

APPENDIX A: Peer reviewed publications - April 2021 to March 2022 (SANParks affiliated authors in bold)

Garden Route National Park

Barnes, R.S.K., 2021. Patterns of seagrass macrobenthic biodiversity in the warm-temperate Knysna estuarine bay, Western Cape: a review. *Aquatic Ecology*, 55(2), pp.327-345.

Bates, A.E., Primack, R.B., Biggar, B.S., Bird, T.J., Clinton, M.E., Command, R.J., Richards, C., Shellard, M., Geraldi, N.R., Vergara, V. and Acevedo-Charry, O., 2021. Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. *Biological conservation*, 263, p.109175.

Fagg, C., Phair, N.L., Claassens, L., Barnes, R.S.K. and von der Heyden, S., 2021. Strengthening the DNA barcode reference library for South African estuarine macrofauna. *African Journal of Marine Science*, 43(1), pp.141-145.

Giddey, B., **Baard, J.A.**, Vhengani, L. and Kraaij, T., 2021. The effect of adjacent vegetation on fire severity in Afrotropical forest along the southern Cape coast of South Africa. *Southern Forests: a Journal of Forest Science*, 83(3), pp.225-230.

Giddey, B.L., **Baard, J.A.** and Kraaij, T., 2022. Verification of the differenced Normalised Burn Ratio (dNBR) as an index of fire severity in Afrotropical Forest. *South African Journal of Botany*, 146, pp.348-353.

Haddad, C.R. and Foord, S.H., 2021. Future climate may limit the spread of the Australian house spider *Badumna longinqua* (Araneae: Desidae) in South Africa. *The Journal of Arachnology*, 49(3), pp.332-339.

Helm, C.W., Cawthra, H.C., Cowling, R.M., De Vynck, J.C., Lockley, M.G., Marean, C.W., Dixon, M.G., Helm, C.J., Stear, W., Thesen, G.H. and Venter, J.A., 2021. Protecting and preserving South African aeolianite surfaces from graffiti. *Koedoe*, 63(1), p.1656.

Roux, D.J., Nel, J.L., **Freitag, S.**, Novellie, P. and Rosenberg, E., 2021. Evaluating and reflecting on coproduction of protected area management plans. *Conservation Science and Practice*, 3(11), p.e542.

Golden Gate Highlands National Park

Adagbasa, E.G. and Mukwada, G., 2022. Mapping vegetation species succession in a mountainous grassland ecosystem using Landsat, ASTER MI, and Sentinel-2 data. *PloS one*, 17(1), p.e0256672.

Daemane, M.E., Ramoelo, A. and Adelabu, S., 2021. The spatial distribution of the woodland communities and their associated environmental drivers in the Golden Gate Highlands National Park, South Africa. *Koedoe*, 63(1), pp.1-9.

Niedbala, W., Hugo-Coetzee, E.A. and Ermilov, S.G., 2021. New faunistic and taxonomic data on ptyctimous mites (Acari, Oribatida) of South Africa. *Systematic and Applied Acarology*, 26(7), pp.1327-1349.

Kgalagadi National Park

Gunner, R.M., Wilson, R.P., Holton, M.D., Hopkins, P., Quintana, F., Gómez-Laich, A., Börger, L., Redcliffe, J., Yoda, K., Yamamoto, T., **Ferreira, S., Govender, D., Viljoen, P., Bruns, A.**, Bell, S.H., Marks, N.J., Bennett, N.C., Tonini, M.H., Duarte, C.M., van Rooyen, M.C., Bertelsen, M.F., Tambling C.J. and Wilson, R.P., 2021. Dead-reckoning animal movements in R: a reappraisal using Gundog. Tracks. *Animal Biotelemetry*, 9(1), pp.1-37.

Gunner, R.M., Wilson, R.P., Holton, M.D., Hopkins, P., Bell, S.H., Marks, N.J., Bennett, N.C., **Ferreira, S., Govender, D., Viljoen, P. and Bruns, A.**, 2022. Decision rules for determining terrestrial movement and the consequences for filtering high-resolution global positioning system tracks: a case study using the African lion (*Panthera leo*). *Journal of the Royal Society Interface*, 19(186), p.20210692

Lekgau, R.J. and Tichaawa, T.M., 2021. Community participation in wildlife tourism in the Kgalagadi Transfrontier Park. *Tourism Review International*, 25(2-3), pp.139-155.

Kruger National Park and Greater Kruger National Park

Abraham, J.O., Goldberg, E.R., **Botha, J.** and Staver, A.C., 2021. Heterogeneity in African savanna elephant distributions and their impacts on trees in Kruger National Park, South Africa. *Ecology and evolution*, 11(10), pp.5624-5634.

