



DEPT OF ENVIRONMENTAL SCIENCE

2016 PUBLICATIONS, REPORTS, CONFERENCES

JOURNAL PUBLICATIONS (33)

Boon, R., Cockburn, J., Douwes, E., Govender, N., Ground, N., McLean, C., Roberts, D., Rouget, M. & Slowtow, R. 2016. Managing a threatened savanna ecosystem (KwaZulu-Natal Sandstone Sourveld) in an urban biodiversity hotspot: Durban, South Africa. *Bothalia*, 46(2): 1-12.

Bowker, J.N., De Vos, A., Ament, J.M. & Cumming, G.S. 2016. Effectiveness of Africa's tropical protected areas for maintaining forest cover. *Conservation Biology*. doi:10.1111/cobi.12851.

Aburto, J.A., Gaymer, C.F. & Cundill, G. 2016. Towards local governance of marine resources and ecosystems on Easter Island. *Aquatic Conserv: Mar. Freshw. Ecosyst*. DOI: 10.1002/aqc.2665.

Adam, Y.O. & Shackleton, C.M. 2016. Distribution and use of income from basket and mat crafting: implications for rural livelihoods in the Eastern Cape, South Africa. *Forests, Trees & Livelihoods*, 25: 199-211.

Chelleri, L., Kua, H.W., Sánchez, J.P.R., Nahiduzzaman, K.M. and Thondhlana, G. 2016. Are people responsive to a more sustainable, decentralized and user-driven management of urban metabolism? *Sustainability*. 8(3): 275. <http://www.mdpi.com/2071-1050/8/3/275>

Cockburn, J., M. Rouget, R. Slotow, D. Roberts, R. Boon, E. Douwes, S. O'Donoghue, C. T. Downs, S. Mukherjee, W. Musakwa, O Mutanga, T. Mwabvu, J. Odindi, A. Odindo, Ş. Procheş, S. Ramdhani, J. Ray-Mukherjee, Sershen, M. C. Schoeman, A. J. Smit, E. Wale, and S. Willows-Munro. 2016. How to build science-action partnerships for local land-use planning and management: lessons from Durban, South Africa. *Ecology and Society*, 21(1): 28.

De Vos, A., Cumming, G.S., Cumming, D.H.M., Ament, J.M., Clements, H.S., Grewar, J.D., Maciejewski, K. & Moore, C. 2016. Pathogens, disease and the social-ecological resilience of protected areas. *Ecology and Society*, 21(1): 20.

Gebauer, J., Adam, Y. et al. 2016. Africa's wooden elephant: the baobab tree (*Adansonia digitate* L.) in Sudan and Kenya: a review. *Genet Resour Crop Evol*, DOI 10.1007/s10722-015-0360-1.

Kannan, R., Shackleton, C.M., Krishnan, S. & Uma Shaankar, R. 2016. Can local use assist in controlling invasive alien species in tropical forests? The case of *Lantana camara* in southern India. *Forest Ecology & Management*, 376: 166-173.

Kerr, T.F. & Ruwanza, S. 2016. Does *Eucalyptus grandis* invasion and removal affect soils and vegetation in the Eastern Cape Province, South Africa? *Austral Ecology*, 41:328-338. DOI: 10.1111/aec.12315

Lagesse, J.V. & Thondhlana, G. 2016. The effect of land-use on small mammal diversity inside and outside the Great Fish River Reserve, Eastern Cape, South Africa. *Journal of Arid Environments*, 130: 76-83.

Mtutu, P. & Thondhlana, G. 2016. Encouraging pro-environmental behavior: Energy use and recycling at Rhodes University, South Africa. *Habitat International*, 53: 142-150.

Ncube, K., Shackleton, C.M., Swallow, B.M. & Dassanayake, W. 2016. Impacts of HIV/AIDS on food consumption and wild food use in rural South Africa. *Food Sec*, 8: 1135-1151.

Ndou, E & Ruwanza, S. 2016. Soil and vegetation recovery following alien tree clearing in the Eastern Cape Province of South Africa. *African Journal of Ecology*, 54: 460-470.

Ntshane, B.C. & Gambiza, J. 2016. Habitat assessment for ecosystem services in South Africa. *International Journal of Biodiversity Science, Ecosystem Services & Management*.
<http://dx.doi.org/10.1080/21513732.2016.1217935>

Painter, K., Thondhlana, G. & Kua, H.W. 2016. Food waste generation and potential interventions at Rhodes University, South Africa. *Waste Management*, 56: 491-497.

Rist, L., Shackleton, C., Gadamus, F., Chapin, S., Gowda, C., Steey, S., Kannan, R. & Shaanker, U. 2016. Ecological knowledge among communities, managers and scientists: bridging divergent perspectives to improve forest management outcomes. *Environmental Management*, 57: 798-813.

