SCIENCE COMMUNICATIONS No. 49 (July 2021)

Biodiversity and Conservation Science Mission: The provision of up-to-date and scientifically sound information to uphold effective evidence-based conservation of biodiversity and sustainable natural resource management in Western Australia

Science Communications lists titles of publications, reports etc prepared by staff of Biodiversity Science and Conservation. This issue is for the period February-July 2021.

If you require a copy of a **submitted** paper please contact the author. For nearly all other titles a PDF link is included. Any problems with access please contact <u>library@dbca.wa.gov.au</u>

Margaret Byrne Executive Director

Journal Publications

Bateman AM, Erickson TE, Merritt DJ, Veneklaas EJ, Muñoz-Rojas M (2021). Native plant diversity is a stronger driver for soil quality than inorganic amendments in semi-arid post-mining rehabilitation. *Geoderma* **394**: 115001 <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> <u>Journals/081435/081435-394.001.pdf</u>

Birt MJ, Cure K, Wilson S, Newman SJ, Harvey ES, Meekan M et al. [Goetze J] (2021). Isolated reefs support stable fish communities with high abundances of regionally fished species. Ecology and Evolution 11, 4701-4718 <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/081141/081141-11.003.pdf

Bosch NE, Monk J, Goetze J, Wilson S, Babcock RC, Barrett N et al. [Holmes TH] (online). Effects of human footprint and biophysical factors on the bodysize structure of fished marine species. *Conservation Biology* <u>https://library.dbca.wa.gov.au/static/</u> <u>StaffOnly/Journals/080255/080255-35.001.pdf</u>

Brockman G, French C (2021). Pterostylis occulta (Orchidaceae), a new species from the south-west of Western Australia. Nuytsia **32**, 51-54 <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>Journals/080057/080057-32.005.pdf</u>

Brown AP, Phillips RD (2021). Caladenia multiplex (Orchidaceae), a new, sexually deceptive species from the south-west of Western Australia. Nuytsia **32**, 55-58 <u>https://library.dbca.wa.gov.au/static/</u> Journals/080057/080057-32.006.pdf

Buirchell BJ, Brown AP (2021). Eremophila rarissima (Scrophulariaceae), a new rarity from Western Australia. Nuytsia **32**, 63-66 <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>Journals/080057/080057-32.008.pdf</u> Cross AT, Ivanov D, Stevens JC, Sadler R, Zhong H, Lambers H et al. (2021). Nitrogen limitation and calcifuge plant strategies constrain the establishment of native vegetation on magnetite mine tailings. *Plant and Soil* **461**, 181-201 <u>https:// library.dbca.wa.gov.au/static/StaffOnly/ Journals/081184/081184-461.001.pdf</u>

Delnevo N, van Etten EJ, Clemente N, Fogu L, Pavarani E, Byrne M et al. (2020). Pollen adaptation to ant pollination: a case study from the Proteaceae. Annals of Botany **126**, 377-386 <u>https:// library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/081103/081103-126.002.pdf

Hislop M (2021). Interim key to, and composition of, species groups in Western Australian Styphelia. Nuytsia **32**, 29-37 <u>https://library.dbca.wa.gov.au/</u> <u>static/Journals/080057/080057-32.003.pdf</u>

Hislop M (2021). Key to the genera of Ericaceae subfamily Epacridoideae (formerly Epacridaceae) in Western Australia. *Nuytsia* **32**, 25-28 <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>Journals/080057/080057-32.002.pdf</u>

Hoffmann EP, Cavanough KL, Mitchell NJ (2021). Low desiccation and thermal tolerance constrains a terrestrial amphibian to a rare and disappearing microclimate niche. *Conservation Physiology* **9**: coab027 <u>https://library.dbca.wa.gov.au/static/</u> <u>StaffOnly/Journals/081132/081132-09.001.pdf</u>

Hopper SD, Fiedler PL, Yates CJ (2021). Inselberg floristics exemplify the coast to inland OCBIL transition in a global biodiversity hotspot. *Biological Journal of the Linnean Society* **133**, 624-644 <u>https://library.dbca.wa.gov.au/static/StaffOnly/</u> *Journals/080260/080260-133.003.pdf*

Howell LG, Mawson PR, Frankham R, Rodger JC, Upton RMO, Witt RR et al. (online). Integrating biobanking could produce significant cost benefits and minimise inbreeding for Australian amphibian captive breeding programs. *Reproduction, Fertility* and Development <u>https://library.dbca.wa.gov.au/</u> <u>static/StaffOnly/Journals/080522/080522-</u> 33.001.pdf

Huisman JM, D'Archino R, Nelson W, Boo SM, Petrocelli A (2021). Cryptic cryptogam revealed: Hypnea corona (Gigartinales: Cystocloniaceae), a new red algal species described from the Hypnea cornuta complex. Pacific Science **75**, 263-268 <u>https:// library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/082553/082553-75.001.pdf

(Continued from page 1)

Huisman JM, Guiry MD (2021). Recognition of Dichotomaria major (Decaisne) comb. nov. (Rhodophyta, Galaxauraceae) from Timor and Australia, based on Galaxaura major Decaisne. Notulae Algarum **201**, 1-4 <u>https:// library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/081330/081330-201.001.pdf

Latorre B, Moret-Fernández D, Lyons MN, Palacio S (2021). Smartphone-based tension disc infiltrometer for soil hydraulic characterisation. *Journal of Hydrology* **600**: 126551 <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> <u>Journals/081717/081717-600.001.pdf</u>

Lawrie AD, Chaplin J, Pinder A (online). Biology and conservation of the unique and diverse halophilic macroinvertebrates of Australian salt lakes. Marine and Freshwater Research <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> <u>Journals/080327/080327-72.003.pdf</u>

Lohr CA, Nilsson K, Sims C, Dunlop J, Lohr MT (online). Habitat selection by vulnerable golden bandicoots in the arid zone. Ecology and Evolution <u>https://library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/081141/081141-11.006.pdf

Moore HA, Michael DR, Ritchie EG, Dunlop JA, Valentine LE, Hobbs RJ et al. (2021). A rocky heart in a spinifex sea: occurrence of an endangered marsupial predator is multiscale dependent in naturally fragmented landscapes. Landscape Ecology **36**, 1359-1376 <u>https://library.dbca.wa.gov.au/static/</u> <u>StaffOnly/Journals/081181/081181-36.001.pdf</u>

Nge FJ, Thiele KR (2021). Review of the infrageneric classification of *Adenanthos* (Proteaceae): the subsections of *Adenanthos* are polyphyletic. *Nuytsia* **32**, 59-61 <u>https://library.dbca.wa.gov.au/static/</u> Journals/080057/080057-32.007.pdf

Nistelberger HM, Tapper SL, Coates DJ, McArthur SL, Byrne M (2021). As old as the hills: Pliocene palaeogeographical processes influence patterns of genetic structure in the widespread, common shrub Banksia sessilis. Ecology and Evolution 11, 1069-1082 https://library.dbca.wa.gov.au/static/StaffOnly/ Journals/081141/081141-11.004.pdf

