSON DM, WILSON JRU.** Different traits determine introduction, naturalization and invasion success in woody plants: Proteaceae as a test case. *PLoS ONE* 2013; **8** : e75078.

**MOORE AE, BLENKINSOP T, COTTERILL FPD.** Dynamic evolution of the Zambezi-Limpopo watershed, Central Zimbabwe. *South African Journal of Geology* 2012; **115** : 551-560.

**MOORE AE, COTTERILL FPD, ECKARDT FD.** The evolution and ages of Makgadikgadi palaeolakes: Consilient evidence from Kalahari drainage evolution south-central Africa. *South African Journal of Geology* 2012; **115** : 385-413.

**MORTIMER PE, LE ROUX MR, PÉREZ-FERNÁNDEZ MA, BENEDITO VA, KLEINERT A, XU J, VALENTINE AJ.** The dual symbiosis between arbuscular mycorrhiza and nitrogen fixing bacteria benefits the growth and nutrition of the woody invasive legume *Acacia cyclops* under nutrient limiting conditions. *Plant and Soil* 2013; **366** : 229–241.

**MÜLLEROVÁ J, PERGL J, PYŠEK P.** Remote sensing as a tool for monitoring plant invasions: Testing the effects of data resolution and image classification approach on the detection of a model plant species *Heracleum mantegazzianum* (giant hogweed). *International Journal of Applied Earth Observation and Geoinformation* 2013; **25** : 55–65.

**NDLOVU J, RICHARDSON DM, WILSON JRU, LE ROUX JJ.** Co-invasion of South African ecosystems by an Australian legume and its rhizobial symbionts. *Journal of Biogeography* 2013; **40** : 1240–1251.

**NDLOVU J, RICHARDSON DM, WILSON JRU, O'LEARY M, LE ROUX JJ.** Elucidating the native sources of an invasive tree species, *Acacia pycnantha*, reveals unexpected native range diversity and structure. *Annals of Botany* 2013; **111** : 895–904.

**NEL JAJ, LOUIT RJ, BRABY R, SOMERS MJ.** Resource dispersion, territory size and group size of black-backed jackals on a desert coast. *Acta Theriologica* 2013; **58** : 189–197.

**NOVOA A, GONZALEZ L, MORAVCOVA L, PYŠEK P.** Constraints to native plant species establishment in coastal dune communities invaded by *Carpobrotus edulis*: Implications for restoration. *Biological Conservation* 2013; **164** : 1–9.

**NYAMUKONDIWA C, WELDON CW, CHOWN SL, LE ROUX PC, TERBLANCHE JS.** Thermal biology, population fluctuations and implications of temperature extremes for the management of two globally significant insect pests. *Journal of Insect Physiology* 2013; **59** : 1199–1211.

**NYANGIWE N, MATTHEE CA, HORAK IG, MATTHEE S.** First record of the pantropical blue tick *Rhipicephalus microplus* in Namibia. *Experimental and Applied Acarology* 2013; **61** : 503-507.