Addo-Bediako, A. and Rasifudi, L., 2021. Spatial distribution of heavy metals in the Ga-Selati River of the Olifants River System, South Africa. *Chemistry and Ecology*, 37(5), pp.450-463.

Anthony, B.P., 2021. Paying for the Past: The Importance of Fulfilling Promises as a Key Component to Resolving Human–Wildlife Conflict. *Sustainability*, 13(13), p.7407.

Brinkley, E.R., Weier, S.M., Parker, D.M. and Taylor, P.J., 2021. Three decades later in the northern Kruger National Park: multiple acoustic and capture surveys may underestimate the true local richness of bats based on historical collections. *Hystrix*, 32(2).

Broughton, H., **Govender, D.**, Serrano, E., **Shikwambana, P.** and Jolles, A., 2021. Equal contributions of feline immunodeficiency virus and coinfections to morbidity in African lions. *International Journal for Parasitology: Parasites and Wildlife*, 16, pp.83-94.

Burnett, M.J., O'Brien, G.C., Sonamzi, B., Wepener, V. and Downs, C.T., 2022. Temporal movement of free-swimming fishes and their response to environmental variables in some of the rivers of Kruger National Park, South Africa. *Environmental Biology of Fishes*, 105(1), pp.19-35.

Buss, P., Miller, M., Fuller, A., Haw, A., Thulson, E., Olea-Popelka, F. and Meyer, L., 2022. Effect of Azaperone on Induction Times in Etorphine-Immobilized White Rhinoceros (*Ceratotherium simum*). *Journal of Wildlife Diseases*, 58(1), pp.245-247.

Clemen, T., Lenfers, U.A., Dybulla, J., **Ferreira, S.M.**, Kiker, G.A., Martens, C. and Scheiter, S., 2021. A cross-scale modeling framework for decision support on elephant management in Kruger National Park, South Africa. *Ecological Informatics*, 62, p.101266.

Crossey, B., Chimimba, C., du Plessis, C., Ganswindt, A. and Hall, G., 2021. African wild dogs (*Lycaon pictus*) show differences in diet composition across landscape types in Kruger National Park, South Africa. *Journal of Mammalogy*, 102(5), pp.1211-1221.

Dalton, D.L., Pretorius, C., de Klerk-Lorist, L.M., Reininghaus, B., **Buss, P.** and Mitchell, E.P., 2022. Absence of 2899C< T Mutation in the WNK4 Gene in a Free-Ranging Lion (*Panthera leo*) with Polymyopathy. *Animals*, 12(3), p.389.

Das, A.A., Thaker, M., **Coetsee, C.**, Slotow, R. and Vanak, A.T., 2022. The importance of history in understanding large tree mortality in African savannas. *Ecography*, 2022(1), e06012.

Diaz, S.G., DeAngelis, D.L., Gaines, M.S., Purdon, A., Mole, M.A. and van Aarde, R.J., 2021. Development and validation of a spatially-explicit agent-based model for space utilization by African savanna elephants (*Loxodonta africana*) based on determinants of movement. *Ecological Modelling*, 447, p.109499.

Donnelly, K.A., Miller, M.A., Grobler, D., **Buss, P.**, Van Niekerk, C., Kleynhans, L., Kerr, T.J. and Citino, S.B., 2021. Serological evidence of *Coxiella burnetii* infection in the white rhinoceros (*Ceratotherium simum*) in South Africa. *Journal of Zoo and Wildlife Medicine*, 52(2), pp.573-579.

D'Souza, M.L., Van der Bank, M., Shongwe, Z., Rattray, R.D., Stewart, R., Van Rooyen, J., **Govender, D.** and Hebert, P.D., 2021. Biodiversity baselines: Tracking insects in Kruger National Park with DNA barcodes. *Biological Conservation*, 256, p.109034.

Epps, C.W., Weldy, M.J., Crowhurst, R.S. and Spaan, R.S., 2021. Estimating the distribution and habitat suitability for armadillos (*Oryzomys afer*) in Kruger National Park, South Africa. *African Journal of Ecology*, 59(4), pp.854-865.

Ferreira, S.M. and **Dziba, L.**, 2021. Where are rhinos safest? *South African Journal of Science*, 117(9-10), pp.1-3.

Ferreira, S.M., **Greaver, C.**, **Simms, C.** and **Dziba, L.**, 2021. The impact of COVID-19 government responses on rhinoceroses in Kruger National Park. *African Journal of Wildlife Research*, 51(1), pp.100-110.

