

ONLINE APPENDIX 1

Publications and dissertations/thesis related to KNP Research Supersites (up to July 2020)

Vegetation focus

- Bijl, A., 2012, 'The demography of *Balanites maughamii*: an elephant-dispersed tree', Honours dissertation, University of Cape Town.
- Janecke, B.B., 2020, 'Vegetation structure and spatial heterogeneity in the Granite Supersite, Kruger National Park', *Koedoe* 62(2), a1591. <https://doi.org/10.4102/koedoe.v62i2.1591>
- Theron, E.J., Van Aardt, A.C. & Du Preez, P.J., 2020, 'Vegetation distribution along a granite catena, southern Kruger National Park, South Africa', *Koedoe* 62(2), a1588. <https://doi.org/10.4102/koedoe.v62i2.1588>
- Van Aardt, A.C., Codron, D., Theron, E.J. & Du Preez, P.J., 2020, 'Plant community structure and possible vegetation changes after drought on a granite catena in the Kruger National Park, South Africa', *Koedoe* 62(2), a1585. <https://doi.org/10.4102/koedoe.v62i2.1585>

Remote Sensing focus (many of these relate to plant structure)

- Munyati, C., 2019, 'Comparative performance of regression tree and parametric classification of savannah woody cover on SPOT 6 NAOMI imagery', *Remote Sensing Applications: Society and Environment* 13, 171–182.
- Munyati, C. & Sinthumule, N.I., 2015, 'Assessing woody vegetation cover dynamics in the Kruger National Park, South Africa: linking historical aerial photographs and spot imagery', *2015 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, Milan, Italy, July 23–31, 2015, pp. 4240–4243.
- Munyati, C. & Sinthumule, N.I., 2016, 'Change in woody cover at representative sites in the Kruger National Park, South Africa, based on historical imagery', *SpringerPlus* 5(1), 1417.
- Munyati, C., 2019, 'Comparative performance of regression tree and parametric classification of savannah woody cover on SPOT 6 NAOMI imagery' *Remote Sensing Applications: Society and Environment* 13, 171–182.
- Sinthumule, N.I. & Munyati, C., 2014, 'Quantifying savanna woody cover in the field and on historical imagery: A methodological analysis', *South African Journal of Geomatics* 3(2), 113–127.
- Vaughn, N.R., Asner, G.P., Smit, I.P.J. & Riddell, E.S., 2015, 'Multiple scales of control on the structure and spatial distribution of woody vegetation in African savanna watersheds', *PloS one* 10(12), e0145192.

Vertebrate and invertebrate focus

- Janecke, B.B. & Bolton, J.G., 2020, 'Variation in mammal diversity and habitat affect heterogeneity and processes of a granite catena', *Koedoe* 62(2), a1592. <https://doi.org/10.4102/koedoe.v62i2.1592>
- Loggins, A.A., Monadjem, A., Kruger, L.M., Reichert, B.E. & McCleery, R.A., 2019, 'Vegetation structure shapes small mammal communities in African savannas', *Journal of Mammalogy* 100(4), 1243–4252.
- McCleery, R., Monadjem, A., Baiser, B., Fletcher, R., Vickers, K. & Kruger, L., 2018, 'Animal diversity declines with broad-scale homogenization of canopy cover in African savannas', *Biological Conservation* 226, 54–62.

Note: This is Online Appendix 1 of Smit, I.P.J., 2020, 'Integrating multi-scaled and multidisciplinary studies: A critical reflection on the Kruger National Park research supersites', *Koedoe* 62(2), a1586. <https://doi.org/10.4102/koedoe.v62i2.1586>

Microbial and Fungal focus

- Gryzenhout, M., Duncan Cason, E.D., Vermeulen, M., Kloppers, G.A.E., Bailey, B. & Ghosh, S., 2020, 'Fungal community structure variability between the root rhizosphere and endosphere in a granite catena system in Kruger National Park, South Africa', *Koedoe* 62(2), a1597. <https://doi.org/10.4102/koedoe.v62i2.1597>
- Gryzenhout, M., Vermeulen, M., Pambuka, G. & Jacobs, R., 2020, 'First report of various *Fusarium* species from the Stevenson-Hamilton Supersite granite catena system in the Kruger National Park, South Africa', *Koedoe* 62(2), a1599. <https://doi.org/10.4102/koedoe.v62i2.1599>
- Rughöft, S., Herrmann, M., Lazar, C.S., Cesarz, S., Levick, S.R., Trumbore, S.E. & Küsel, K., 2016, 'Community composition and abundance of bacterial, archaeal and nitrifying populations in savanna soils on contrasting bedrock material in Kruger National Park, South Africa', *Frontiers in microbiology* 7, 1638.
- Sandoval-Denis, M., Swart, W.J. & Crous, P.W., 2018, 'New *Fusarium* species from the Kruger National Park, South Africa', *MycoKeys* 34, 63.

