

SCIENTIFIC OUTPUT OF THE BRANCH: FISHERIES MANAGEMENT OF THE DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES

2015

This document lists the scientific output of the Fisheries Management Branch for 2015, arranged by output category. In the category 'peer-reviewed publications' there were 39 papers, as well as one editorial contribution to a special issue of the *African Journal of Marine Science*. This represents a 77% increase in the output of published papers compared with the previous year. There were six documents in the category 'theses/dissertations/tertiary projects', including two PhD theses, and five documents in the category 'book chapters, published reports and popular articles'. There were 50 'contributions to symposia and conferences, and public presentations', and 26 'contributions to workshops and management and scientific bodies, and unpublished technical reports'. Collectively, the largest number of symposium contributions were made at the 12th Conference of the Aquaculture Association of Southern Africa held in Polokwane in September and the 29th Congress of the Phycological Society of Southern Africa held at St Lucia in June. Finally, there were 66 unpublished working group documents. This last category represents the output of the research component of the Branch in terms of its line function to provide scientific advice for resource management.

Peer-reviewed Publications (names of DAFF staff shown in bold)

- Auerswald L, Meyer B, Teschke M, Hagen W, Kawaguchi S. 2015. Physiological response of adult Antarctic krill, *Euphausia superba*, to long-term starvation. *Polar Biology* 38: 763–780.
- Beaudry MC, Hussey NE, McMeans BC, McLeod AM, Wintner SP, Cliff G, **Dudley SFJ**, Fisk AT. 2015. Comparative organochlorine accumulation in two ecologically similar shark species (*Carcharodon carcharias* and *Carcharhinus obscurus*) with divergent uptake based on different life history. *Environmental Toxicology and Chemistry* 34: 2051–2060.
- Bennett S, Wernberg T, de Bettignies T, Kendrick GA, **Anderson RJ**, Bolton JJ, Rodgers K, Shears N, Leclerc J-C, Lévêque L, Davout D, Christie HC. 2015. Canopy interactions and physical stress gradients in subtidal marine communities. *Ecology Letters*. doi: 10.1111/ele.12446.
- Bitalo DN, Maduna SN, **da Silva C**, Roodt-Wilding R, Bester-van der Merwe AE. 2015. Differential gene flow patterns for two commercially exploited shark species, tope (*Galeorhinus galeus*) and common smoothhound (*Mustelus mustelus*) along the south-west coast of South Africa. *Fisheries Research* 172: 190–196.
- Boo GH, Le Gall L, Rousseau F, De Reviers B, Copejans E, **Anderson R**, Boo SM. 2015. Phylogenetic relationships of *Gelidiella* (Gelidiales, Rhodophyta) from Madagascar with a description of *Gelidiella incrassata* sp. nov. *Cryptogamie, Algologie* 36: 219–237.
- Cyrus MD**, Bolton JJ, **Macey BM**. 2015. The role of the green seaweed *Ulva* as a dietary supplement for full life-cycle grow-out of *Tripneustes gratilla*. *Aquaculture* 446: 187–197.
- da Silva C**, Booth AJ, **Dudley SFJ**, **Kerwath SE**, **Lamberth SJ**, **Leslie RW**, McCord ME, Sauer WHH, Zweig T. 2015. The current status and management of South Africa's chondrichthyan fisheries. In: Ebert DA, Huvneers C, Dudley SFJ (eds), *Advances in shark research. African Journal of Marine Science* 37: 233–248.
- de Moor CL, Johnston SJ, Brandão A, Rademeyer RA, **Glazer JP**, Furman LB, Butterworth DS. 2015. A review of the assessments of the major fisheries resources in South Africa. *African Journal of Marine Science* 37: 285–311.
- Elston C, **Anderson RJ**, Price LM. 2015. Bald kelp: natural and harvesting-induced frond loss in the South African kelp *Ecklonia maxima*. *African Journal of Marine Science* 37: 373–381.
- Everett BI, Cliff G, **Dudley SFJ**, Wintner SP, van der Elst RP. 2015. Do sawfish *Pristis* spp. represent South Africa's first local extirpation of marine elasmobranchs in the modern era? In: Ebert DA, Huvneers C, Dudley SFJ (eds), *Advances in shark research. African Journal of Marine Science* 37: 275–284.
- Everett BI, Groeneveld JC, Fennessy ST, Dias N, Filipe O, Zacarias L, Igulu M, Kuguru B, Kimani E, Munga CN, Rabarison GA, Razafindrakoto H, **Yemane D**. 2015. Composition and abundance of deep-water crustaceans in the Southwest Indian Ocean: enough to support trawl fisheries? *Ocean & Coastal Management* 111: 50–61.
- Green DB, **Coetzee JC**, Rishworth GM, Pistorius PA. 2015. Foraging distribution of Cape gannets in relation to oceanographic features, prey availability and marine protected