Ferreira, S.M. and **Viljoen, P.**, 2022. African large carnivore population changes in response to a drought. *African Journal of Wildlife Research*, 52(1), pp.1-11.

Gokool, S., Moody, J.E., Nippert, J., Swemmer, A., Chetty, K.T., Magombeyi, M. and **Riddell, E.S.**, 2021. A preliminary evaluation of ecohydrological separation in a semi-arid riparian area. *Ecology & Hydrobiology*, 21(2), pp.271-279.

Goosen, W.J., Kleynhans, L., Kerr, T.J., van Helden, P.D., **Buss, P.**, Warren, R.M. and Miller, M.A., 2022. Improved detection of *Mycobacterium tuberculosis* and *M. bovis* in African wildlife samples using cationic peptide decontamination and mycobacterial culture supplementation. *Journal of Veterinary Diagnostic Investigation*, 34(1), pp.61-67.

Grace, J.F., Miller, M.A., Raath, J.P., Laubscher, L.L., **Buss, P.E.** and Zeiler, G.E., 2021. Immobilization of African buffaloes (*Syncerus caffer*) using etorphine–midazolam compared with etorphine–azaperone. *Veterinary Anaesthesia and Analgesia*, 48(5), pp.734-744.

Gumbo, R., Crockett, E., Goosen, W.J., Warren, R.M., van Helden, P.D., Miller, M.A. and Kerr, T.J., 2021. Cytokine-release assay for the detection of *Mycobacterium bovis* infection in cheetah (*Acinonyx jubatus*). *Journal of Zoo and Wildlife Medicine*, 52(4), pp.1113-1122.

Heckel, K., Urban, M., Bouffard, J.S., Baade, J., Boucher, P., Davies, A., Hockridge, E.G., Lück, W., Ziemer, J., **Smit, I.** and Jacobs, B., 2021. The first sub-meter resolution digital elevation model of the Kruger National Park, South Africa. *Koedoe*, 63(1), p.13.

Hejda, M., Čuda, J., Pyšková, K., **Zambatis, G., Foxcroft, L.C.**, MacFadyen, S., Storch, D., Tropek, R. and Pyšek, P., 2022. Water availability, bedrock, disturbance by herbivores, and climate determine plant diversity in South-African savanna. *Scientific reports*, 12(1), pp.1-19.

Horak, I.G., Boomker, J., Junker, K. and Gallivan, G.J., 2021. Some gastrointestinal nematodes and ixodid ticks shared by several wildlife species in the Kruger National Park, South Africa. *Parasitology*, 148(6), pp.740-746.

Janecke, B.B., 2021. Mammal Species Richness at a Catena and Nearby Waterholes during a Drought, Kruger National Park, South Africa. *Diversity*, 13(8), p.387.

Jolles, A., Gorsich, E., Gubbins, S., Beechler, B., **Buss, P.**, Juleff, N., de Klerk-Lorist, L.M., Maree, F., Perez-Martin, E., van Schalkwyk, O.L. and Scott, K., 2021. Endemic persistence of a highly contagious pathogen: Foot-and-mouth disease in its wildlife host. *Science*, 374(6563), pp.104-109.

Kaszta, Ž., Cushman, S.A. and Slotow, R., 2021. Temporal Non-stationarity of Path-Selection Movement Models and Connectivity: An Example of African Elephants in Kruger National Park. *Frontiers in Ecology and Evolution*, 9, p.207.

Lazarus, D.D., Opperman, P.A., Sirdar, M.M., Wolf, T.E., Van Wyk, I., Rikhotso, O.B. and Fosgate, G.T., 2021. Improving foot-and-mouth disease control through the evaluation of goat movement patterns within the FMD protection zone of South Africa. *Small Ruminant Research*, 201, p.106448.

le Roex, N. and Ferreira, S.M., 2021. Rhino birth recovery and resilience to drought impact. *African Journal of Ecology*, 59(2), pp.544-547.

Louw, A.S., MacFadyen, S., **Ferreira, S.** and Hui, C., 2021. Elephant population responses to increased density in Kruger National Park. *Koedoe*, 63(1), pp.1-13.

Lunstrum, E., Givá, N., Massé, F., Mate, F. and Jose, P.L., 2021. The rhino horn trade and radical inequality as environmental conflict. *The Journal of Peasant Studies*, pp.1-21.

Mabibibi, M.A., Dube, K. and Thwala, K., 2021. Successes and Challenges in Sustainable Development Goals Localisation for Host Communities around Kruger National Park. *Sustainability*, 13(10), p.5341.