- OLIVIER D, HEINECKEN L, JACKSON S.** Mussel and oyster culture in Saldanha Bay, South Africa: potential for sustainable growth, development and employment creation. *Food Security* 2013; **5** : 251–267.
- PATERSON RA, PRITCHARD DW, DICK JTA, ALEXANDER ME, HATCHER M, DUNN A.** Predator cue studies reveal strong trait-mediated effects in communities despite variation in experimental designs. *Animal Behaviour* 2013; **86** : 1301-1313.
- PAUW A.** Can pollination niches facilitate plant coexistence?. *Trends in Ecology & Evolution* 2013; **28**(1) : 30-37.
- PHIRI EE, DANIELS SR.** Hidden in the highlands: the description and phylogenetic position of a novel endemic freshwater crab species (Potamonautidae : *Potamonautes*) from Zimbabwe. *Invertebrate Systematics* 2013; **27** : 530–539.
- PYŠEK P, HULME PE, MEYERSON LA, SMITH GF, BOATWRIGHT JS, CROUCH NR, FIGUEIREDO E, FOXCROFT LC, JAROŠÍK V, RICHARDSON DM, SUDA J, WILSON JRU.** Hitting the right target: taxonomic challenges for, and of, plant invasions. *Annals of Botany* 2013; **0** : 1-25.
- REINECKE AJ, REINECKE SA.** Hou metaalbesoedeling 'n bedreiging in vir die voortbestaan van seesterre in Valsbaai, Suid-Afrika? . *South African Journal for Science and Technology* 2013; **32**(1) : Art.#394.
- REJMÁNEK M, RICHARDSON DM.** Trees and shrubs as invasive alien species – 2013 update of the global database. *Diversity and Distributions* 2013; **19** : 1093–1094.
- RICHARDSON DM, RICCIARDI A.** Misleading criticisms of invasion science: a field guide. *Diversity and Distributions* 2013; **19** : 1461–1467.
- RICHARDSON DM.** Lessons learned: how can we manage the invasion risk from biofuels? . *Biofuels Bioproducts & Biorefining-Biofpr* 2013; **4** : 455–457.
- RUHBERG H, DANIELS SR.** Morphological assessment supports the recognition of four novel species in the widely distributed velvet worm *Peripatopsis moseleyi sensu lato* (Onychophora : Peripatopsidae). *Invertebrate Systematics* 2013; **27** : 131–145.
- RUSCH UD, MIDGLEY JJ, ANDERSON BC.** Rodent consumption and caching behaviour selects for specific seed traits. *South African Journal of Botany* 2013; **84** : 83-87.
- RUSH U, MIDGLEY JJ, ANDERSON BC.** Competing seed consumers drive the evolution of scatter-hoarding: Why rodents do not put all their seeds in one larder. *African Zoology* 2013; **48** : 152-158.
- RUTHERFORD MC, POWRIE LW.** Impacts of heavy grazing on plant species richness: A comparison across rangeland biomes of South Africa. *South African Journal of Botany* 2013; **87** : 146–156.
- RUWANZA S, GAERTNER M, ESLER KJ, RICHARDSON DM.** Both complete clearing and thinning of invasive trees lead to short-term recovery of native riparian vegetation in the Western Cape, South Africa. *Applied Vegetation Science* 2013; **16** : 193-204.
- RUWANZA S, GAERTNER M, ESLER KJ, RICHARDSON DM.** The effectiveness of active and passive restoration on recovery of indigenous vegetation in riparian zones in the Western Cape, South Africa: A preliminary assessment. *South African Journal of Botany* 2013; **88** : 132-141.
- RUWANZA S, GAERTNER M, RICHARDSON DM, ESLER KJ.** Soil water repellency in riparian systems invaded by *Eucalyptus camaldulensis*: A restoration perspective from the Western Cape Province, South Africa. *Geoderma* 2013; **200-2001** : 9-17.
- SCHNEIDER SA, GILIOME JH, DOOLEY JW, NORMARK BB.** Mutualism between armoured scale insects and ants: new species and observations on a unique trophobiosis (Hemiptera: Diaspididae; Hymenoptera: Formicidae: *Melissotarsus* Emery). *Systematic Entomology* 2013; **38** : 805-817.
- SCHOEMAN MC, COTTERILL FPD, TAYLOR PJ, MONADJEM A.** Using potential distributions to explore environmental correlates of bat species richness in southern Africa: Effects of model selection and taxonomy. *Current Zoology* 2013; **59** : 279-293.
- SCHOOMBIE RE, BOARDMAN L, GROENEWALD B, GLAZIER DS, VAN DAALLEN CE, CLUSELLA-TRULLAS S, TERBLANCHE JS.** High metabolic and water-loss rates in caterpillar aggregations: evidence against the resource-conservation hypothesis. *Journal of Experimental Biology* 2013; **216** : 4321-4325.
- SEGALL M, TOLLEY KA, VANHOODYDONCK B, MEASEY GJ, HERREL A.** Impact of temperature on performance in two species of South African dwarf chameleon, *Bradypodion pumilum* and *B. occidentale*. *Journal of Experimental Biology* 2013; **216** : 3828-3836.
- SEGURA J, FERRETTI L, RAMOS-ONSINS S, CAPILLA L, FARRÉ M, REIS F, OLIVER-BONET M, FERNANDEZ-BELLON H, GARCÍA F, GARCIA-CALDES M, ROBINSON TJ, RUIZ-HERRERA A.** Evolution of recombination in eutherian mammals: insights into mechanisms that affect recombination rates and crossover interference. *Proceedings of the Royal Society B-Biological Sciences* 2013; **280** : 1-10.
- SHARPE LL, HILL A, CHERRY MI.** Individual recognition in a wild cooperative mammal using contact calls. *Animal Behaviour* 2013; **86** : 893-900.