Palmer R, Anderson H, Richards B, Craig MD, Gibson LA (2021). Does aerial baiting for controlling feral cats in a heterogeneous landscape confer benefits to a threatened native meso-predator? *PLoS One* **16**: e0251304 <u>https://library.dbca.wa.gov.au/static/ Journals/080292/080292-16.001.pdf</u>

Potter IC, Rose TH, Huisman JM, Hall NG, Denham A, Tweedley JR (2021). Large variations in eutrophication among estuaries reflect massive differences in composition and biomass of macroalgal drift. Marine Pollution Bulletin **167**: 112330 <u>https:// library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/080142/080142-167.001.pdf Rutherford J, Ibrahimi T, Munday T, Markey A, Viezzoli A, Rapiti A et al. (2021). An assessment of water sources for heritage listed organic mound springs in NW Australia using airborne geophysical (electromagnetics and magnetics) and satellite remote sensing methods. *Remote Sensing* **13**: 1288 <u>https://library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/082247/082247-13.002.pdf

Rycken S, Shephard JM, Yeap L, Vaughan-Higgins R, Page M, Dawson R et al. [Mawson PR] (2021). Regional variation in habitat matrix determines movement metrics in Baudin's cockatoos in southwest Western Australia. Wildlife Research **48**, 18-29 <u>https:// library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/080279/080279-48.001.pdf

Scaccabarozzi D (2021). Clever donkey orchids: a misleading advertisement for native bees. For People & Plants 113, 30-33 <u>https://library.dbca.wa.gov.au/</u> static/StaffOnly/Journals/081999/081999-<u>113.002.pdf</u>

Schmölz K, Pinder A, Kuchling G, Gollmann G (online). Evaluating candidate wetlands for the assisted colonization of the western swamp turtle *Pseudemydura umbrina* in a changing climate: macroinvertebrate food resources and turtle diet. Aquatic Conservation: Marine and Freshwater Ecosystems <u>https://library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/081308/081308-31.001.pdf

Skates L (2021). How carnivorous are carnivorous plants? For People & Plants 113, 26-29 <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> <u>Journals/081999/081999-113.001.pdf</u>

Spencer B, Mazanec R, Gibberd M, Zerihun A (2021). Sapling and coppice biomass heritabilities and potential gains from *Eucalyptus polybractea* progeny trials. *Tree Genetics and Genomes* **17**: 15 <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> <u>Journals/081675/081675-17.001.pdf</u>

Steven B, Hyde J, La Reau JC, Brackney DE (2021). The axenic and gnotobiotic mosquito: emerging models for microbiome host interactions. Frontiers in Microbiology 12: 714222 <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> <u>Journals/081315/081315-12.001.pdf</u>

Thavornkanlapachai R, Mills HR, Ottewell K, Friend JA, Kennington WJ (2021). Temporal variation in the genetic composition of an endangered marsupial reflects reintroduction history. *Diversity* **13**: 257 <u>https://library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/081139/081139-11.003.pdf

Thomson DP, Babcock RC, Evans RD, Feng M, Moustaka M, Orr M et al. [Wilson SK] (2021). Coral larval recruitment in north-western Australia predicted by regional and local conditions. Marine Environmental Research **168**: 105318 <u>https:// library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/081561/081561-168.001.pdf

<u>Abstracts</u>

(Continued from page 2)

Townsend RA, Huisman JM (2021). Nomenclatural considerations of names associated with the euglenoid flagellate genera Strombomonas and Trachelomonas (Euglenaceae, Euglenophyceae) in Australia. Notulae Algarum **203**, 1-56 <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/081330/081330-203.001.pdf

Walters SJ, Robinson TP, Byrne M, Wardell-Johnson GW, Nevill P (2021). Association of putatively adaptive genetic variation with climatic variables differs between a parasite and its host. Evolutionary Applications 14, 1732-1746 <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> <u>Journals/081286/081286-14.001.pdf</u>

Ward-Fear G, Brown GP, Pearson D, Shine R (2021). Untangling the influence of biotic and abiotic factors on habitat selection by a tropical rodent. *Scientific Reports* **11**: 12895 <u>https://library.dbca.wa.gov.au/</u> <u>static/StaffOnly/Journals/081220/081220-</u> <u>11.001.pdf</u>

White LC, Thomson VA, West R, Ruykys L, Ottewell K, Kanowski J et al [Byrne M] (2020). Genetic monitoring of the greater stick-nest rat metapopulation for strategic supplementation planning. *Conservation Genetics* **21**, 941-956 <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> <u>Journals/081130/081130-21.003.pdf</u>

Zarco-Perello S, Carroll G, Vanderklift M, Holmes T, Langlois TJ, Wernberg T (2020). Range-extending tropical herbivores increase diversity, intensity and extent of herbivory functions in temperate marine ecosystems. Functional Ecology **34**, 2411-2421 <u>https://library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/081305/081305-34.003.pdf

Books/Chapters

Daw B, Walley T, Keighery G (2020). Bush Tucker Plants of the South-West. Department of Biodiversity, Conservation and Attractions, Western Australia, Bush Books . Department of Biodiversity, Conservation and Attractions, Kensington, WA. 64 p.

Johnston M, Algar D (2020). *Glovebox Guide for Managing Feral Cats*. Centre for Invasive Species Solutions, Canberra. 42 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072567.pdf</u>

Silcock J, Collingwood T, Llorens T, Fensham R (2020). Action Plan for Australia's Imperilled Plants 2020. NESP Threatened Species Recovery Hub, Brisbane. 339 p <u>https://library.dbca.wa.gov.au/</u> <u>static/StaffOnly/072522.pdf</u>

Silcock J, Collingwood T, Llorens T, Fensham R (2021). Action Plan for Australia's Imperilled Plants 2021. NESP Threatened Species Recovery Hub, Brisbane. 342 p <u>https://library.dbca.wa.gov.au/</u> <u>static/FullTextFiles/072563.pdf</u>

Wheeler J, Davis R (2021). Wildflowers of the South Coast. Department of Biodiversity, Conservation and Attractions, Western Australia, Bush Books. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 72 p. Beca G, Palmer B, Valentine L, Erickson T, Hobbs R (2020). Gut-passage time and viability of seeds consumed by Australian marsupials. (POSTER ABSTRACT) In Book of Abstracts: Ecological Society of Australia, 60th Anniversary Conference, 30 November-4 December 2020, 9-10 <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>StaffOnly/072513.002.pdf</u>

Breshears D, Field JP, Law D, Barron-Gafford G, Acuna K, Barnes ML et al. [Ruthrof K] (2020). From chronic warming to acute heat waves: an underappreciated threat for tree mortality? (ABSTRACT) In ESA2020, Ecological Society of America: Harnessing the Ecological Data Revolution, August 3-August 6, 2020, 1-2 <u>https://library.dbca.wa.gov.au/</u> static/FullTextFiles/072569.002.pdf

Byrne M (2021). Genetic analysis confirms the need to split Leptospermum into multiple genera. (ABSTRACT) In Program: Australasian Honey Bee 2021 Research Conference, 29 June-1 July 2021, Perth p. 1 <u>https://library.dbca.wa.gov.au/static/</u> FullTextFiles/072585.pdf