Malherbe, M., McIntyre, T., Hattingh, T.V., Leresche, P.M. and Hausmann, N.S., 2021. Mammal road-type associations in Kruger National Park, South Africa: Common mammals do not avoid tar roads more than dirt roads. *Ecology and evolution*, 11(22), pp.15622-15629.

Marneweck, C.J., van Schalkwyk, O.L., Marneweck, D.G., Beverley, G., Davies-Mostert, H.T. and Parker, D.M., 2021. Reproductive state influences the degree of risk tolerance for a seasonally breeding mesopredator. *Behavioral Ecology*, 32(4), pp.717-727.

Mashele, N.M., Thompson, L.J. and Downs, C.T., 2021. Traditional Health Practitioners' and Other Community Members' Perceptions of Vultures in the Kruger to Canyons Biosphere Region, South Africa. *Journal of Raptor Research*, 55(3), pp.340-358.

Massé, F., Givá, N. and Lunstrum, E., 2021. A feminist political ecology of wildlife crime: The gendered dimensions of a poaching economy and its impacts in Southern Africa. *Geoforum*, 126, pp.205-214.

Matshusa, K., Leonard, L. and Thomas, P., 2021. Challenges of Geotourism in South Africa: A Case Study of the Kruger National Park. *Resources*, 10(11), p.108.

McLoughlin, C.A., **Riddell, E.S., Petersen, R.M. and Venter, J.**, 2021. Adaptive and transformative learning in environmental water management: Implementing the Crocodile River's Ecological Reserve in Kruger National Park, South Africa. *Koedoe*, 63(1), pp.1-19.

Meiring, C., Higgitt, R., Goosen, W., Van Schalkwyk, L., De Klerk-Lorist, L-M., **Buss, P.**, Van Helden, P.D., Parsons, S.D.C., Möller, M. & Miller M., 2021. Shedding of *Mycobacterium bovis* in respiratory secretions of free-ranging wild dogs (*Lycaon pictus*): Implications for intraspecies transmission, *Transboundary Emerging Diseases*, 68(4), 2581-2588.

Miller, M.A., Kerr, T.J., de Waal, C.R., Goosen, W.J., Streicher, E.M., Hausler, G., **Rossouw, L., Manamela, T.**, van Schalkwyk, L., Kleynhans, L., Warren, R., van Helden P. and **Buss, P.E.** 2021. *Mycobacterium bovis* Infection in Free-Ranging African Elephants. *Emerging Infectious Diseases*, 27(3), p.990.

Mills, A.J., **Strydom, T.** and Allen, J.L., 2021. The chemistry of the pedoderm—part 2: *Dichrostachys cinerea* patches and adjacent grassland in the southern Kruger National Park, South Africa. *African Journal of Range & Forage Science*, pp.1-4.

Mills, A.J., **Strydom, T.**, Allen, J.L. and Baum, J., 2021. Pedoderm chemistry in sodic patches on savannah hillslopes in the southern Kruger National Park, South Africa. *African Journal of Ecology*, 59(4), pp.1070-1074.

Mills, A.J., **Strydom, T.**, Allen, J.L. and Baum, J., 2021. The chemistry of the pedoderm—part 1: grasslands and savannas in the central Kruger National Park, South Africa. *African Journal of Range & Forage Science*, pp.1-6.

Mills, A.J., **Strydom, T.**, Allen, J.L., Baum, J., 2021. The chemistry of the pedoderm – part 3: *Colophospermum mopane* shrublands and woodlands in the central Kruger National Park, South Africa. *African Journal of Range & Forage Science* 1–5.

Mukanjari, S., Ntuli, H. and Muchapondwa, E., 2021. Valuation of nature-based tourism using contingent valuation survey: evidence from South Africa. *Journal of Environmental Economics and Policy*, pp.1-19.

Nasr, M., Meyer, L.C., **Buss, P.**, Fàbregas, M.C., Gleed, R.D., Boesch, J.M. and Pohlin, F., 2021. Muscle tremors observed in white rhinoceroses immobilised with either etorphine-azaperone or etorphine-midazolam: An initial study. *Journal of the South African Veterinary Association*, 92(1), pp.1-3.

Neiffer, D., Hewlett, J., **Buss, P., Rossouw, L.**, Hausler, G., deKlerk-Lorist, L.M., Roos, E., Olea-Popelka, F., Lubisi, B., Heath, L. and Miller, M., 2021. Antibody prevalence to african swine fever virus, *Mycobacterium bovis*, foot-and-mouth disease virus, rift valley fever virus, influenza a virus, and brucella and leptospira spp. in free-ranging warthog (*Phacochoerus africanus*) populations in South Africa. *Journal of Wildlife Diseases*, 57(1), pp.60-70.