Ruwanza, R. 2016. Soil seed bank depletion as a mechanism of *Lantana camara* L. invasion. *South African Journal of Plant and Soil*, 33: 303-308.

Ruwanza, S. & Shackleton, C. 2016. Effects of the invasive shrub *Lantana camara* L. on soil properties in the Eastern Cape, South Africa. *Weed Biology and Management*, 16(3): 67-79.
doi:10.1111/wbm.12094.

Ruwanza, S. & Shackleton, C.M. 2016. Allelopathic effects of *Lantana camara* on indigenous forest species in South Africa. *Allelopathy Journal*, 38: 65-76.

Ruwanza, S. & Shackleton, C.M. 2016. Incorporation of environmental issues in South Africa's municipal Integrated Development Plans. *International Journal of Sustainable Development & World Ecology*, 23(1): 28-39.

Sachikonye, M.T., Dalu, T. & Gunter, A. 2016. Sustainable livelihood principles and urban greening in informal settlements in practice: A case of Zandspruit informal settlement, South Africa. *Development Southern Africa*, 33(4): 518–531

Sinasson, G.K.S., Shackleton, C.M., Glèlè Kakaï, R.L. & Sinsin, B. 2016. Forest degradation and invasive species synergistically impact *Mimusops andongensis* (Sapotaceae) in Lama Forest Reserve, Benin. *Biotropica* DOI10.1111/btp.12370

Sitas, N., Reyers, B., Cundill, G., Prozesky, H.E., Nel, J.L. & Esler, K.J. 2016. Fostering collaboration for knowledge and action in disaster management in South Africa. *Current Opinion in Environmental Sustainability*, 19: 94-102.

Shackleton, C.M. 2016. Do indigenous street trees promote more biodiversity than alien ones? Evidence using mistletoes and birds in South Africa. *Forests*, 7, 134 online: doi:10.3390/f7070134.

Shackleton, C., Ruwanza, S., Sinasson Sanni, G., Bennett, S., De Lacy, P., Modipa, R., Mtati, N., Sachikonye, M. and Thondhlana, G. 2016. Unpacking pandora's box: understanding and categorising ecosystem disservices for environmental management and human wellbeing. *Ecosystems*, 19: 587-600.

Shackleton, C. & Shackleton, R. 2016. Knowledge, perceptions and willingness to control designated invasive tree species in urban household gardens in South Africa. *Biol. Invasions*, 18: 1599-1609.

Taylor, C., Cockburn, J., Rouget, M., Ray-Mukherjee, J., Mukherjee, S., Roberts, D., Boon, R., O'Donoghue, S. & Douwes, E. 2016. Evaluating the outcomes and processes of a research-action partnership: The need for continuous reflective evaluation. *Bothalia*, 46(2): 1-16.

Thondhlana, G., Cundill, G. and Kepe, T. 2016. Co-management, land rights and conflicts around South Africa's Silaka Nature Reserve. *Society and Natural Resources*. 9(4): 403-417.

Thondhlana, G. and Kua, H. W. 2016. Household energy intervention through a combination of print media and tailored face-to-face interactions - a case study of Grahamstown, South Africa *Energy*

Policy. *Journal of Cleaner Production*. 131: 327-340
<http://authors.elsevier.com/sd/article/S0959652616304814>

Thondhlana, G., and Belluigi, D. Z. 2016. Students' reception of peer assessment of group-work contributions: Problematics in terms of race and gender emerging from a South African case study. *Assessment and Evaluation in Higher Education*. <http://dx.doi.org/10.1080/02602938.2016.1235133>

Ward, C.D. & Shackleton, C.M. 2016. Natural resource use, incomes and poverty along the rural-urban continuum of two medium-sized South African towns. *World Development*, 78: 80-93.

Wright, O.T., Cundill, G. & Biggs, D. 2016. Stakeholder perceptions of legal trade in rhinoceros horn and implications for private reserve management in the Eastern Cape, South Africa. *Oryx*. <https://doi.org/10.1017/S0030605316000764>

BOOK CONTRIBUTIONS (2)

Shackleton, S. & Cobban, L. 2016. Gender and vulnerability to multiple stressors, including climate change, in rural South Africa. In: Pierce Colfer, C., Basnett, S.B. & Elias, M. (Eds.). *Gender and forests: Climate change, tenure, value chains and emerging issues*. CIFOR. Routledge, New York.

Schreckenber, K., Torres Vitalos, C.A., Willcock, S., Shackleton, C., Harvey, C.A. & Kafumbata, D. 2016. *Participatory data collection for ecosystem services research: a practitioner's manual*. ESPA Working Paper June 0003/2016, ESPA, London. ISSN: 2058-9875.