Collett S, Crewe T, Radford I, Cambell H (2020). Sympatric finches use different foraging strategies to overcome resource limitations. (ABSTRACT) In Book of Abstracts: Ecological Society of Australia, 60th Anniversary Conference, 30 November-4 December 2020, 23-24 <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>StaffOnly/072513.003.pdf</u>

Cowan M, Dunlop J, Nimmo D, Turner J, Moore H (2021). Between a rock and a hard place: artificial refuges for endangered northern quolls. PowerPoint presentation at Pilbara Rehabilitation Group Workshop, 16 March 2021. 16 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072540.pdf</u>

Dadzie FA, Moles A, Erickson T, Muñoz-Rojas M (2020). Native microorganisms improve seedling emergence of Acacia inaequilatera but not Triodia epactia during dryland restoration. (ABSTRACT) In Book of Abstracts: Ecological Society of Australia, 60th Anniversary Conference, 30 November-4 December 2020, 26-27 <u>https://</u> library.dbca.wa.gov.au/static/ <u>StaffOnly/072513.004.pdf</u>

Hopkins A, Fontaine J, Brace A, Ruthrof K (2020). Soil fungal responses to the stacked disturbances of drought and wildfire in a Mediterranean-type forest. (ABSTRACT) In Book of Abstracts: Ecological Society of Australia, 60th Anniversary Conference, 30 November-4 December 2020, 51-52 <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>StaffOnly/072513.006.pdf</u>

Knight K (2021). Everything you wanted to know about your State Herbarium. PowerPoint presentation at Mandurah Island Probus Club, 16 June 2021. 22 p <u>https://library.dbca.wa.gov.au/</u> <u>static/FullTextFiles/072570.pdf</u>

(Continued from page 3)

Knight K (2021). Myxomycetes. PowerPoint presentation at Eastern Hills Branch of the Wildflower Society, 23 July 2021. 26 p <u>https:// library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072591.pdf</u>

Knight K (2021). The connection between herbaria and cacti/succulents: a fleshy partnership. PowerPoint presentation at Cactus and Succulent Society of Australia, Melbourne Chapter, Zoom meeting, 26 January 2021. 46 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072509.pdf</u>

Moore C, Beringer J, Prober S, Byrne M, Silberstein R, Macfarlane C et al. (2021). Filling the ecosystem monitoring gaps in TERN: making Western Australian SuperSites more super. (ABSTRACT) In TERN Science Symposium, 5-6 July 2021 Online: Abstracts p. 24 <u>https://library.dbca.wa.gov.au/static/</u> FullTextFiles/072586.001.pdf

Muñoz-Rojas M, Erickson TE, Ooi MKJ, Merritt DJ (2020). Global change impacts on soil microbial diversity and function: implications for soil and ecosystem restoration. (ABSTRACT) In Book of Abstracts: Ecological Society of Australia, 60th Anniversary Conference, 30 November-4 December 2020, 80-81 <u>https://library.dbca.wa.gov.au/static/</u> StaffOnly/072513.007.pdf

Novak P, Hoeksema S (2021). Spatial and temporal variation in PFAS within an urban estuary and accumulation in biota. PowerPoint presentation at Australian Marine Sciences Association Conference, 27 June-2 July 2021, Macquarie University, Sydney. 21 p <u>https://library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072590.a.pdf</u>

Rutherford J (2020). Impending loss of carbon from drying peat wetlands in southwestern Australia. PowerPoint presentation at Society of Wetland Scientists Virtual Meeting, December 1-3, 2020. 12 p <u>https://library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/080940/080940-38.001.001.a.pdf

Rutherford J (2021). Impending loss of carbon from drying wetlands in southwestern Australia. (ABSTRACT) Wetland Science and Practice **38**, 50-51 <u>https://library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/080940/080940-38.001.001.pdf

Skey E, Shaw R, Ottewell K, Spencer P (2020). Landscape genetics and simulation approach to understanding connectivity in small mammals in the Pilbara, WA. (POSTER ABSTRACT) In Book of Abstracts: Ecological Society of Australia, 60th Anniversary Conference, 30 November-4 December 2020, 105-106 <u>https://library.dbca.wa.gov.au/static/</u> StaffOnly/072513.009.pdf

<u>Reports/Chapters</u>

Bougher NL (2021). Fungi of Perth, Western Australia: a visual guide to more than 600 species recorded at Kings Park & Bold Park. Version 5. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 231 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>Confidential/072552.pdf</u> Cowan M, Birch N, Dunlop J (2020). Targeted surveys for northern quolls in the Chichester Ranges 2019: report prepared for Roy Hill Pty Ltd, August 2020. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 38 p <u>https:// library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072543.pdf</u>

Cowan M, Dunlop J (2020). Northern quoll targeted surveys in the Chichester Ranges: a six-year summary: report prepared for Roy Hill Pty Ltd, December 2020. 52 p <u>https://library.dbca.wa.gov.au/</u> <u>static/FullTextFiles/072544.pdf</u>

Davis RA, Carter R, Burbidge AH (online). Report on the first trial of remote camera monitoring for the Abrolhos painted button-quail (*Turnix varius scintillans*). Edith Cowan University, School of Science, Joondalup. 7 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072539.pdf</u>

DBCA (2020). Using remote piloted aircraft (RPA) to collect ground information for image analysis, 2020 edition: a technical guide for different environments in Western Australia. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 42 p <u>https://library.dbca.wa.gov.au/static/</u> FullTextFiles/072547.pdf

D'Cruz E, Raudino H, Waples K (2020). Lalang-garram Joint Management Body tropical inshore jigeedany (dolphin) survey in Lalang-garram marine parks, 10-18 Sept 2020. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 26 p <u>https:// library.dbca.wa.gov.au/static/</u> FullTextFiles/072546.pdf

de Tores PJ (2020). Native fauna response to large scale fox control in the northern jarrah forest of south-west Western Australia: Operation Foxglove. Thesis (Ph.D.) University of New South Wales. 360 p.

Dziminski M, Carpenter F, Cowan M (2021). Occupancy monitoring of fauna at Warralong, 2019. Department of Biodiversity, Conservation and Attractions, Woodvale, WA. 73 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072584.pdf</u>

Elliott C, Lewandrowski W, Turner S, Krauss S, Merritt D, Miller B et al. [Stevens J] (2021). Tetratheca erubescens translocation, annual research report 4 for Mineral Resources Limited, March 2020 to March 2021. Department of Biodiversity, Conservation and Attractions, Kings Park, W.A. 64 p <u>https://library.dbca.wa.gov.au/</u> <u>static/FullTextFiles/072538.pdf</u>

Erickson T (2021). Global Innovation Linkages: final report. Kings Park and Botanic Garden, West Perth. 14 p <u>https://library.dbca.wa.gov.au/static/</u> <u>StaffOnly/072559.pdf</u>

Gibson L (2021). Research update 2021: Subterranean Fauna Research Program: closing the knowledge gaps. Western Australian Biodiversity Science Institute, Perth. 20 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072587.pdf</u>

(Continued from page 4)

Johnston T, Dziminski M, Renwick J (2021). 2020 annual report on the commercial harvest of kangaroos in Western Australia. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 31 p <u>https://library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072524.pdf</u>