Netherlands, E.C., Stroebel, C., du Preez, L.H., Shabangu, N., Matjila, P.T., van Schalkwyk, O.L. and Penzhorn, B.L., 2021. Molecular confirmation of high prevalence of species of Hepatozoon infection in free-ranging African wild dogs (*Lycaon pictus*) in the Kruger National Park, South Africa. *International Journal for Parasitology: Parasites and Wildlife*, 14, pp.335-340.

Nhleko, Z.N., Ahrens, R., **Ferreira, S.M.** and McCleery, R.A., 2021. Poaching is directly and indirectly driving the decline of South Africa's large population of white rhinos. *Animal Conservation*.

Novoa, A., **Foxcroft, L.C.**, Keet, J.H., Pyšek, P. and Le Roux, J.J., 2021. The invasive cactus *Opuntia stricta* creates fertility islands in African savannas and benefits from those created by native trees. *Scientific reports*, 11(1), pp.1-13.

Peta, F., Sirdar, M.M., Mutowembwa, P.B., Visser, N., Olowoyo, J., Seheri, M., Heath, L. and van Bavel, P., 2021. Evaluation of Potency and Duration of Immunity Elicited by a Multivalent FMD Vaccine for Use in South Africa. *Frontiers in veterinary science*, p.1458.

Rossouw, L., Boshoff, C., Sabeta, C. and Kotzé, J., 2021. A preliminary investigation of exposure to rabies virus in selected wildlife in the Kruger National Park, South Africa. *Koedoe*, 63(1), p.1651.

Sánchez-García, C., Santín, C., Doerr, S.H., **Strydom, T.** and Urbanek, E., 2021. Wildland fire ash enhances short-term CO₂ flux from soil in a Southern African savannah. *Soil Biology and Biochemistry*, 160, p.108334.

Scholtz, R., Donovan, V.M., **Strydom, T.**, Wonkka, C., Kreuter, U.P., Rogers, W.E., Taylor, C., **Smit, I.P.J., Govender, N.**, Trollope, W. and Fogarty, D.T., 2022. High-intensity fire experiments to manage shrub encroachment: lessons learned in South Africa and the United States. *African Journal of Range & Forage Science*, 39(1), pp. 148-159.

Shabangu, N., Penzhorn, B.L., Oosthuizen, M.C., Vorster, I., van Schalkwyk, O.L., Harrison-White, R.F. and Matjila, P.T., 2021. A shared pathogen: *Babesia rossi* in domestic dogs, black-backed jackals (*Canis mesomelas*) and African wild dogs (*Lycaon pictus*) in South Africa. *Veterinary Parasitology*, 291, p.109381.

Shikwambana, P., Taylor, J.C., **Govender, D.** and **Botha, J.**, 2021. Diatom responses to river water quality in the Kruger National Park, South Africa. *Bothalia-African Biodiversity & Conservation*, 51(1), pp.1-11.

Sirdar, M.M., Fosgate, G.T., Blignaut, B., Mampane, L.R., Rikhotso, O.B., Du Plessis, B. and Gummow, B., 2021. Spatial distribution of foot-and-mouth disease (FMD) outbreaks in South Africa (2005–2016). *Tropical Animal Health and Production*, 53(3), pp.1-12.

Smit, N.J., 2021. A smorgasbord of firsts: Taxonomy, morphology, and ecology of parasites in wildlife-Invited papers from the 4th International Congress on Parasites of Wildlife 2021/2022, Kruger National Park, South Africa. *International Journal for Parasitology: Parasites and Wildlife*, 15, p.276.

Steyrer, C., Miller, M., Hewlett, J., **Buss, P.** and Hooijberg, E.H., 2021. Reference Intervals for Hematology and Clinical Chemistry for the African Elephant (*Loxodonta africana*). *Frontiers in Veterinary Science*, 8, p.136.

Thoresen, J., Vermeire, M.L., Venter, Z., Wolfaard, G., Krumins, J.A., Cramer, M. and Hawkins, H.J., 2021. Fire and herbivory shape soil arthropod communities through habitat heterogeneity and nutrient cycling in savannas. *Global Ecology and Conservation*, 25, p.e01413.

Trisos, M.O., Parr, C.L., Davies, A.B., Leitner, M. and February, E.C., 2021. Mammalian herbivore movement into drought refugia has cascading effects on savanna insect communities. *Journal of Animal Ecology*, 90(7), pp. 1753-1763.

van Wilgen, B.W., **Strydom, T.**, **Simms, C.** and **Smit, I.P.J.**, 2022. Research, monitoring, and reflection as a guide to the management of complex ecosystems: The case of fire in the Kruger National Park, South Africa. *Conservation Science and Practice*, p.e12658.y, 90(7), pp.1753-1763.