- SHUTTLEWORTH C, MOUTON PLN, VAN NIEKERK A.** Climate and the evolution of group-living behaviour in the armadillo lizard (*Ouroborus cataphractus*). *African Zoology* 2013; **48** : 367–373.
- SPEAR D, FOXCROFT LC, BEZUIDENHOUT H, MCGEOCH MA.** Human population density explains alien species richness in protected areas. *Biological Conservation* 2013; **159** : 137–147.
- STÅNGBERG F, ELLIS AG, ANDERBERG AA.** Evolutionary relationships in *Gorteria*: A re-evaluation. *Taxon* 2013; **62** : 537–549.
- SUDA J, KREJCIKOVA J, SUDOVÁ R, OBERLANDER KC, DREYER LL.** Two new species of *Oxalis* (Oxalidaceae) from the Greater Cape Floristic Region. *Phytotaxa* 2013; **1** : 13–24.
- TERERAI F, GAERTNER M, JACOBS SM, RICHARDSON DM.** *Eucalyptus* invasions in riparian forests: Effects on native vegetation community diversity, stand structure and composition. *Forest Ecology and Management* 2013; **297** : 84–93.
- TOLLEY KA, TOWNSEND TM, VENCES M.** Large-scale phylogeny of chameleons suggests African origins and Eocene diversification. *Proceedings of the Royal Society B-Biological Sciences* 2013; **280** : 1759–1768.
- TREASURE AM, CHOWN SL.** Contingent absences account for range limits but not the local abundance structure of an invasive springtail. *Ecography* 2013; **36** : 146–156.
- TREASURE AM, MOLONEY C, BESTER MN, MCQUAID CD, FINDLAY KP, BEST PB, COWAN DA, DE BRUYN PJN, DORRINGTON RA, FAGERENG A, FRONEMAN PW, GRANTHAM GH, HUNT BPV, MEIKLEJOHN KI, PAKHOMOV E, ROYCHOUDHURY AN, RYAN PG, SMITH VR, CHOWN SL, ANSORGE IJ.** South African research in the Southern Ocean: New opportunities but serious challenges. *South African Journal of Science* 2013; **109**(3/4) : Art. #a009.
- TRUTER JC, VAN WYK JH, OBERHOLSTER PJ, BOTHA A-M.** The impacts of neutralized acid mine drainage contaminated water on the expression of selected endocrine-linked genes in juvenile Mozambique tilapia *Oreochromis mossambicus* exposed *in vivo*. *Ecotoxicology and Environmental Safety* 2013; **100** : 209–217.
- VAN DEN HEUVEL IM, CHERRY MI, KLUMP GM.** Individual identity, song repertoire and duet function in the Crimson-breasted Shrike (*Laniarius atrococcineus*). *Bioacoustics-The International Journal of Animal Sound and Its Recording* 2013; **22** : 1–15.
- VAN HEERDEN J, TAYLOR PJ, VAN HEERDEN CJ.** Genetic differentiation in Horus Chamberlin (Arachnida: Pseudoscorpiones: Olpiidae) as indicated by mitochondrial DNA analysis. *African Zoology* 2013; **48**(2) : 351–358.
- VAN WILGEN BW, MORAN VC, HOFFMANN JH.** Some Perspectives on the Risks and Benefits of Biological Control of Invasive Alien Plants in the Management of Natural Ecosystems. *Environmental Management* 2013; **52** : 531–540.
- VAN WILGEN BW.** Fire management in species-rich Cape fynbos shrublands. *Frontiers in Ecology and the Environment* 2013; **11**(1) : e35–e44.
- VARDIEN W, RICHARDSON DM, FOXCROFT LC, WILSON JRU, LE ROUX JJ.** Management history determines gene flow in a prominent invader. *Ecography* 2013; **36** : 1032–1041.
- VOUA OTOMO P, REINECKE SA, REINECKE AJ.** Combined effects of metal contamination and temperature on the potworm *Enchytraeus doerjesi* (Oligochaeta). *Journal of Applied Toxicology* 2013; **33** : 1520–1524.
- WELDON CW, DANIELS SR, CLUSELLA-TRULLAS S, CHOWN SL.** Metabolic and water loss rates of two cryptic species in the African velvet worm genus *Opisthopatus* (Onychophora). *Journal of Comparative Physiology B-Biochemical Systemic and Environmental Physiology* 2013; **183** : 323–332.
- WESTER P.** Sunbirds hover at flowers of *Salvia* and *Lycium*. *Ostrich* 2013; **84** : 27–32.
- WILSON JRU, IVEY P, MANYAMA P, NÄNNI I.** A new national unit for invasive species detection, assessment and eradication planning. *South African Journal of Science* 2013; **109**(5/6) : Art.#0111.
- WOODFORD DJ, HUI C, RICHARDSON DM, WEYL OLF.** Propagule pressure drives establishment of introduced freshwater fish: quantitative evidence from an irrigation network. *Ecological Applications* 2013; **23** : 1926–1937.
- YUE D, GUO D, HUI C.** Scale dependency of biocapacity and the fallacy of unsustainable development. *Journal of Environmental Management* 2013; **126** : 13–19.
- ZHANG F, HUI C, PAUW A.** Adaptive divergence in Darwin's race: How coevolution can generate trait diversity in a pollination system. *Evolution* 2013; **67** : 548–560.
- ZHAO Z, HUI C, HE DA-HAN, GE F.** Effects of position within wheat field and adjacent habitats on the density and diversity of cereal aphids and their natural enemies. *Biocontrol* 2013; **58** : 765–776.
- ZHAO Z, HUI C, OUYANG F, LIU J-H, GUAN X-Q, HE D-H, GE F.** Effects of inter-annual landscape change on interactions between cereal aphids and their natural enemies. *Basic and Applied Ecology* 2013; **14** : 472–479.



