

# SCIENCE COMMUNICATIONS

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*Science Communications* lists titles of publications, reports etc prepared by staff of Biodiversity Science and Conservation. This issue is for the period August 2018-January 2019.

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Margaret Byrne  
Executive Director

## ***Journal Publications***

Arnall SG, Mitchell NJ, Kuchling G, Durell B, Kooijman SALM, Kearney MR (2019). Life in the slow lane? A dynamic energy budget model for the western swamp turtle, *Pseudemydura umbrina* *Journal of Sea Research* **143**, 89-99 <https://library.dbca.wa.gov.au/static/StaffOnly/C20233.pdf>

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(Continued on page 2)

(Continued from page 1)

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(Continued on page 3)

(Continued from page 2)

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(Continued on page 7)

(Continued from page 6)

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(Continued on page 8)

(Continued from page 7)

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(Continued on page 16)

(Continued from page 15)

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(Continued on page 19)

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Davis RW, Rye BL (submitted). *Darwinia sphaerica* (Myrtaceae: Chamelaucieae), a new species from a single granite outcrop *Nuytsia*

Davoodian N, Bougher NL, Fechner NA, Bergemann SE, Halling RE (submitted). Three new species of *Gyroporus* (Boletales: Basidiomycota) from Australia *Muelleria*

Densmore VS, Clingan ES (pending). Bushfire has a greater impact than prescribed burning on availability of banksia seed, a critical food resource for the endangered Carnaby's cockatoo *Fire Ecology*

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(Continued on page 20)

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Golos P (submitted). Fires, floods, flies and research in the Great Sandy Desert *For People & Plants*

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Hammer TA, Davis RW (submitted). Clarification of the species boundaries within the *Ptilotus royceanus* (*Amaranthaceae*) species group *Austrobaileya*

Hays GC, Bailey H, Bograd SJ, Bowen WD, Campagna C, Carmichael RH et al. [Whiting SD] (submitted). Translating marine animal tracking data into conservation policy and management *Trends in Ecology and Evolution*

Hayward MW, Callen A, Allen BL, Ballard J-G, Broekhuis F, Bugir C et al. [Wayne A] (submitted). Deconstructing compassionate conservation

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(Continued on page 21)

(Continued from page 20)

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Huss JC, Fratzl P, Dunlop JWC, Merritt DJ, Miller BP, Eder M (submitted). Protecting offspring against fire: lessons from *Banksia* seed pods *Frontiers in Plant Science, Plant Biophysics and Modeling*

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Lewandrowski W, Elliott C (submitted). The blushing tetraetheca: out of the rock they emerge: recruitment of the rare *Tetraetheca erubescens* from iconic banded ironstone ranges *For People & Plants*

Masarei M, Guzzomi A, Merritt D, Erickson T (submitted). Factoring restoration practitioner perceptions into future design of mechanical direct seeders *Restoration Ecology*

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McCaw L (pending). Prescribed burning in Mediterranean-climate biodiversity hotspots, with a focus on south-western Australia: a reply to Bradshaw et al. (2018) *International Journal of Wildland Fire*

McKenzie NL Bullen RD (submitted). What can echolocation recordings reveal about the foraging ecology of *Saccolaimus saccolaimus* (Emballonuridae) in north-western Australia? *Austral Ecology*

Miller B, Symonds D, Barrett M (submitted). Persistence of rare species depends on rare events: demography, fire response and phenology of two plant species endemic to one semi-arid banded iron formation range *Australian Journal of Botany*

Moreira-Grez B, Muñoz-Rojas M, Kariman K, Storer P, O'Donnell AG, Kumaresan D et al. (submitted). Reconditioning degraded mine site soils with exogenous soil microbes: plant fitness and soil microbiome outcomes In *LandCARE for the Future- Conference, Santiago de Compostela (Spain)*

Moustaka M, Mohring MB, Holmes T, Evans RD, Thomson D, Nutt C et al. [Wilson SK] (submitted). Cross-shelf heterogeneity of coral assemblages in northwest Australia *Diversity*

Munn A, Tomlinson S, Espeland E, Halsey L, Dalziell E, Elliott C et al. [Lewandrowski W, Davis B, Sinclair E] (pending). Ecological resilience in the face of uncertainty: is the future proofing of biodiversity conservation an oxymoronic misnomer? (ABSTRACT) In *Conference presentation "2019 Species on the Move" Kruger National Park from Monday 22nd to Friday 26th July 2019*

Murphy BP, Woolley LA, Geyle HM, Legge SM, Palmer R, Dickman CR et al. (submitted). Introduced cats (*Felis catus*) eating a continental mammal fauna: the number of individuals killed *Biological Conservation*