Vermeire, M.L., Thoresen, J., Lennard, K., Vikram, S., Kirkman, K., Swemmer, A.M., Te Beest, M., Siebert, F., Gordijn, P., Venter, Z. and Brunel, C., 2021. Fire and herbivory drive fungal and bacterial communities through distinct above-and belowground mechanisms. *Science of The Total Environment*, 785, p.147189.

Wardjomto, M.B., Ndlovu, M., Pérez-Rodríguez, A., Pori, T. and Nangammbi, T., 2021. Avian haemosporidia in native and invasive sparrows at an Afrotropical region. *Parasitology Research*, 120(7), pp.2631-2640.

Wielgus, E., Caron, A., Bennitt, E., De Garine-Wichatitsky, M., Cain, B., Fritz, H., Miguel, E., Cornélis, D. and Chamailié-Jammes, S., 2021. Inter-group social behavior, contact patterns and risk for pathogen transmission in Cape buffalo populations. *The Journal of Wildlife Management*, 85(8), pp.1574-1590.

Wigley, B.J., Charles-Dominique, T., Hempson, G.P., Stevens, N., TeBeest, M., Archibald, S., Bond, W.J., Bunney, K., **Coetsee, C.**, Donaldson, J. and Fidelis, A., 2020. A handbook for the standardised sampling of plant functional traits in disturbance-prone ecosystems, with a focus on open ecosystems. *Australian Journal of Botany*, 68(8), pp.473-531.

Wigley-Coetsee, C., Strydom, T., Govender, D., Thompson, D.I., **Govender, N., Botha, J., Simms, C., Manganyi, A.,** Kruger, L., **Venter, J., Greaver, C.** and **Smit, I.P.J.** 2022. Reflecting on research produced after more than 60 years of exclosures in the Kruger National Park. *Koedoe*, 64(1), pp.1-14.

Wolmarans, N.J., Bervoets, L., Gerber, R., Yohannes, Y.B., Nakayama, S.M., Ikenaka, Y., Ishizuka, M., Meire, P., Smit, N.J. and Wepener, V., 2021. Bioaccumulation of DDT and other organochlorine pesticides in amphibians from two conservation areas within malaria risk regions of South Africa. *Chemosphere*, 274, p.129956.

Zaffarano, G.P., de Klerk-Lorist, L.M., Junker, K., Mitchell, E., Bhoora, R.V., Poglayen, G. and **Govender, D.**, 2021. First report of cystic echinococcosis in rhinos: A fertile infection of *Echinococcus equinus* in a Southern white rhinoceros (*Ceratotherium simum simum*) of Kruger National Park, South Africa. *International Journal for Parasitology: Parasites and Wildlife*, 14, pp.260-266.

Zhou, Y., Singh, J., Butnor, J.R., **Coetsee, C.**, Boucher, P.B., Case, M.F., Hockridge, E.G., Davies, A.B. and Staver, A.C., 2022. Limited increases in savanna carbon stocks over decades of fire suppression. *Nature*, 603, pp. 445-449.

Zhou, Y., Tingley, M.W., Case, M.F., **Coetsee, C.**, Kiker, G.A., Scholtz, R., Venter, F.J. and Staver, A.C., 2021. Woody encroachment happens via intensification, not extensification, of species ranges in an African savanna. *Ecological Applications*, 31(8), p.e02437.

Mabungubwe National Park

Huffman, T.N. and Woodborne, S., 2021. New AMS dates for the Middle Iron Age in the Mapungubwe landscape. *South African Journal of Science*, 117(3-4), pp.1-5.

Moffett, A.J., Nyamushosho, R., Bandama, F. and Chirikure, S., 2021. Stringing Together Cowrie Shells in the African Archaeological Record with Special Reference to Southern Africa. *Journal of Archaeological Method and Theory*, pp.1-40.

Ramabulana, E., Kunjeku, E., Slippers, B. and Coetzee, M.P., 2022. Diversity of Endophytes in the Botryosphaeriaceae Differs on Anacardiaceae in Disturbed and Undisturbed Ecosystems in South Africa. *Forests*, 13(2), p.341.