Keighery GJ, Keighery BJ, Longman VM, McCreery K, Clarke K (2020). Floristics of reserves and bushland areas on the Dandaragan Plateau (System 6). Part 2, floristics of Chandala and Ioppolo nature reserves. Wildflower Society of Western Australia, Perth. 134 p https://library.dbca.wa.gov.au/static/ StaffOnly/072516.pdf

McCaw L, Tunsell V (comps) (2021). FORESTCHECK: report of progress, jarrah north west ecosystem, 2021. Department of Biodiversity, Conservation and Attractions, Manjimup. 26 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072551.pdf</u>

Pinder A, Felton F, Venarsky M, Cale D, Barrett P (2021). Surveys of waterbirds using the Lake Warden and Lake Gore Ramsar sites in November 2020 and February 2021. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 37 p <u>https://library.dbca.wa.gov.au/static/</u> FullTextFiles/072523.pdf

Seidlitz A (2021). Development and application of survey methods to determine habitat use in relation to forest management and habitat characteristics of the endangered numbat (*Myrmecobius fasciatus*) in the Upper Warren region, Western Australia. Thesis (Ph.D.) Murdoch University, January 2021. 180 p <u>https://library.dbca.wa.gov.au/static/</u> FullTextFiles/926844.pdf

Sims C, Cowen S, Garretson S, Gibson Vega A, Friend T (2021). Monitoring source populations of fauna for the Dirk Hartog Island National Park Ecological Restoration Project, 2020. Department of Biodiversity, Conservation and Attractions, Woodvale, WA. 21 p <u>https://library.dbca.wa.gov.au/static/</u> FullTextFiles/072545.pdf

Subroy V, Barnes M, Monks L, Crawford A, Coates D, Pandit R et al. [Gosper C, Yates C] (2021). Trade-offs and synergies between in situ and ex situ taxa conservation to support practical decision-making: report to the National Environmental Science Programme, Department of Environment, Canberra. Centre for Environmental Economics and Policy, Crawley. 104 p <u>https://library.dbca.wa.gov.au/static/</u> FullTextFiles/072550.pdf

Wayne AF, Read E, Maxwell MA, Ward CG (2021). Breeding patterns for western brush wallaby (Notamacropus irma) in the southern jarrah forest. Department of Biodiversity, Conservation and Attractions, Manjimup, WA. 5 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>FullTextFiles/072564.pdf</u>

<u>Popular (Landscope, Newsletters, Letters, etc.)</u>

Berto B (2021). Fire and sulfuric acid: just another day in the seed lab. For People & Plants **114**, 31-33 <u>https://library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/081999/081999-114.003.pdf

Burbidge A (2021). Threats to nesting tropicbirds. Western Australian Bird Notes **178** p. 7 <u>https://</u> library.dbca.wa.gov.au/static/StaffOnly/ Journals/080290/080290-178.001.pdf

Hampson H, Simpson T, Whiting S, Wilson P (2021). High predation of marine turtle hatchlings near a coastal jetty. Department of Biodiversity, Conservation and Attractions, Western Australia, Information Sheet **104** 2 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>Journals/080525/080525-104.pdf</u>

Huisman J (2021). News from the Western Australian Herbarium. Australasian Systematic Botany Society Newsletter **186** p. 20 <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> <u>Journals/081363/081363-186.001.pdf</u>

James SA (2021). Western Australian Herbarium (PERTH): reconnecting and reimagining Herbaria: recognising the diversity of WA's herbarium volunteers and local floras during National Volunteer Week. Australasian Systematic Botany Society Newsletter 187, 14-15 <u>https://</u> library.dbca.wa.gov.au/static/StaffOnly/ Journals/081363/081363-187.001.pdf

Krauss S (2021). Kings Park summer scholars shine. For People & Plants **114**, 27-30 <u>https://</u> <u>library.dbca.wa.gov.au/static/StaffOnly/</u> <u>Journals/081999/081999-114.002.pdf</u>

Miller R, Merritt D, Miller B, Fontaine J, Enright N (2021). Experimental test of seedling recruitment response to season of fire. Department of Biodiversity, Conservation and Attractions, Western Australia, Information Sheet **105** 2 p <u>https:// library.dbca.wa.gov.au/static/</u> <u>Journals/080525/080525-105.pdf</u>

Parker CM, Davis RW (2020). Plant of the month, August 2020: Coopernookia polygalacea (de Vriese) Carolin. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> <u>Journals/081093/081093-2020.08.pdf</u>

Parker CM, Davis RW (2020). Plant of the month, December 2020: Xerochrysum macranthum (Benth.) Paul G.Wilson. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https://library.dbca.wa.gov.au/static/</u> Journals/081093/081093-2020.12.pdf

Parker CM, Davis RW (2020). Plant of the month, July 2020: Decaisnina angustata (Barlow) Barlow. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https:// library.dbca.wa.gov.au/static/</u> Journals/081093/081093-2020.07.pdf

(Continued from page 5)

Parker CM, Davis RW (2020). Plant of the month, November 2020: Boronia fastigiata Bartl., bushy boronia. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https:// library.dbca.wa.gov.au/static/</u> Journals/081093/081093-2020.11.pdf

Parker CM, Davis RW (2020). Plant of the month, October 2020: Verticordia ovalifolia Meisn. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https:// library.dbca.wa.gov.au/static/</u> Journals/081093/081093-2020.10.pdf

Parker CM, Davis RW (2020). Plant of the month, September 2020: Microcystis aeruginosa (Kütz.) Kütz. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https:// library.dbca.wa.gov.au/static/</u> Journals/081093/081093-2020.09.pdf

Parker CM, Davis RW (2021). Plant of the month, April 2021: Eriochilus dilatatus subsp. multiflorus (Lindl.) Hopper & A.P.Br. white bunny orchid. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https://</u> <u>library.dbca.wa.gov.au/static/</u> Journals/081093/081093-2021.04.pdf

Parker CM, Davis RW (2021). Plant of the month, February 2021: Pilostyles hamiltoniorum C.A.Gardner. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https:// library.dbca.wa.gov.au/static/</u> <u>Journals/081093/081093-2021.02.pdf</u>

Parker CM, Davis RW (2021). Plant of the month, January 2021: Scholtzia involucrata (Endl.) Druce, spiked scholtzia. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https://library.dbca.wa.gov.au/static/</u> Journals/081093/081093-2021.01.pdf

Parker CM, Davis RW (2021). Plant of the month, June 2021: Wurmbea densiflora (Benth.) T.Macfarlane. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https://library.dbca.wa.gov.au/static/</u> Journals/081093/081093-2021.06.pdf

Parker CM, Davis RW (2021). Plant of the month, March 2021: Asteromenia exanimans G.W.Saunders, C.E.Lane, C.W.Schneid. & Kraft. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https://library.dbca.wa.gov.au/</u> <u>static/Journals/081093/081093-2021.03.pdf</u>

Parker CM, Davis RW (2021). Plant of the month, May 2021: Banksia seminuda (A.S.George) Rye. Department of Biodiversity, Conservation and Attractions, Kensington, WA. 2 p <u>https:// library.dbca.wa.gov.au/static/</u> Journals/081093/081093-2021.05.pdf