Northover A, Godfrey S, Aymbery A, Wayne A, Thompson A (submitted). Fauna translocation alters parasite community structure in an endangered marsupial *Journal of Applied Ecology*

(Continued on page 22)

(Continued from page 21)

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Ottewell K, Pitt G, Pellegrino B, van Dongen R, Kinloch J, Willers N, Byrne M (submitted). Remnant vegetation provides genetic connectivity for a critical weight range mammal in a rapidly urbanising landscape *Landscape and Urban Planning*

Pacioni C, Wayne A, Page M (submitted). Guidelines for genetic management in mammal translocation programs *Biological Conservation*

Pacioni C, Wayne AF, Page M (submitted). Guidelines for genetic management in mammal translocation programs *Biological Conservation*

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Percy-Bower JM, Parker CM (submitted). Updates to Western Australia's vascular plant census for 2017 *Nuytsia*

Pinder A, Harman A, Bird C, Quinlan K, Angel F, Cowan M et al. [Lewis L] (submitted). Spread of the invasive redclaw crayfish *Cherax quadricarinatus* (von Martens, 1868) into natural waters of the Pilbara region of Western Australia, with observations on potential adverse ecological effects *BioInvasions Records*

Rance SJ, Cameron DM, Gosper CR, Williams ER (submitted). Multiple soil element and pH interactions constrain plant performance on tropical soils with a long fire history *Plant and Soil*

Raudino H, Tyne J, Smith A, Ottewell K, McArthur S, Kopps A et al. [Waples K] (submitted). Challenges of collecting blow from small cetaceans *Ecological Applications*

Robbins WD, D'Cruz E, Holmes T Kendrick A (submitted). Marine park management in the Kimberley: combining traditional knowledge and western science (ABSTRACT) In *AMSA July 2019 conference, 7 - 11 July 2019, Fremantle*

Robinson J, Wilson S, Graham N (submitted). Nutrients and coral recruitment outweigh abiotic limits on coral recovery after mass bleaching *Coral Reefs*

Robinson JP, Wilson SK, Jennings S, Graham NAJ (submitted). Climate change induces long-term persistence of novel coral reef fish assemblages *Ecology Letters*

Rodríguez-Prieto C, de Clerck O, Huisman JM, Lin S-M (submitted). Characterization of *Nesoia latifolia* (Halymeniaceae: Rhodophyta) from Europe with emphasis on cystocarp development and description of *Nesoia mediterranea* sp nov. *Phycologia*

Ruthrof KX, Breshears DD, Fontaine JB, Froend RH, Matusick G, Kala J et al. [Miller BP, Wilson SK] (Pending). Heatwaves: a problem for Australia on land and at sea *The Conversation*

Saunders DA, Nicholls AO, Dawson R, Mawson PR (submitted). Using the relationship between wing length and body mass in nestlings of the endangered Carnaby's cockatoo *Calyptorhynchus latirostris* as a method for assessing nestling condition *Ibis*

Shalders TC (submitted). A decade of change: shifts in Labridae geographical distribution along a unique and dynamic coastline *Diversity and Distributions*

Shalders TC (submitted). Behavioural and pathomorphological impacts of flash photography on benthic fishes *Scientific Reports*

(Continued on page 23)

(Continued from page 22)

Shalders TC (submitted). Flash photography doesn't harm seahorses: but don't touch *The Conversation*

Shannon J, Dundas, Katinka X, Ruthrof, Giles E, St.J. Hardy, and Patricia A. Fleming (submitted). Pits or pictures: a comparative study of camera traps and pitfall trapping to survey small mammals and reptiles *Wildlife Research*

Sinclair E, Cambridge M, Kendrick G (submitted). First report of hybridization in the marine plant genus *Posidonia* (Posidoniaceae) *Journal of Heredity*

Skates LM, Paniw M, Cross AT, Ojeda F, Dixon KW, Stevens JC et al. (submitted). An ecological perspective on "plant carnivory beyond bogs": nutritional benefits of prey capture for the Mediterranean carnivorous plant *Drosophyllum lusitanicum* *Annals of Botany*

Smit A, Tomlinson S, Bateman PW (submitted). The ecology of re-invasion of an urban vegetation remnant by a medium-sized marsupial following mitigation translocation *Conservation Biology*

Surtees C, Calver MC, Mawson PR (pending). Measuring the welfare impact of soft-catch leg-hold trapping for feral cats on non-target by-catch *Animals*

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(Continued from page 23)

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