Marakele National Park

Smith, G.F. and Figueiredo, E., 2021. The floristics and phytogeography of *Kalanchoe adans.*(Crassulaceae subfam. Kalanchooideae) in the Waterberg Biosphere Reserve, northern South Africa. *Bradleya*, 2021(39), pp.207-220.

van Staden, P.J., Bredenkamp, G.J., **Bezuidenhout, H.** and Brown, L.R., 2021. A reclassification and description of the Waterberg Mountain vegetation of the Marakele National Park, Limpopo province, South Africa. *Koedoe*, 63(1), p.16.

Meerkat National Park

van der Merwe, H., Milton, S. J., Dean, W. R. J., O'Connor, T. G. and Henschel, J. R., 2021. Developing an environmental research platform in the Karoo at the Square Kilometre Array, South African Journal of Science, 117(11/12).

Mokala National Park

Mills, A.J. and Kellner, K., 2021. The chemistry of the pedoderm—part 4: Grasslands and savannas within Mokala National Park, South Africa. *African Journal of Range & Forage Science*, pp.1-5.

Reinhardt, C.F., Bezuidenhout, H. and Botha, J.M., 2022. Evidence that residues of tebuthiuron herbicide present in soil of Mokala National Park can be phytotoxic to woody and grass species. Koedoe, 64(1), p.9.

Mountain Zebra National Park

Britnell, J.A., Vorster, L. and Shultz, S., 2021. Evidence of infanticide in the Cape mountain zebra (*Equus zebra zebra*). *Behaviour*, 158(11), pp.1043-1055.

Parker, D.M., 2021. Mammals in the mountains: An historical review and updated checklist of the mammals of the Mountain Zebra National Park. *Koedoe*, 63(1), pp.1-10.

Namaqua National Park

Dorchin, N., van Munster, S., Klak, C., Bowie, R.C. and Colville, J.F., 2022. Hidden Diversity—A New Speciose Gall Midge Genus (Diptera: Cecidomyiidae) Associated with Succulent Aizoaceae in South Africa. *Insects*, 13(1), p.75.

Richtersveld National Park

Konje, M., Muoria, P., Wabuye, M., Vetter, S., 2021. Spatio-temporal Variation In Forage Production In A Key Resource Area In Succulent Karoo Rangeland, South Africa. *Researchjournal's Journal Of Ecology*, 8(1), pp. 1-21.

Konje, M.M., Muoria, P.K., Wabuye, E., Griffin, N. and Vetter, S., 2021. Rainfall and Soils, Not Grazing Intensity, Determine the Composition and Productivity of Annual Plants in a Biodiverse Arid Winter Rainfall Region. *Journal of Natural Sciences Research*, 12(10), pp. 35-48

Samuels, M.I., **Masubelele, M.L.**, Cupido, C.F., Swarts, M.B.V., Foster, J., De Wet, G., **Links, A.**, Van Orsdol, K. and Lynes, L.S., 2022. Climate vulnerability and risks to an indigenous community in the arid zone of South Africa. *Journal of Arid Environments*, 199, p.104718.

Table Mountain National Park

Deacon, C. and Samways, M.J., 2021. Urban threats and conservation measures relating to aquatic arthropods on the iconic Table Mountain, South Africa: A review. *Basic and Applied Ecology*, 56, pp.192-212.

Habig, B., Chowdhury, S., Monfort, S.L., Brown, J.L., Swedell, L. and Foerster, S., 2021. Predictors of helminth parasite infection in female chacma baboons (*Papio ursinus*). *International Journal for Parasitology: Parasites and Wildlife*, 14, pp.308-320.

Leighton, G.R., Bishop, J.M., Merondun, J., **Winterton, D.J.**, O’Riain, M.J. and Serieys, L.E., 2021. **Hiding in plain sight: risk mitigation by a cryptic carnivore foraging at the urban edge.** *Animal Conservation*.

Tankwa Karoo National Park

Hallinan, E., 2021. **Landscape-scale perspectives on Stone Age behavioural change from the Tankwa Karoo, South Africa.** *Azania: Archaeological Research in Africa*, 56(3), pp.304-343.

Saaed, M.W., Jacobs, S.M., **Masubelele, M.L.**, Samuels, I.M. and Khomo, L., 2022. Imprint of overgrazing on the soil and vegetation of fertility islands in the degraded succulent Karoo, South Africa. *Land Degradation & Development*, 33(2), pp.379-387.

Seaton, D. and Dube, T., 2021. A new modified spatial approach for monitoring non-perennial river water availability using remote sensing in the Tankwa Karoo, Western Cape, South Africa. *Water SA*, 47(3), pp.338-346.