**ZHAO Z, SHI P-J, HUI C, OUYANG F, GE F, LI B-L.** Solving the pitfalls of pitfall trapping: a two-circle method for density estimation of ground-dwelling arthropods. *Methods in Ecology and Evolution* 2013; **4** : 865–871.

**ZONYANE S, VAN VUUREN SF, MAKUNGA NP.** Antimicrobial interactions of Khoi-San poly-herbal remedies with emphasis on the combination; *Agathosma crenulata*, *Dodonaea viscosa* and *Eucalyptus globulus*. *Journal of Ethnopharmacology* 2013; **148** : 144–151.

#### Journal Articles (NON-subsidised)

**BARBOUR JH, MCMENAMIN S, DICK JTA, ALEXANDER ME, CAFFREY J.** Biosecurity measures to reduce secondary spread of the invasive freshwater Asian clam, *Corbicula fluminea* (Müller, 1774). *Management of Biological Invasions* 2013; **4** : 219–230.

**COTTERILL FPD, AUGUSTIN H, MEDICUS R, FOISSNER W.** Conservation of Protists: The Krauthügel Pond in Austria. *Diversity* 2013; **5** : 374-392.

**FOGELL DJ, TOLLEY KA, MEASEY GJ.** Mind the gaps: investigating the cause of the current range disjunction in the Cape Platanna, *Xenopus gilli* (Anura: Pipidae). *PeerJ* 2013; **1** : e166-189.

**GILDENHUYS E, ELLIS AG, CARROLL SP, LE ROUX JJ.** The ecology, biogeography, history and future of two globally important weeds: *Cardiospermum halicacabum* Linn. and *C. grandiflorum* Sw. *NeoBiota* 2013; **19** : 45–65.

**JOHNSON T, GILIOME JH.** Practical problems and their solutions in studying the biology of the mealybug *Paracoccus burnerae* (Brain) (Hemiptera: Pseudococcidae) African Journal of Biotechnology. *African Journal of Biotechnology* 2013; **12** : 3609-3614.

**MACNEIL C, DICK JTA, ALEXANDER ME, DODD JA, RICCIARDI A.** Predators vs. alien: differential biotic resistance to an invasive species by two resident predators. *NeoBiota* 2013; **19** : 1–19.

**MCCLELLAND GTW, COOPER J, CHOWN SL.** Evidence of breeding by diving petrels and storm petrels at Marion Island after the eradication of feral cats. *Ornithological Observations, BirdLife South Africa* 2013; **4** : 90 - 93.

**PLIENINGER T, GAERTNER M, HUI C, HUNTSINGER L.** Does land abandonment decrease species richness and abundance of plants and animals in Mediterranean pastures, arable lands and permanent croplands? *Environmental Evidence* 2013; **2** : 1-7.

#### Proceedings International

**VON DER HEYDEN S, GILDENHUYS E, BERNARDI G, BOWIE RCK.** Fine-scale biogeography: tidal elevation strongly affects population genetic structure and demographic history in intertidal fishes. Workshop on the Biogeography and Phylogeography of Atlantic Fish, Instituto Superior de Psicologia Aplicada, Lisbon, Portugal, *Frontiers in Biogeography* 2013: 29-38.