Sinclair E, Oxenham T, Lewandrowski W (2021). Seagrass science inspires Malgana artist. For People & Plants **114**, 24-26 <u>https://library.dbca.wa.gov.au/</u> <u>static/StaffOnly/Journals/081999/081999-</u> <u>114.001.pdf</u> Sun R, Ottewell K, Byrne M (2021). Genetic relationships of Isoodon bandicoot species in southern and western Australia. Department of Biodiversity, Conservation and Attractions, Western Australia, Information Sheet **103** 2 p <u>https:// library.dbca.wa.gov.au/static/</u> Journals/080525/080525-103.pdf

Tangney R, Miller RG, Enright NJ, Fontaine JB, Merritt DJ, Ooi MKJ et al. [Ruthrof KX, Miller BP] (2020). Seed dormancy interacts with fire seasonality mechanisms (LETTER). Trends in Ecology and Evolution **35**, 1057-1059 <u>https:// library.dbca.wa.gov.au/static/StaffOnly/</u> Journals/080130/080130-35.003.pdf

Trayler K, Cosgrove J (2021). Blooming surprise: toxic algal blooms in Perth rivers. Landscope **36(3)**, 50-52 <u>https://library.dbca.wa.gov.au/static/</u> Journals/080052/080052-36.031.pdf

Wege J (2021). Western Australian Herbarium (PERTH): Ben Anderson returns to Australia. Australasian Systematic Botany Society Newsletter **187** p. 15 <u>https://library.dbca.wa.gov.au/static/</u> StaffOnly/Journals/081363/081363-187.002.pdf

Wilson S (2021). A seaweed summer house for fish. Ningaloo Coast News Winter 2021 p. 2 <u>https://</u> library.dbca.wa.gov.au/static/FullTextFiles/080954-2021.001.pdf

<u>Management plans (Prescriptions,</u> <u>Guidelines, Recovery Plan Reports)</u>

Rayner K, Garretson S, Sims C, Cowen S (2021). Guideline for ethical behaviour during animal photography and videography. Department of Biodiversity, Conservation and Attractions, Woodvale, WA. 2 p <u>https://library.dbca.wa.gov.au/</u> <u>static/FullTextFiles/072592.pdf</u>

<u>Submitted</u>

Aisya Z, White DJ, Thavornkanlapachai R, Rick K, Mitchell NJ (submitted). Using PVA and captive breeding to balance trade-offs in the rescue of the island dibbler onto a new island ark. Scientific Reports

Álvarez-Romero JG, Kennard MJ, Cattarino L, Pressey RL, Adams VM, Carwardine J et al. [Radford IJ] (submitted). Persistence of northern Australian aquatic and terrestrial vertebrate species under different threat levels. Scientific Reports

Anderson B, Binks R, Butcher R, Byrne M, Hislop M, Macfarlane T et al. [Rye B, Shepherd K] (submitted). Helping to resolve difficult taxonomic complexes of conservation importance in Western Australia with ddRAD population genomics. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https:// biodiversity2021.com/

(Continued from page 6)

Anderson B, Binks R, Macfarlane T, Shepherd K (submitted). Using genomic data to help resolve difficult taxonomic complexes of conservation importance in Western Australia. (ABSTRACT) In Australasian Systematic Botany Society Annual Conference 2021: Biodiverse Futures: Systematics in a Changing World. Virtual conference 12-16 July 2021 (https://asbs2021.bablglobal.com/)

Anderson N (submitted). When two disturbances collide: a look at the functioning of jarrah after drought and wildfire. For People & Plants

Anderson NS, Fontaine JB, Lewandrowski W, Walden L, Ruthrof KX (submitted). Forest vulnerability exposed by drought and fire in a Mediterranean climate type forest. *Applied Ecology*

Arif S, Graham NAJ, Wilson S, MacNeil MA (submitted). Causal drivers of climate-mediated coral reef regime shifts. *Ecosphere*

Beca G, Palmer B, Valentine L, Erickson T, Hobbs R (submitted). More than just diggers: quenda and woylie disperse viable seed: science for policy, research findings factsheet, project 4.1.7

Beca G, Palmer B, Valentine L, Erickson T, Hobbs R (submitted). Seed dispersal by Australian digging mammals

Beca G, Valentine LE, Hopkins AJM, Erickson TE, Power MWP, Beecham BC, Hobbs RJ (submitted). Digging mammals as agents of restoration: effects of a native marsupial on plant recruitment and soil properties in a modified landscape. *Ecological Applications*

Beca G, Valentine LE, Hopkins AJM, Power MWP, Ruthrof K, Hobbs RJ (submitted). Foraging pits of a threatened digging mammal facilitate seedling recruitment. Functional Ecology

Bhandari SK, Veneklaas EJ, McCaw L, Mazanec R, Renton M (submitted). Effect of stand density on growth and allometry of marri (Corymbia calophylla) in the high rainfall zone of south-west Western Australia. Australian Forestry

Bhandari SK, Veneklaas EJ, McCaw L, Mazanec R, Renton M (submitted). Effect of thinning on growth and allometry of *Eucalyptus diversicolor*. Journal of Forestry

Binks RM, Heslewood M, Wilson PG, Byrne M (submitted). Phylogenomic analysis confirms polyphyly of *Leptospermum* and delineates five major clades that warrant generic recognition. *Taxon*

Bonnin L, Mouillot D, Boussarie G, Robbins WD, Kiszka JJ, Dagorn L et al. (submitted). Recent expansion of marine protected areas matches with home range of grey reef sharks. *Scientific Reports*

Brace A, Fontaine J, Ruthrof K, Miller B, Hopkins A (submitted). Temporal changes in soil microbial community compositions of a threatened ecological community post disturbance. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https:// biodiversity2021.com/ Bradley HS, Craig MD, Tomlinson S, Cross AT, Bamford M, Bateman PW (submitted). Predators thriving in a mining landscape: a key threat to a behaviourally unique, endangered subspecies. Animal Ecology

Brown VS, Erickson TE, Merritt DJ, Madsen MD, Hobbs RJ, Ritchie AL (submitted). A global review of seed enhancement technology use to inform improved applications in restoration. Science of the Total Environment

Butcher R (submitted). Tephrosia sabulosa (Fabaceae: Millettieae), a new species from Australia's sandhill deserts. Nuytsia

Carpenter FM, Dziminski MA, Greatwich BR, McPhail RM, Gibson L (submitted). Conservation and management of the bilby in Western Australia: partnerships with traditional owner rangers (POSTER). In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https://biodiversity2021.com/

Coates D, Monks L, Dillon R, Townsend K, Barrett S, Standish R et al. (submitted). Evaluating persistence in threatened plant translocations: genetic diversity and mating systems as measures of success

Comer S, Berryman A, Blythman M, Burbidge A, Ferguson A, Stokes H et al. (submitted). A new chapter for kyloring. *Landscope*

Commander L, Quarmby A, Cochrane A, Ruiz-Talonia L, Craigie S, Crawford A (submitted). Seed quality testing. In Florabank Guidelines - best practice guidelines for native seed collection and use

Cosgrove J, Hoeksema S, Novak P, Trayler K (submitted). Alexandrium in the Swan Canning Estuary (Western Australia): a new blooming problem for recreational and commercial fishers. (ABSTRACT) In Conference program - 19th International Conference on Harmful Algae, 10-15th of October 2021

