

## Publication list (academic articles) Dr S L Burrough

### Book Chapters

**Burrough, SL** (2022). The Makgadikgadi Basin. In Eckardt, F (Ed) *Landscapes and Landforms of Botswana, The World Geomorphological Landscapes series, Springer*.

**Burrough SL**, (2016) Late Quaternary environmental change and human occupation of the southern African interior in Jones, S & Stewart B (Eds) *Africa from MIS 6-2: Population Dynamics and Paleoenvironments*. Springer

Thomas DSG and **Burrough SL** (2011) Climatic frameworks: legacies from the past. In Thomas D.S.G. (Ed) *Arid Zone Geomorphology*. 3rd Edition. Wiley, 648 pp.

### Academic Journal Articles

Stone, AS, Bateman, MD, Sanderson, D, **Burrough, SL**, Cutts, R, Cresswell, A (in press) Probing sediment burial age, provenance and geomorphic processes in dryland dunes and lake shorelines using portable luminescence data. *Quaternary Geochronology*

Woor, S., Thomas, DSGT, Durcan, J. **Burrough, SL**, Parton, A. (2023) The aggradation of alluvial fans in response to monsoon variability over the last 300 ka in the central and eastern Hajar Mountains, northern Oman. *Quaternary Science Reviews* 322, 108384

Staurset, S, Coulson, S.D., Mothulatshipi, S., **Burrough, SL**, Nash, D.J., Thomas, D.S.G. (2023) Making points: The Middle Stone Age of the Makgadikgadi Basin, Botswana. *Quaternary Science Reviews* 301, 104288

Staurset, Coulson, Mothulatshipi, Nash, Thomas, **Burrough SL** (2023) Post-depositional disturbance and spatial organization at open-air sites: examples from the Middle Stone Age of the Makgadikgadi Basin. *Quaternary Science Reviews Special Issue*.

Walsh, EV, **Burrough, SL**, Thomas, DSGT (2023) A chronological database assessing the late Quaternary palaeoenvironmental record from fluvial sediments in southwestern Africa. *Earth Science Reviews* 236, 104288

Thomas, **Burrough**, Mothulatshipi, Nash, Coulson, Staurset (2022) Lacustrine geoarchaeology in the central Kalahari: implications for early human engagements in dryland regions. *Quaternary Science Reviews*, 297, 107826

Nash, DJ., Ciborowski, T.J.R., Coulson, S.D., Mothulatshipi, S. Staurset, S., **Burrough, S.L.**, Thomas, D.S.G., (2022) Mapping human mobility in the Makgadikgadi Basin during the Middle Stone Age through multi-site geochemical provenancing of silcrete artefacts. *Quaternary Science Reviews* 297, 107811

**Burrough, SL**, Thomas, Allin, Mothulatshipi, Nash, Coulson, Staurset (2022) Lessons from a lake bed: unpicking palaeo-hydrological change and human landscape use in the southern African interior. *Quaternary Science Reviews* 291, 107662

Coulson, Staurset, Mothulatshipi, Nash, Thomas, **Burrough, SL** (2022) Thriving in the Thirstland: new Stone Age sites from the Middle Kalahari, Botswana. *Quaternary Science Reviews*, 297, 107695

Woor, S, Durcan, JA, **Burrough, SL**, Parton, A, Thomas, DSG. (2022) Evaluating the effectiveness of heavy liquid density separation in isolating K-feldspar grains using alluvial sediments from the Hajar Mountains, Oman. *Quaternary Geochronology* 72, 101368

Walsh, E., Caracciolo, L., Ravida, D., **Burrough, SL**, Thomas, DSG (2022) Holocene fluvial depositional regimes of the Huab River, Skeleton Coast, Namibia. *Earth Surface Processes and Landforms* 47, 7, 1820-1844

Lining, KB, Rowan, AV, Livers, B, Kramer, N, Ruiz-Villanueva, V, Sendrowski, A, **Burrough, SL** (2021) Perspectives on being a field-based geomorphologist during pregnancy and motherhood. *Earth Surface Processes and Landforms* 46, 14, 2767-2772.

Richards, J, **Burrough SL**, Wiggs, G, Hills, T, Thomas, DSG & Moseki, L (2021) Uneven surface moisture as a driver of dune formation on ephemeral lake beds under conditions similar to the present day: A model-based assessment from the Makgadikgadi Basin, northern Botswana. *Earth Surface Processes and Landforms* 46, 15, 3078-3095.