Geology, Soil and Hydrology focus

- Bouwer, D., 2018, 'Integration of soil morphology, chemistry and hydrometry for optimizing hydrological response models', PhD thesis, Department of Soil, Crop and Climate Sciences, University of the Free State.
- Bouwer, D., Le Roux, P.A.L. & Van Tol, J., 2020, 'Identification of hydrogeological flowpaths in Stevenson-Hamilton catena from soil morphological, chemical and hydraulic properties', *Koedoe* 62(2), a1584. <https://doi.org/10.4102/koedoe.v62i2.1584>
- Dippenaar, M.A. & Van Rooy, J.L., 2014, 'Review of engineering, hydrogeological and vadose zone hydrological aspects of the Lanseria Gneiss, Goudplaats-Hout River Gneiss and Nelspruit Suite Granite (South Africa)', *Journal of African Earth Sciences* 91, 12-31.
- Fundisi, D., 2015, 'Hydrological connectivity in selected pristine catchments in the Kruger National Park', MSc dissertation, University of Kwa-Zulu Natal.
- Jumbi, F.T., 2015, 'The influence of scale and parent material on hillslope hydrological processes in Kruger National Park', MSc dissertation, University of Kwa-Zulu Natal.
- Riddell, E.S., Nel, J., Fundisi, D., Jumbi, F., Van Niekerk, A. & Lorentz, S.A., 2014, 'Ephemeral Hydrological Processes in Savannas', Water Research Commission Report, Pretoria.
- Riddell, E.S., Nel, J., Van Tol, J., Fundisi, D., Jumbi, F., Van Niekerk, A., 2020, 'Groundwater-surface water interactions in an ephemeral savanna catchment, Kruger National Park', *Koedoe* 62(2), a1583. <https://doi.org/10.4102/koedoe.v62i2.1583>
- Van Niekerk, A., 2014, 'A spatial-temporal conceptualization of groundwater flow distribution in a granite fractured rock aquifer within the southern supersite research catchment of the Kruger National Park', MSc dissertation, University of the Western Cape.
- Van Rensburg, H.A.M., 2018, 'The influence of weathering on the engineering soil profile: a study of low relief basalts in South Africa', MSc dissertation, University of Pretoria.
- Van Tol, J., Van Zijl, G.M., Riddell, E.S. & Fundisi, D., 2015, 'Application of hydrogeological insights in hydrological modelling of the Stevenson-Hamilton Research Supersite, Kruger National Park, South Africa', *Water SA* 41(4), 525-533.
- Van Tol, J., Julich, S., Bouwer, D. & Riddell, E.S., 2020, 'Hydrological response in a savanna hillslope under different rainfall regimes', *Koedoe* 62(2), a1602. <https://doi.org/10.4102/koedoe.v62i2.1602>
- Van Zijl, G.M., 2013, 'Developing a digital soil mapping protocol for Southern Africa using case studies', PhD dissertation, University of the Free State.
- Van Zijl, G. & Le Roux, P.A.L., 2014, 'Creating a conceptual hydrological soil response map for the Stevenson Hamilton research supersite, Kruger National Park, South Africa', *Water SA* 40(2), 331-336.
- Van Zijl, G.M., Van Tol, J. & Riddell, E.S., 2016, 'Digital soil mapping for hydrological modelling', in G.-L. Zhang, D. Brus, F. Liu, X.-D. Song & P. Lagacherie (eds.), *Digital Soil Mapping Across Paradigms, Scales and Boundaries*, pp. 115-129, Springer, Singapore.

Integrative or multidisciplined focus

- Cullum, C.J., 2015, 'Integrating stream networks and landscape mosaics in a new conceptualisation of savanna landscapes', PhD thesis, University of the Witwatersrand.
- Cullum, C.J. & Rogers, K., 2011, 'A framework for the classification of drainage networks in savanna landscapes', Water Research Commission Report TT498/11.
- Janecke, B.B. & Van Tol, J., 2020, 'Connections between abiotic and biotic components of a granite catena ecosystem in Kruger National Park', *Koedoe* 62(2), a1638. <https://doi.org/10.4102/koedoe.v62i2.1638>
- Janecke, B.B., Van Tol, J., Smit, I.P.J., Van Aardt, A.C., Riddell, E.S., Seaman, M.T. et al., 2020, 'Biotic and abiotic connections on a granitic catena: Framework for multidisciplinary research', *Koedoe* 62(2), a1600. <https://doi.org/10.4102/koedoe.v62i2.1600>
- Smit, I.P.J., 2020, 'Integrating multi-scaled and multidisciplinary studies: A critical reflection on the Kruger National Park research supersites', *Koedoe* 62(2), a1586. <https://doi.org/10.4102/koedoe.v62i2.1586>
- Smit, I.P.J., Riddell, E.S., Cullum, C. & Petersen, R., 2013, 'Kruger National Park research supersites: Establishing long-term research sites for crossdisciplinary, multiscaled learning', *Koedoe* 55(1), Art. #1107, 7 pages.