POLICY BRIEFS AND POPULAR ARTICLES (1)

Shackleton, C.M. 2016. Not seeing the forests for the trees. Non-Wood Forest Product Update July 2016, Issue 8. FAO, Rome. <http://forestry.fao.msgfocus.com/g/1AG2OTAPus/wv>

CONFERENCE PRESENTATIONS (15)

Bolus, C., Powell, M., Crane, W. & du Toit, S. 2016. Jobs for Carbon project: Developing spekboom veld restoration in the Little Karoo. Thicket Forum, 21-23 June, Addo Elephant National park.

Bowker, J.N., De Vos, A., Ament, J.M. & Cumming, G.S. Effectiveness of Africa's tropical protected areas for maintaining forest cover. Conservation Biology. AGU Fall Meeting. San Francisco, USA. 16 December 2016.

Falayi, M. 2016. Rural livelihoods, learning and visioning under a changing climate: An Eastern Cape experience. (Unpublished paper). 2nd Southern African Adaptation Colloquium, University of the Witwatersrand, Johannesburg, South Africa. 07-08 July 2016.

Lunderstedt, K., Shackleton, C. & Powell, M. 2016. A multi-scale approach to understanding severely degraded subtropical thicket in the Eastern Cape, South Africa. (Paper). Annual Thicket Forum, 21-23 June, Addo (South Africa).

Maseko, H. & Shackleton, C.M. 2016. The contribution of wild foods to children's food and nutritional security in different landscapes. (Paper). International food and nutrition research dissemination conference "Food and nutrition security for a healthier and productive nation 'you are what you eat'". 19-20 Oct, Lilongwe (Malawi).

Mjoli, N. & Shackleton C.M. 2016. The potential significance of refugia in safeguarding NTFPs under harvesting. (Paper). 19th annual conference of the Indigenous Plant Use Forum, 4-6 July, Port St Johns (South Africa).

Mpama, N. 2016. Assessing the potential role of micro-organisms in the restoration of thicket environments in Albany Thicket, South Africa. Thicket Forum, 21-23 June, Addo Elephant National park.

Ngorima A. & Shackleton C.M. 2016. Perceptions and livelihood uses of an invasive alien tree (*Acacia dealbata*) by rural communities in the Eastern Cape. (Paper). 51st GSSA congress, 3-8 July, Wilderness (South Africa).

Njwaxu, A. & Shackleton, C.M. 2016. Assessing the implications of forest succession on the abundance of non-timber forest products in the Wild Coast. (Poster). 19th annual conference of the Indigenous Plant Use Forum, 4-6 July, Port St Johns (South Africa).

Norman, Y. 2016. Effects of rooting hormone, stem scarification and time of planting on root biomass in *Portulcaria Afra* cuttings. Thicket Forum, 21-23 June, Addo Elephant National park.

Shackleton, C.M. 2016. Changes and uses of the urban commons of sub-Saharan African towns. (Paper). The Urbis Dialogies Webanir "The urban commons: the many ways in which nature in the city serves as a commons resource, not just a private, state or public good", 14 Jan, online, hosted by ICLEI.

Shackleton, C.M. 2016. Do indigenous street trees promote more biodiversity? Evidence using mistletoes and birds. (Paper). 2nd International conference on Urban Tree Biodiversity, 22-23 Feb, Melbourne (Australia).

Shackleton, C.M., Schlesinger, J. & Drescher, A. 2016. Use of wild biological resources along rural gradients of mid-sized African towns. (Paper). International Rural Africa conference, 25-28 Jan, Copenhagen (Denmark).

Shackleton, S., Scott, D., Palmer, T. and Lotz-Sisitka, H. 2016. Learning about learning: How do we prepare future professionals and researchers for knowledge co-production processes? 2nd Southern African Adaptation Colloquium, 8 -9 July 2016, University of the Witwatersrand, Johannesburg. (Closing paper).

Shackleton, S.E. 2016. Beyond farmers and fields to livelihoods and landscapes: reimagining rural Africa in the Anthropocene. Final Conference 2016. Sustainable Land Management: Challenges and Opportunities. 7-9 March 2016, Berlin. (Keynote address).

Sinasson, G.K.S., Shackleton, C.M., Assogbadjo, A.E. & Sinsin, B. 2016. Local knowledge on the uses, habitat and abundance of multipurpose *Mimusops* species in Benin. (Paper). 57th Annual Conf the Society for Economic Botany, 5-9 June, Pine Mountain (USA).

Published conference proceedings

Presentations & Posters

RESEARCH REPORTS (1)

Bolus, C.A., Powell, M.J. & Ngwenya, M. 2016. *Carbon baseline report for the Jobs-for-Carbon Project*. Rhodes Restoration Research Group, Grahamstown.

DVDs