Cowen S, Branch K, Rayner K, Sims C (submitted). Artificial refuges assist with monitoring short-term success of reintroductions of two threatened rodents. (ABSTRACT) In 67th Annual Scientific Meeting of the Australian Mammal Society, 28th September-1st October 2021 online

Cowen S, McArthur S, Ottewell K (submitted). Developing faecal monitoring techniques to evaluate translocation success of trap-shy mammal species. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https://biodiversity2021.com/

Cowen S, Smith M, McArthur S, Rayner K, Jackson C, Anderson G et al. [Ottewell K] (submitted). Faecal DNA as a non-invasive population monitoring tool for the banded hare-wallaby (*Lagostrophus fasciatus*)

Crawford A (submitted). Safe guarding seed in Western Australia: preparing for a new threat. (ABSTRACT) In Dieback Information Group Conference, 1st July 2021

(Continued from page 7)

Crawford A (submitted). Safe guarding seed in Western Australia: preparing for a new threat. PowerPoint. In Dieback Information Group Conference, 1st July 2021

Crawford A, Cochrane A, Breman E, Harrison PA, Quarmby A, Driver M (submitted). Seed collection. In Florabank Guidelines - best practice guidelines for native seed collection and use

Cruz M, Cheney P, Gould J, McCaw L, Kilinc M, Sullivan A (submitted). An empirical-based, multi-phase model for predicting the forward spread rate of wildfires in eucalypt forests. International Journal of Wildland Fire

Dalziell EL, Merritt DJ, Hay FR, Tomlinson S, Crawford A, Withers PC (submitted). Predicting seed lifespan for the improved curation of conservation seed banks. (ABSTRACT) In International Society for Seed Science Conference, Royal Botanic Gardens, Kew, 9-13 August 2021

Dalziell EL, Merritt DJ, Hay FR, Tomlinson S, Crawford A, Withers PC (submitted). Predicting seed lifespan for the improved curation of conservation seed banks. (ABSTRACT) In Australasian Seed Science Conference 6-10 September 2021, NSW

Davie H, Dziminski MA, Carpenter FM, Morris F, Meadham J, Mulcahey L et al. (submitted). Managing feral predators and fire to ensure the persistence of wild bilbies at Warralong in the Pilbara. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https://biodiversity2021.com/

Davis B, Lim W-H, Dixon K, Lambers H, Read D (submitted). Inorganic phosphorus nutrition in greenleaved terrestrial orchid seedlings. *Annals of Botany*

Davis RA, Ketebengang H, Eberdong M, Kitalong A, Etpison M, Davis BJ (submitted). The avifauna of Kayangel Atoll, Palau. Bulletin of the British Ornithologists Club

Davis RW, Wege JA (submitted). Isotropis petrensis (Mirbelieae: Fabaceae), a new species from arid Western Australia

Davison EM, Giustiniano D, Bougher NL, McGurk LE, Watkin ELJ (submitted). Additions to Amanita (Amanitaceae, Agaricales) section Arenariae from southwestern Australia. Australian Systematic Botany

De Prato L, Ruthrof KX, Hardy GE St J, Ansari O, Howieson J, O'Hara G et al. (submitted). Semiquantitative extraction and analysis of cannabinoids in hemp (*Cannabis sativa* L.) using gas chromatography coupled to mass spectrometry. *Journal of Cannabis Research*

Densmore V, van Dongen R (submitted). OzCBI: the Composite Burn Index adapted to assess burn severity and key fauna habitat features in Australian ecosystems. (ABSTRACT) In AFAC21 Conference: 5-8 October 2021, International Convention Centre, Sydney Desmond B, Crawford A, Cuneo P, Duval D, Guerin J, Messina A et al. (submitted). A national partnership approach to bushfire recovery through seed conservation for Project Phoenix. Australasian Plant Conservation

Duncan EM, Broderick AC, Critchell K, Galloway TS, Hamann M, Limpus CJ et al. [Tucker AD, Whiting S] (submitted). Plastic pollution and small juvenile marine turtles: a potential ecological trap. Frontiers in Marine Science

Dziminski MA, Greatwich BR, McPhail RM, Carpenter FM, Gibson L, Nyikina Mangala Rangers et al. (submitted). Distribution and abundance of the greater bilby in the Fitzroy Catchment: a Kimberley stronghold. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https://biodiversity2021.com/

Eastwood RG, Williams AAE, Williams MR (submitted). Survey of the critically endangered arid bronze azure butterfly (ABAB), Ogyris subterrestris petrina Field, 1999 and its host ant, Camponotus sp. nr. terebrans

Fisher R, Leis JM, Hogan JD, Bellwood DR, Wilson SK, Job SD (submitted). Tropical larval and juvenile fish U-crit (critical) swimming speed and morphology data. *Scientific Data*

French B, Ross CL, Lester EK, Wilson SK, Day PB, Taylor M et al. (submitted). Coral communities on marginal high-latitude reefs in Western Australian marine parks. *Diversity*

Friend T, Button T, Hill S, Danks A, Comer S (submitted). Translocation to safe havens averts extinction of the world's rarest marsupial, Gilbert's potoroo. (ABSTRACT) In National Malleefowl & WA Threatened Species Forum 2021, September 7-September 10

Funnekotter B, Hardstaff L, Bunn E, Davis B, Sommerville K, Ballesteros D (submitted). Cryopreservation. In Plant Germplasm Conservation in Australia: strategies and guidelines for developing, managing and utilising ex situ collections. - Revised Edition

Gallagher RV, Mackenzie BDE, Keith DA, van Leeuwen S, Nolan RH, Rumpff L et al. [Gosper CR, Yates CJ] (submitted). Understanding the fire regime and threats is key to determining the conservation implications for Australian plants after the 2019-2020 megafires: response to Godfree et al. 2021. Nature Communications

Gibson L (submitted). Life down under: the mysterious world of subterranean fauna. Landscope

Gosper C, Zdunic K, Barrett S, Loewenthal G, Yates C (submitted). Quantifying Banksia decline in Fitzgerald River National Park at plot to landscape scales. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https://biodiversity2021.com/

(Continued from page 8)

Gosper CR, Miller B, Gallagher R, Kinloch J, van Dongen R, Adams E et al. [Cochrane A, McCaw L, Miller R, Yates CJ] (submitted). Mapping risk to plant population persistence from short fire intervals via strong regional-scale relationships between maturation period and environmental productivity. *Plant Ecology*

Hammer T, Davis R (submitted). *Ptilotus crinitus* (Amaranthaceae), a new species from Western Australia's Kimberley region. *Swainsona*

Harris RJ, Wilson SK, Fulton CJ (submitted). Interactive effects of sediments and urchins on tropical macroalgal forests. *Marine Biology*

Harrison N, Phillips B, Wayne A, Steven R, Mitchell N (submitted). Systematic review of methods for quantifying anti-predator responses and its application for Australia's critical weight range mammals. (ABSTRACT) In 67th Annual Scientific Meeting of the Australian Mammal Society, 28th September-1st October 2021 online

Hartmann H, Bastos A, Das AJ, Esquivel Muelbert A, Hammond WM, Martinez-Vilalta J et al. [Ruthrof K] (submitted). Climate change risks to global forest health: emergence of unexpected events of elevated tree mortality world-wide. Annual Review of Plant Biology