Multiple Parks

Craig, A.F., Schade-Weskott, M.L., Harris, H.J., Heath, L., Kriel, G.J., de Klerk-Lorist, L.M., van Schalkwyk, L., **Buss, P.**, Trujillo, J.D., Crafford, J.E. and Richt, J.A., 2021. Extension of Sylvatic Circulation of African Swine Fever Virus in Extralimital Warthogs in South Africa. *Frontiers in Veterinary Science*, 8. **(Greater Kruger, Addo Elephant and Mokala National Parks)**

Phophe, P.A. and **Masubelele, M.L.**, 2021. Carbon Footprint Assessment in Nature-Based Conservation Management Estates Using South African National Parks as a Case Study. *Sustainability*, 13(24), p.13969. **(All parks)**

Roux, D.J., Novellie, P., **Smit, I.P.J.**, de Kraker, J., Mc Culloch-Jones, S., **Dziba, L.E.**, **Freitag, S.** and **Pienaar, D.J.**, 2022. Appraising strategic adaptive management as a process of organizational learning. *Journal of Environmental Management*, 301, p.113920. **(All parks)**

Smit, I.P.J., Joubert, M., **Smith, K.**, **van Wilgen, N.**, **Strydom, T.**, **Baard, J.** and **Herbst, M.**, 2021. Fire as friend or foe: The role of scientists in balancing media coverage of fires in National Parks. *African Journal of Range & Forage Science*, pp.1-12. **(Garden Route, Table Mountain and Kruger National Parks)**

Zoeller, K.C., Gurney, G.G. and Cumming, G.S., 2022. The influence of landscape context on the production of cultural ecosystem services. *Landscape Ecology*, 37(3), pp.883-894.

Other (papers authored by SANParks, but not linked to specific park)

Mc Culloch-Jones, S., Novellie, P., **Roux, D.J.** and Currie, B., 2021. Exploring the alignment between the bottom-up and top-down objectives of a landscape-scale conservation initiative. *Environmental Conservation*, 48(4), pp.255-263.

Strydom, T., Nel, J.M., Nel, M., **Petersen, R.M.** and Ramjukadh, C.L., 2021. The use of Radon (Rn222) isotopes to detect groundwater discharge in streams draining Table Mountain Group (TMG) aquifers. *Water SA*, 47(2), pp.194-199.

Walters, D., Kotze, D.C., Rebelo, A., Pretorius, L., Job, N., Lagesse, J.V., **Riddell, E.** and Cowden, C., 2021. Validation of a rapid wetland ecosystem services assessment technique using the Delphi method. *Ecological Indicators*, 125, p.107511.

Meyer, L., Barry, C., Araujo, G., Barnett, A., Brunnschweiler, J.M., Chin, A., Gallagher, A., Healy, T., **Kock, A.**, Newsome, D. and Ponzio, A., 2021. Redefining provisioning in marine wildlife tourism. *Journal of Ecotourism*, pp.1-20.

Sach, F., Fields, L., Chenery, S., Yon, L., Henley, M.D., **Buss, P.**, Dierenfeld, E.S., Langley-Evans, S.C. and Watts, M.J., 2022. Method development to characterise elephant tail hairs by LA-ICP-MS to reflect changes in elemental chemistry. *Environmental Geochemistry and Health*, pp.1-12.

Hill, M.P., Conlong, D., Zachariades, C., Coetzee, J.A., Paterson, I.D., Miller, B.E., **Foxcroft, L.** and Van Der Westhuizen, L., 2021. The role of mass-rearing in weed biological control projects in South Africa. *African Entomology*, 29(3), pp.1030-1044.

Nghiyalwa, H.S., Urban, M., Baade, J., **Smit, I.P.J.**, Ramoelo, A., Mogong, B. and Schullius, C., 2021. Spatio-Temporal Mixed Pixel Analysis of Savanna Ecosystems: A Review. *Remote Sensing*, 13(19), p.3870.

McEvoy, O.K., **Ferreira, S.M.** and Parker, D.M., 2021. The influence of population demographics on lion (*Panthera leo*) growth rates in small, fenced wildlife reserves. *African Journal of Wildlife Research*, 51(1), pp.75-89.

Book chapters

Adams, R.A. and Hayes, M.A., 2021. The Importance of Water Availability to Bats: Climate Warming and Increasing Global Aridity. In *50 Years of Bat Research* (pp. 105-120). Springer, Cham.

Sithole, H. and Tantsi, N., 2021. Ants as Indicators of Terrestrial Ecosystem Rehabilitation Processes. [Online First], IntechOpen, DOI: 10.5772/intechopen.96722. Available from: <https://www.intechopen.com/online-first/ants-as-indicators-of-terrestrial-ecosystem-rehabilitation-processes>