#### Chapters in Books

**COLLING J, POLLIER J, MAKUNGA NP, GOOSSENS A.** cDNA-AFLP-Based Transcript Profiling for Genome-Wide Expression Analysis of Jasmonate-Treated Plants and Plant Cultures. In *Jasmonate Signaling: Methods and Protocols IN Methods in Molecular Biology Volume 1011*. Eds. A. Goosens and L. Pauwels, Springer, New York, USA, 2013: 287-303.

**FOXCROFT LC, PYŠEK P, RICHARDSON DM, PERGL J, HULME PE.** The bottom line: Impact of alien plant invasions in protected areas. In *Plant Invasions in Protected Areas: Patterns, Problems and Challenges. Invading Nature Series Volume 7*. Eds. Llewellyn C. Foxcroft, Petr Pyšek, David M. Richardson & Piero Genovesi, Springer, Berlin, Germany, 2013: 19-42.

**FOXCROFT LC, RICHARDSON DM, PYŠEK P, GENOVESI P.** Invasive alien plants in protected areas: Threats, opportunities, and the way forward. In *Plant Invasions in Protected Areas: Patterns, Problems and Challenges. Invading Nature Series Volume 7*. Eds. Llewellyn C. Foxcroft, Petr Pyšek, David M. Richardson & Piero Genovesi, Springer, Berlin, Germany, 2013: 621-639.

**FOXCROFT LC, RICHARDSON DM, PYŠEK P, GENOVESI P.** Plant invasions in protected areas: Outlining the issues and creating the links. In *Plant Invasions in Protected Areas: Patterns, Problems and Challenges. Invading Nature Series Volume 7*. Eds. Llewellyn C. Foxcroft, Petr Pyšek, David M. Richardson & Piero Genovesi, Springer, Berlin, Germany, 2013: 3-18.

**HUI C, FOXCROFT LC, RICHARDSON DM, MACFADYEN S.** A cross-scale approach for abundance estimation of invasive alien plants in a large protected area. In *Plant Invasions in Protected Areas: Patterns, Problems and Challenges. Invading Nature Series Volume 7*. Eds. Llewellyn C. Foxcroft, Petr Pyšek, David M. Richardson & Piero Genovesi, Springer, Berlin, Germany, 2013: 73-88.

**LOVERIDGE AJ, NEL JAJ.** *Canis mesomelas* Black-backed Jackal (Silver-backed Jackal). In *Mammals of Africa Volume V Carnivores, Pangolins, Equids and Rhinoceroses* Ed. Jonathan Kingdon and Michael Hoffmann, Bloomsbury, London, United Kingdom, 2013: 39-44.