Hayward-Brown B, Collett S, Crewe T, Udyawer V, Campbell M, Radford I et al. (submitted). Passive telemetry reveals resource driven shifts in the movement of a very small and highly mobile bird (Erythrura gouldiae). Movement Ecology

Hirst MJ, Commander ME, Emery N, Guja LK, Liyange GB, Merritt DJ et al. [Turner SR] (submitted). Seed germination and dormancy. In Plant Germplasm Conservation in Australia: strategies and guidelines for developing, managing and utilising ex situ collections. - Revised Edition

Hogg CJ, Ottewell K, Latch P, Rossetto M, Biggs J, Gilbert A et al. (submitted). Threatened Species Initiative: empowering conservation action using genomic resources. *Cell Genomics*

Hopkins A, Fontaine J, Brace A, Ruthrof K (submitted). Soil fungal responses to the stacked disturbances of hotter drought and wildfire in a Mediterranean-type forest. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https:// biodiversity2021.com/

Huisman J, Saunders G (submitted). Resurrection of *Plocamium pusillum* Sonder (Rhodophyta: Plocamiaceae). *Cryptogamie, Algologie*

Hyde J, Wills A (submitted). Monitoring the effect of fire on invertebrate populations in the SW of Western Australia. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https:// biodiversity2021.com/ Ladouceur E, Shackelford N, Bouazza K, Brudvig L, Bucharova A, Conradi T et al. [Erickson T] (submitted). Knowledge sharing for shared success in the Decade on Ecosystem Restoration. Journal of Applied Ecology

Langille BL, Tierney SM, Bertozzi T, Beasley-Hall PG, Bradford TM, Fagan-Jeffries EP et al. [Hyde J] (submitted). Darwin's dilemma: neutral evolution drives vision-gene loss in blind beetles. Nature

Lavery T, Blanchard W, Eldridge M, Giles D, Legge S, Pearson D et al. (submitted). Effective monitoring of rock-wallabies: a case study of indigenous-led surveys using camera traps. Journal of Mammalogy

Leger EA, Agneray AC, Baughman OW, Brummer EC, Erickson TE, Hufford KM et al. (submitted). Integrating evolutionary potential and ecological function into agricultural seed production to meet demands for the decade of restoration. *Restoration Ecology*

Legge S, Woinarski JCZ, Garnett ST, Geyle H, Lintermans M, Nimmo DG et al. [Burbidge AH] (submitted). Estimates of the impacts of the 2019-20 fires on populations of native animal species

Lembrechts JJ, van den Hoogen J, Aalto J, Ashcroft MB, De Frenne P, Kemppinen J et al. [Erickson TE, Muñoz-Rojas M] (submitted). Mismatches between soil and air temperature. Nature

Lohr CA, Dziminski M, Dunlop J, Miller E, Morris K (submitted). The reintroduction of bilbies (Macrotis lagotis) to Matuwa, an Indigenous Protected Area in Western Australia. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https:// biodiversity2021.com/

Marsh CJ, Sica YV, Burgin CJ, Dorman WA, Anderson RC, del Toro Mijares I (submitted). Expert range maps of global mammal distributions harmonised to three taxonomic authorities. *Scientific Reports*

Matusick G, Ruthrof K, Hardy G (submitted). Stem functional traits vary among co-occurring species and site vulnerability to drought. *Australian Journal of Botany*

Merritt DJ, Whitehouse KJ, Hoyle GL, Crawford A, Wood JA, Satyanti A et al. (submitted). Seed banking: orthodox seeds. In Plant Germplasm Conservation in Australia: strategies and guidelines for developing, managing and utilising ex situ collections. - Revised Edition

Nilsson K, Lohr CA, Sims C, Dunlop J, Lohr MT (submitted). Habitat selection by vulnerable golden bandicoots in the arid zone. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https:// biodiversity2021.com/

Nistelberger H, Ottewell K (submitted). Conserving Western Australian boodies (burrowing bettongs). (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https://biodiversity2021.com/

(Continued from page 9)

Novak P, Hoeksema S (submitted). A baseline assessment of contaminants in western school prawns (*Metapenaeus dalli*) in the Swan Canning Estuary and associated human health consumption guidance

Osmundson TW, Bougher NL, Robinson RM, Halling RE (submitted). Rubinoboletus phaseolisporus (Boletaceae) from Western Australia is a Tylopilus with bean-shaped spores. Nuytsia

Ottewell K, Thavornkanlapachai R, McArthur S (submitted). Ghost bat (Macroderma gigas) genetic monitoring, South Flank 2019: final report to Biologic Environmental Survey

Palmer B, Valentine L, Lohr C, Daskalova G, Hobbs R (submitted). Translocated boodie (*Bettongia lesuer*) burrowing effects on soils and vegetation

Palmer BJ, Beca G, Erickson TE, Hobbs RJ, Valentine LE (submitted). New evidence of seed dispersal identified in Australian mammals. *Wildlife Research*

Peterson K, Barnes MD, Jeynes-Smith C, Cowen S, Gibson L, Sims C et al. (submitted). Reconstructing lost ecosystems: a risk analysis framework for planning multispecies reintroductions under severe uncertainty. (ABSTRACT) In 2021 Ecological Society of America Annual Meeting, Monday August 2nd-Friday, August 6th https://www.esa.org/longbeach/

Pratchett MS, Caballes CF, Cvitanovic C, Raymundo ML, Babcock RC, Bonin MC et al. [Wilson SK] (submitted). Knowledge gaps in the biology, ecology and management of Pacific crown-of-thorns starfish, Acanthaster cf. solaris, on Australia's Great Barrier Reef. Biological Bulletin

Radford IJ, Corey B, Carnes K, Shedley E, McCaw L, Woolley L-A (submitted). Threatened small mammals influenced by feral cats and habitat disturbance dynamics in tropical savannas. Frontiers in Ecology and Evolution

Reiter N, Dimon R, Freestone M, Davis B, Newby Z-J, Swarts N et al. (submitted). Isolation, propagation and storage of orchid mycorrhiza and rhizobia. In Plant Germplasm Conservation in Australia: strategies and guidelines for developing, managing and utilising ex situ collections. - Revised Edition

Richardson B, Huisman J (submitted). Florabase gets a new look. Landscope

Rick K, Ottewell K, Lohr C, Thavornkanlapachai R, Byrne M, Kennington J (submitted). Admixing increases genetic diversity with no evidence of outbreeding depression in a threatened bettong (Bettongia lesueur). (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https:// biodiversity2021.com/

Ritchie AL, Elliott CP, Sinclair EA, Krauss SL (submitted). Restored and remnant Banksia woodlands elicit different foraging behaviour in avian pollinators. Functional Ecology Robinson OJ, Socolar JB, Stuber EF, Auer T, Berryman AJ, Boersch-Supan PH et al. [Burbidge AH] (submitted). Extreme uncertainty and unquantifiable bias do not inform population sizes: a response to Callaghan et al. (LETTER). Proceedings of the National Academy of Sciences of the USA

Robinson R, McCaw L, Wills A (submitted). Monitoring biodiversity to inform forest management in southwest Western Australia: ten-year findings of FORESTCHECK monitoring. *Ecological Processes*