DeCort, G, Chevalier, M, **Burrough, SL**, Chen, C, Harrison, SP (2021) An uncertainty-focused database approach to extract spatiotemporal trends from qualitative and discontinuous lake-status histories. *Quaternary Science Reviews*, 258, 106870

Osypiński, P, **Burrough SL**, Skinner, A, Standzikowski, K (2021). Re-examining the age of the Affad MSA deposits in the middle Nile Valley. *Archaeometry* 63, 6, 1405-1420

**Burrough SL**, Barham, L, Thomas DSG (2019) Implications of a new chronology for the interpretation of the Middle and Later Stone Age of the upper Zambezi Valley. *Journal of Archaeological Science* 23, 376-389

Stone, AE, Bateman, MD, **Burrough, SL**, Garzanti, E, Limonta, M, Radeff, G, Telfer, MW, (2019) Using a portable luminescence reader for rapid age assessment of aeolian sediments for reconstructing dunefield landscape evolution in southern Africa. *Quaternary Geochronology*

Thomas DSG, **Burrough SL** (2016) Luminescence-based dune chronologies in southern Africa: analysis and interpretation of dune database records across the subcontinent. *Quaternary International* 410, pp30-45

Lancaster, N., Bristow, C., Bubenzer, O., **Burrough, SL. et al** (2016) The INQUA Dunes Atlas Chronologic Database. *Quaternary International* 410, pp 3-10

Singarayer JS and **Burrough SL**, (2015) Inter hemispheric dynamics of the African rainbelt during the late Quaternary. *Quaternary Science Reviews* 124, 48-67

**Burrough SL**, Willis KJ; (2015) Ecosystem resilience to late-Holocene climate change in the Upper Zambezi Valley. *The Holocene* 25, 1811-1828

**Burrough SL**, Thomas DSG, Willis KJ (2014) Landscape sensitivity and ecological change in western Zambia. The long-term perspective from a Zambian dambo. *Journal of Quaternary Science* 30 (1), 44-58

**Burrough SL** and Thomas, DSG (2013) Central southern Africa at the time of the African Humid Period: A new analysis of Holocene palaeoenvironmental and palaeoclimate data. *Quaternary Science Reviews* 80, 29-46

Willis KJ, Bennett KD, **Burrough SL**, Macias-Fauria M, Tovar C (2013) Linking long-term perspectives to 21st century management of African landscapes. *Philosophical Transactions of the Royal Society B*, 368 (1625).

**Burrough SL**, Thomas DSG, Bailey RMB, Davies L, (2012) From landform to process: Morphology and formation of lake-bed barchan dunes, Makgadikgadi, Botswana. *Geomorphology* 161-162,1-14

Thomas DSG, **Burrough SL** (2012) Interpreting geo-proxies of late Quaternary climate change in African drylands: implications for understanding environmental and early human behaviour. *Quaternary International*, 253, 5-17

**Burrough SL**, Breman, E and Dodd, C (2012) An insight into past vegetation of the Middle Kalahari Palaeolakes during the late Quaternary. *Journal of Arid Environments* 82, 156-164

Thomas DSG, **Burrough SL** and Parker AG (2012), Extreme events as drivers of early human behaviour in Africa? The case for variability, not catastrophic drought. *Journal of Quaternary Science* 27, 7–12

Telfer MW, Bailey RM, **Burrough SL**, Stone AES, Thomas DSG, Wiggs GSF (2010) Understanding linear dune chronologies: Insights from a simple accumulation model. *Geomorphology*, 120 (3-4), 195-208

**Burrough SL**, Thomas DSG, Singarayer J (2009) Late Quaternary hydrological dynamics in the Middle Kalahari: Forcing and feedbacks. *Earth-Science Reviews* 96, (4), 313-326

**Burrough SL**, Thomas DSG, Bailey, RMB (2009) Mega-Lake in the Kalahari: A Late Pleistocene record of the Palaeolake Makgadikgadi system. *Quaternary Science Reviews* 28, 1392-1411

**Burrough SL**, Thomas DSG (2009) Geomorphological contributions to palaeolimnology on the African continent. *Geomorphology* 103, 285-298

**Burrough SL**, Thomas DSG (2008) Late Quaternary lake-level fluctuations in the Mababe Depression: Middle Kalahari palaeolakes and the role of Zambezi inflows. *Quaternary Research* 69 (3), 388-403

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