- MASCARO J, HARRIS JA, LACH L, THOMPSON A, PERRING MP, RICHARDSON DM, ELLIS EC.** Origins of The Novel Ecosystems Concept. In *Novel Ecosystems: Intervening in the New Ecological World Order, First Edition*. Eds. Richard J. Hobbs, Eric S. Higgs and Carol M. Hall, Wiley-Blackwell, Chichester, United Kingdom, 2013: 45-57.
- NEL JAJ, MAAS B.** *Otocyon megalotis* Bat-eared Fox. In *Mammals of Africa Volume V Carnivores, Pangolins, Equids and Rhinoceroses* Ed. Jonathan Kingdon and Michael Hoffmann, Bloomsbury, London, United Kingdom, 2013: 78-81.
- NEL JAJ, SOMERS MJ.** GENUS *Aonyx* Cawless Otters. In *Mammals of Africa Volume V Carnivores, Pangolins, Equids and Rhinoceroses* Ed. Jonathan Kingdon and Michael Hoffmann, Bloomsbury, London, United Kingdom, 2013: 103.
- NEL JAJ, STUART C, STUART T.** *Vulpes chama* Cap Fox ( Silver Fox). In *Mammals of Africa Volume V Carnivores, Pangolins, Equids and Rhinoceroses* Ed. Jonathan Kingdon and Michael Hoffmann, Bloomsbury, London, United Kingdom, 2013: 62-65.
- NEL JAJ.** *Desmodillus auricularis* Cape Short-Tailed Gerbil (Namaqua Gerbil). In *Mammals of Africa Volume III Rodents, Hares and Rabbits* Ed. David Happold, Bloomsbury, London, United Kingdom, 2013: 266-268.
- NEL JAJ.** *Thallomys nigricauda* Black-tailed Acacia Rat (Black-Tailed Thallomys). In *Mammals of Africa Volume III Rodents, Hares and Rabbits* Ed. David Happold, Bloomsbury, London, United Kingdom, 2013: 559-560.
- NEL JAJ.** *Thallomys paedulus* Sundevall's Acacia Rat (Acacia Thallomys). In *Mammals of Africa Volume III Rodents, Hares and Rabbits* Ed. David Happold, Bloomsbury, London, United Kingdom, 2013: 559-560.
- NEL JAJ.** *Zeltomys hildegardeae* Hildegarde's Broad-Headed Mouse (Hildegarde's Zeltomys). In *Mammals of Africa Volume III Rodents, Hares and Rabbits* Ed. David Happold, Bloomsbury, London, United Kingdom, 2013: 568-569.
- NEL JAJ.** *Zeltomys woosnami* Woosnam's Broad-Headed Mouse (Woosnam's Zeltomys). In *Mammals of Africa Volume III Rodents, Hares and Rabbits* Ed. David Happold, Bloomsbury, London, United Kingdom, 2013: 569-571.
- NEL JAJ.** GENUS *Desmodillus* Cape Short-tailed Gerbil. In *Mammals of Africa Volume III Rodents, Hares and Rabbits* Ed. David Happold, Bloomsbury, London, United Kingdom, 2013: 266.
- NEL JAJ.** GENUS *Otocyon* Bat-eared Fox. In *Mammals of Africa Volume V Carnivores, Pangolins, Equids and Rhinoceroses* Ed. Jonathan Kingdon and Michael Hoffmann, Bloomsbury, London, United Kingdom, 2013: 77.
- NEL JAJ.** GENUS *Thamnomys* Thicket Rats. In *Mammals of Africa Volume III Rodents, Hares and Rabbits* Ed. David Happold, Bloomsbury, London, United Kingdom, 2013: 562-563.
- NEL JAJ.** GENUS *Zeltomys* Broad-Headed Mice. In *Mammals of Africa Volume III Rodents, Hares and Rabbits* Ed. David Happold, Bloomsbury, London, United Kingdom, 2013: 567-568.
- OLIVER EGH, CLAËN-BOCKHOFF R.** Bruniaceae. In *Plants of the Greater Cape Floristic Regions 1: The Core Cape Flora Chapter 29*, Strelitzia South African National Biodiversity Institute, Pretoria, South Africa, 2012: 442-448.
- OLIVER EGH.** Erica. In *IN: DA Snijman, Plants of the Greater Cape Floristic Region 2: the Extra Cape flora Chapter 29*, Strelitzia South African National Biodiversity Institute, Pretoria, South Africa, 2013: 371.
- OLIVER EGH.** Erica. In *IN: J. Manning & P. Goldblatt, Plants of the Greater Cape Floristic Region 1: The Core Cape Flora Chapter 29*, Strelitzia South African National Biodiversity Institute, Pretoria, South Africa, 2012: 482-551.
- PAUW A.** Pollination by oil-collecting bees (Rediviva: Melittidae). In *The Cape Orchids: A Regional monograph of the Orchids of the Cape Floristic Region. Volume I*. Eds. William R. Liltved & Steven D. Johnson, Sandstone Editions, Cape Town, South Africa, 2012: 91-99.
- POOL-STANVLIET R, GILIOMEË JH.** A Sustainable Development Model for the Wine Lands of the Western Cape: A case study of the Cape Winelands Biosphere Reserve. In *AfriMab Biosphere Reserves in sub-Saharan Africa: Showcasing sustainable development*, Department of Environmental Affairs & UNESCO, Pretoria, South Africa, 2013: 45-72.
- REJMÁNEK M, RICHARDSON DM.** Plant Invasions and Invasibility of Plant Communities. In *Vegetation Ecology, 2nd Edition*. Eds. van der Maarel, E. & Franklin, J, John Wiley & Sons, Ltd, Oxford, United Kingdom, 2013: 387-424.
- RICHARDSON DM, GAERTNER M.** Plant Invasions as Builders and Shapers of Novel Ecosystems. In *Novel Ecosystems: Intervening in the New Ecological World Order, First Edition*. Eds. Richard J. Hobbs, Eric S. Higgs and Carol M. Hall, Wiley-Blackwell, Chichester, United Kingdom, 2013: 102-114.
- RICHARDSON DM, PYŠEK P.** Plant Invasions. In *Encyclopedia of Biodiversity, 2nd Edition, Volume 6*. Ed. S.A. Levin, Academic Press, Waltham, USA, 2013: 90-102.