Rye B (submitted). *Austrobaeckea*, a new southwestern Australian genus of Myrtaceae: (Chamelaucieae: Hysterobaeckeinae). *Nuytsia*

Shepherd KA, Wilkins CF (submitted). A revision of Lasiopetalum (Malvaceae: Byttnerioideae) from the northern sandplains of Western Australia, including two new species. Nuytsia

Silcock J, Collingwood T, Llorens T, Fensham R (submitted). Introducing the Action Plan for Australia's Imperilled Plants 2020. Australasian Plant Conservation

Sommerville KD, Bunn E, Rollason A, Turner SR (submitted). Tissue culture. In Plant Germplasm Conservation in Australia: strategies and guidelines for developing, managing and utilising ex situ collections. - Revised Edition

Southwell D, Skroblin A, Moseby K, Southgate R, Indigo N, Backhouse B et al. [Dziminski M] (submitted). Designing a large-scale track-based monitoring program to detect changes in species distributions in arid Australia. *Ecological Applications*

Stevens E, Hyde J, Beesley L, Thompson S, Morris L, Gleeson D (submitted). Temporal changes in soil microbial community compositions of a threatened ecological community post disturbance. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https://biodiversity2021.com/

Stover R-A, Hopkins A, Davis R, Mills H, Cowen S (submitted). Assessing the dietary impacts of the translocation of hare-wallabies to a novel island ecosystem. (POSTER ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https:// biodiversity2021.com/

Strydom S, McCallum R, Webster C, Said N, Salinas C, Billinghurst S et al. (submitted). Global dataset on seagrass meadow structure, biomass, production and reproduction. Earth System Science Data

Strydom S, Serrano Ó (submitted). Global database of key seagrass structure, biomass, production and reproduction variables. Available at: <u>https://</u> doi.pangaea.de/10.1594/PANGAEA.929968

Sun R, McArthur S, Prada D, Ottewell K (submitted). Non-invasive genetic monitoring using scats reveals spatio-temporal habitat usage of the ghost bat in Pilbara, Western Australia. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https:// biodiversity2021.com/

(Continued from page 10)

Tangney R, Miller R, Fontaine J, Veber W, Ruthrof K, Miller B (submitted). Vegetation structure and fuel dynamics in fire-prone, Mediterranean-type Banksia woodlands. Forest Ecology and Management

Thorn S, Maxwell M, Ward C, Wayne A (submitted). Remote sensor camera traps provide the first density estimate for the largest natural population of the numbat (*Myrmecobius fasciatus*). Wildlife Research

Thorn S, Maxwell M, Ward C, Wayne A (submitted). Remote sensor camera traps provide the first density estimate for the largest natural population of the numbat (Myrmecobius fasciatus). (ABSTRACT) In 67th Annual Scientific Meeting of the Australian Mammal Society, 28th September-1st October 2021 online

Towers I, Merritt D, Erickson T, Mayfield M, Dwyer J (submitted). How do seed bank conditions influence germination responses to light in Australian winter annual plants? *Oikos*

Treloar S, Lohr C, Hopkins A, Davis R (submitted). The potential for competition between boodies (Bettongia lesueur) and mala (Lagorchestes hirsutus). (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https://biodiversity2021.com/

Umbrello L, Bullen R, Shaw R, McArthur S, Byrne M, van Leeuwen S et al. [Ottewell K] (submitted). Conservation genomics of a threatened bat (Rhinonicteris aurantia) in an arid biodiversity hotspot. (ABSTRACT) In Biodiversity Conference 2021, resilient landscapes: 15-17 September 2021, Perth, WA https://biodiversity2021.com/

Venarsky MP, Lowe V, Frid CLJ, Burford MA (submitted). Flow regimes among rivers influences benthic biota biodiversity, but not abundance or biomass, in intertidal mudflats and sandflats in wetdry tropical estuaries. Estuarine, Coastal and Shelf Science

Vilaça ST, Hahn AT, Naro-Maciel E, Abreu-Grobois A, Bowen B, Castilhos JC et al. [Whiting SD] (submitted). Revisiting ridley sea turtle global phylogeography: speciation, demographic change, and regional connectivity. *Molecular Ecology*

Walden LL, Fontaine JB, Ruthrof KX, Matusick G, Harper RJ (submitted). Above-ground carbon dynamics following wildfire in a eucalypt forest. *Geophysical Research*

Waudby HP, Turner JM, Coulson G, Taggart DA, Watson DM, Bengsen AJ et al. [Dunlop J] (submitted). Wildlife capture methods. In Ethical Wildlife Research in Australia (eds B Smith, HP Waudby, CA Alberthsen).

Wilson SK, Holmes TH, Kendrick A, Ross CL (submitted). The coral reefs of Western Australia. In Australia's Coral Reefs

Wynne JJ, Howarth FG, Mammola S, Ferreira RL, Cardoso P, Di Lorenzo T et al. [Venarsky MP] (submitted). A roadmap for the conservation of the subterranean biome. Nature Ecology and Evolution Contacts: Assistant Director Katrina Walton <u>katrina.walton@dbca.wa.gov.au</u> Ph: 9219 9074

Decision Scientist Megan Barnes <u>megan.barnes@dbca.wa.gov.au</u> Ph: 9219 9043

Biodiversity Information Office Helen Ensikat <u>helen.ensikat@dbca.wa.gov.au</u> Ph: 9219 9084

Animal Science Lesley Gibson <u>lesley.gibson@dbca.wa.gov.au</u> Ph: 9405 5159

Ecosystem Science Adrian Pinder <u>adrian.pinder@dbca.wa.gov.au</u> Ph: 9219 9868

Ecoinformatics Julian Tonti-Filippini julian.tonti-filippini@dbca.wa.gov.au Ph: 9219 9067

Fire Science Ben Miller <u>ben.miller@dbca.wa.gov.au</u> Ph: 9480 3637

Kings Park Science Jason Stevens jason.stevens@dbca.wa.gov.au Ph: 9480 3639 Marine Science Shaun Wilson (acting) <u>shaun.wilson@dbca.wa.gov.au</u> Ph: 9219 9806

Perth Zoo Science Peter Mawson <u>peter.mawson@dbca.wa.gov.au</u> Ph: 9474 0311

Plant Science & Herbarium Carl Gosper <u>carl.gosper@dbca.wa.gov.au</u> Ph: 9219 9041

Remote Sensing and Spatial Analysis Katherine Zdunic <u>katherine.zdunic@dbca.wa.gov.au</u> Ph: 9219 9584

Rivers & Estuaries Science Kerry Trayler <u>kerry.trayler@dbca.wa.gov.au</u> Ph: 9278 0955

Species & Communities Ruth Harvey <u>ruth.harvey@dbca.wa.gov.au</u> Ph: 9219 9512

Western Australian Herbarium Curator John Huisman john.huisman@dbca.wa.gov.au Ph: 9219 9137

Library Contacts:

General enquiries & requests: library@dbca.wa.gov.au Ph: 9219 9058

Lisa Wright <u>lisa.wright@dbca.wa.gov.au</u> Ph: 9219 9091

Nicole Wreford <u>nicole.wreford@dbca.wa.gov.au</u> Ph: 9219 9058