**ROETS F, DREYER LL, WINGFIELD MJ, CROUS PW.** The taxonomy and ecology of *Protea*-associated Ophiostomatoid fungi – a review of current knowledge. In *CBS Biodiversity Series 12. The Ophiostomatoid Fungi: Expanding Frontiers*, CBS-KNAW Fungal Biodiversity Centre, Utrecht, Netherlands, 2013: 177-187.

**SOMERS MJ, NEL JAJ.** *Aonyx capensis* African Clawless Otter. In *Mammals of Africa Volume V Carnivores, Pangolins, Equids and Rhinoceroses* Ed. Jonathan Kingdon and Michael Hoffmann, Bloomsbury, London, United Kingdom, 2013: 104-108.

**STOHLGREN TJ, PYŠEK P, KARTESZ J, NISHINO M, PAUCHARD A, WINTER M, PINO J, RICHARDSON DM, WILSON JRU, MURRAY BR, PHILLIPS ML, CELESTI-GRAPOW L, GRAHAM J.** Globalization Effects on Common Plant Species. In *Encyclopedia of Biodiversity, second edition, Volume 3*. Ed. Simon A. Levin, Academic Press Elsevier, New York, USA, 2013: 700-706.

**VALENTINE AJ, MORTIMER PE, KLEINERT A, KANG Y, BENEDITO VA.** Carbon Metabolism and Costs of Arbuscular Mycorrhizal Associations to Host Roots. In *Symbiotic Endophytes. Vol 37*. Ed. Ricardo Aroca, Springer-Verlag Berlin Heidelberg, Berlin, Germany, 2013: 233-252.

**VALENTINE AJ, RUZVIDZO O, KLEINERT A, KANG Y, BENEDITO VA.** Infrared Gas Analysis Technique for the Study of the Regulation of Photosynthetic Responses. In *Methods in Molecular Biology 1016: Cyclic Nucleotide Signaling in Plants, Methods and Protocols*. Ed. Chris Gehring, Humana Press Springer Science & Business Media, New York, USA, 2013: 261-273.

### Research Reports

**VAN WYK JH.** *Thyroid-disrupting activity in the South African aquatic environment*. 2013: 172 pp.

### Doctoral completed

**COETZEE BWT.** *Species assembly patterns and protected area effectiveness in times of change: a focus on African avifauna*. PhD, 2013. 200 pp. Promotor: Chown SL.

**DE JAGER ML.** *Phylogeographic and behavioural variation in a pollinator as a driver of floral divergence in the beetle daisy, *Gorteria diffusa* (Asteraceae)*. PhD, 2013. 200 pp. Promotor: Ellis AG.

**DU TOIT N.** *Phylogeographic structures of *Rhabdomys pumilio* and its associated ectoparasites*. PhD, 2013. 142 pp. Promotor: Matthee CA. Medepromotor: Jansen van Vuuren B, Matthee S.

**EDWARDS S.** *Patterns and processes of adaptation in Lacertid Lizards to environments in Southern Africa*. PhD, 2013. 131 pp. Promotor: Tolley KA. Medepromotor: Mouton PLN.

**JANION C.** *Springtail diversity in the Cape Floristic Region*. PhD, 2013. 321 pp. Promotor: Chown SL. Medepromotor: Bengtsson J, Deharveng L.

**LYONS CL.** *Physiological ecology and the future distributions of two malaria vectors - *Anopheles arabiensis* and *Anopheles funestus**. PhD, 2013. 212 pp. Promotor: Chown SL. Medepromotor: Coetzee M, Terblanche JS.

**MCCLELLAND GTW.** *Ecology of the Black-faced Sheathbill on Marion Island*. PhD, 2013. 307 pp. Promotor: Chown SL. Medepromotor: Altwegg R.

**MOTHAPO NP.** *Effects of biotic resistance and resource availability on the invasion success of the Argentine ant, *Linepithema humile* (Mayr), in the Cape Floristic Region, South Africa*. PhD, 2013. 142 pp. Promotor: Wossler TC.

**MUSARURWA HT.** *Effects of over-expressing *AgGPPS2* gene in *Salvia stenophylla* (Burch. ex Benth) on terpenoid biosynthesis*. PhD, 2013. 196 pp. Promotor: Makunga NP.

**MUTEVERI T.** *The effect of Pleistocene climatic changes on the evolutionary history of Southern African intertidal gastropods*. PhD, 2013. 151 pp. Promotor: Matthee CA. Medepromotor: Von der Heyden S.

**NDLOVU J.** *The invasion ecology of *Acacia pygnantha*: A genetic approach*. PhD, 2013. 148 pp. Promotor: Richardson DM. Medepromotor: Wilson JRU.

### Masters completed

**BASSON HC.** *Thermal adaptation in the lizard *Cordylus oelofseni*: physiological and behavioural responses to temperature variation*. MSc, 2013. 55 pp. Studieleier: Clusella-Trullas S.

**DIEDERICKS G.** *Phylogeography of the Cape girdled lizard, *Cordylus cordylus*: investigating biogeographic patterning in the Cape Floristic Region (CFR)*. MSc, 2013. 68 pp. Studieleier: Daniels SR.

**DONALDSON J.** *The invasion ecology of Australian *Acacia* species introduced as ornamental plants to South Africa, with special emphasis on *Acacia elata**. MSc, 2013. 118 pp. Studieleier: Richardson DM. Medestudieleier: Wilson JRU.

**ENGELBRECHT HM.** *Systematics of the Cape legless skink *Acontias meleagris* species complex*. MSc, 2013. 104 pp. Studieleier: Daniels SR. Medestudieleier: Heideman NJL.

**FIGLAN S.** *Generation of clonal microplants and hairy root cultures of the aromatic medicinal plant *Salvia runcinata* L.f.* MSc, 2013. 145 pp. Studieleier: Makunga NP. Medestudieleier: Kossmann J.

- GILDENHUYS E.** *Unravelling taxonomic uncertainties among balloon vine species within the genus *Cardiospermum* using a molecular approach.* MSc, 2013. 113 pp. Studieleier: Le Roux JJ. Medestudieleier: Ellis AG, Carroll SP.
- GROBBELAAR MC.** *Influence of strigolactones and auxin on *Sutherlandia* (*Lessertia*) *frutescens* in vitro plant tissue cultures.* MSc, 2013. 161 pp. Studieleier: Makunga NP. Medestudieleier: Hills PN, Kossmann J.
- GROENEWALD CW.** *Taxonomy and Population Genetics of the Flightless Moth Genus, *Pringleophaga* in the Sub-Antarctic.* MSc, 2013. 113 pp. Studieleier: Jansen van Vuuren B. Medestudieleier: Chown SL.
- KNIGHT LI.** *Genome organization of southern African Gerbils.* MSc, 2013. 98 pp. Studieleier: Rambau RV. Medestudieleier: Robinson TJ.
- MAGADLELA A.** *How do the strains of *Rhizobium* affect the nitrogen metabolism of *Virgilia* trees in phosphorus poor soils?* MSc, 2013. 119 pp. Studieleier: Valentine AJ. Medestudieleier: Dreyer LL.
- MBANYANA NMD.** *Taxonomy, phylogeny and biogeography of seed-harvesting ants in the *Tetramorium solidum*-group (*Hymenoptera: Formicidae*).* MSc, 2013. 113 pp. Studieleier: Le Roux JJ. Medestudieleier: Robertson HG.
- MKARE KT.** *Genetic population structure of *Penaeus monodon*, *Fenneropenaeus indicus* and *Metapenaeus monoceros* in Kenya.* MSc, 2013. 75 pp. Studieleier: Matthee CA. Medestudieleier: Von der Heyden S, Groeneveld JC.
- RAMANTSWANA MT.** *Comparative geographic variation of selected southern African gerbils.* MSc, 2013. 106 pp. Studieleier: Rambau RV. Medestudieleier: Jansen van Vuuren B.
- UKUMADU NM.** *Host associations and pollution response of ciliate epibionts of macroinvertebrates in six rivers in the Western Cape province of South Africa.* MSc, 2013. 137 pp. Studieleier: Picker M. Medestudieleier: Roets F.
- ZONYANE S.** *The antimicrobial interactions of *Agathosma crenulata*, *Dodonaea viscosa* and *Eucalyptus globulus* combination and their chemical profiling.* MSc, 2013. 106 pp. Studieleier: Makunga NP.