- areas. *Marine Ecology Progress Series* 537: 277–288.
- Green DB, Klages N, Crawford R, **Coetzee JC**, Dyer B, Rishworth GM, Pistorius PA. 2015. Dietary change in Cape gannets reflects distributional and demographic shifts in two South African commercial fish stocks. *ICES Journal of Marine Science* 72: 771–781.
- Gro A, Salvanes V, Bartholomae C, **Yemane D**, Gibbons MJ, Kainge P, Krakstad J-O, Rouault M, Staby A, Sundby S. 2015. Spatial dynamics of the bearded goby and its key fish predators off Namibia vary with climate and oxygen availability. *Fisheries Oceanography* 24. DOI:10.1111/fog.12068.
- Huveneers C, Ebert DA, **Dudley SFJ**. 2015. The evolution of chondrichthyan research through a metadata analysis of dedicated international conferences between 1991 and 2014. In: Ebert DA, Huveneers C, Dudley SFJ (eds), *Advances in shark research. African Journal of Marine Science* 37: 129–139. [Editorial contribution]
- Jansen T, Kainge P, **Singh L**, Wilhelm M, **Durholtz D**, Strømme T, Kathena J, Erasmus V. 2015. Spawning patterns of shallow-water hake (*Merluccius capensis*) and deep-water hake (*M. paradoxus*) in the Benguela Current Large Marine Ecosystem inferred from gonadosomatic indices. *Fisheries Research* 172: 168–180.
- Jarre A, Hutchings L, Kirkman SP, Kreiner A, Tchupalanga PCM, Kainge P, Uanivi U, Van der Plas AK, Blamey LK, **Coetzee JC**, Lamont T, Samaai T, Verheye HM, **Yemane DG**, Axelsen BE, Ostrowski M, Stenevik EK, Loeng H. 2015. Synthesis: climate effects on biodiversity, abundance and distribution of marine organisms in the Benguela. *Fisheries Oceanography* 24: 122–149.
- Kirkman SP, **Yemane D**, Atkinson LJ, Kathena J, Nsiangango SE, **Singh L**, Axelsen BE, Samaai T. 2015. Regime shifts in demersal assemblages of the Benguela Current Large Marine Ecosystem: a comparative assessment. *Fisheries Oceanography* 24: 15–30.
- Knapp JL, Bridges CR, Krohn J, Hoffman LC, **Auerswald L**. 2015. Acid-base balance and changes in haemolymph properties of the South African rock lobsters, *Jasus lalandii*, a palinurid decapod, during chronic hypercapnia. *Biochemical and Biophysical Research Communications* 461: 475–480.
- Kreiner A, **Yemane D**, Stenevik EK. 2015. Spawning habitats of Cape horse mackerel (*Trachurus capensis*) in the Northern Benguela upwelling region. *Fisheries Oceanography* 24: 46–55.
- Lett C, **van der Lingen CD**, Loveday BR, Moloney CL. 2015. Biophysical models of larval dispersal in the Benguela Current ecosystem. *African Journal of Marine Science* 37: 457–465.
- Marean CW, **Anderson RJ**, Bar-Matthews M, Braun K, Cawthra HC, Cowling RM, Esler KJ, Fisher E, Franklin J, Hill K, Janssen M, Potts AJ, Zahn R. 2015. A new research strategy for integrating studies of paleoclimate, paleoenvironment, and paleoanthropology. *Evolutionary Anthropology* 24: 62–72.
- Mattio L, **Anderson RJ**, Bolton JJ. 2015. A revision of the genus *Sargassum* (Fucales, Phaeophyceae) in South Africa. *South African Journal of Botany* 98: 95–107.
- Mattio L, **Anderson RJ**, Bolton JJ. 2015. Contribution to the revision of the genus *Sargassum* (Fucales, Phaeophyceae) in Madagascar using morphological and molecular data. *Cryptogamie, Algologie* 36: 143–169.
- McInnes AM, Khoosal A, Murrell B, **Merkle D**, Lacerda M, Nyengera R, **Coetzee JC**, Edwards LC, Ryan PG, **Rademan J**, **van der Westhuizen JJ**. 2015. Recreational fish-finders – an inexpensive alternative to scientific echo-sounders for unravelling the links between marine top predators and their prey. *PLoS ONE* 10, p.e0140936.
- Mhlongo N, **Yemane D**, **Hendricks M**, **van der Lingen CD**. 2015. Have the spawning habitat preferences of anchovy (*Engraulis encrasicolus*) and sardine (*Sardinops sagax*) in the southern Benguela changed in recent years? *Fisheries Oceanography* 24: 1–14.
- Nikolic N, Duthoy S, Destombes A, Bodin N, **West W**, Puech A, Bourjea J. 2015. Discovery of genome-wide microsatellite markers in Scombridae: a pilot study on albacore tuna. *PLoS ONE* 10(11): e0141830. doi:10.1371/journal.pone.0141830.
- Nunkoo I, Reed C, **Kerwath S**. 2015. First record of the Southeast Asian walking catfish, *Clarias batrachus* (Pisces: Clariidae), from the island of Mauritius, south-western Indian Ocean. *African Zoology* 50: 73–75.
- Pitcher GC**, Smith ME, **Probyn TA**. 2015. Saldanha Bay, South Africa II: estimating bay productivity. *African Journal of Marine Science* 37: 513–520.
- Probyn TA**, Atkins JF, **Pitcher GC**. 2015. Saldanha Bay, South Africa III: new production and carrying capacity for bivalve aquaculture. *African Journal of Marine Science* 37: 521–531.
- Rothman MD**, Mattio L, Wenberg T, **Anderson RJ**, Uwai S, Mohring M, Bolton JJ. 2015. A molecular investigation of the genus *Ecklonia* (Phaeophyceae, Laminariales) with special focus on the Southern Hemisphere. *Journal of Phycology* 51: 236–246.
- Sherley RB, Winker H, Altwegg R, **van der Lingen CD**, Votier SC, Crawford RJM. 2015. Bottom-up effects of a no-take zone on penguin demographics. *Biology Letters* 11: 20150327. DOI: 10.1098/rsbl.2015.0237.
- Smith ME, **Pitcher GC**. 2015. Saldanha Bay, South Africa I: the use of ocean colour remote sensing to assess phytoplankton biomass. *African Journal of Marine Science* 37: 503–512.
- Straube N, **Leslie RW**, Clerkin PJ, Ebert DA, Rochel E, Corrigan SL, Li C, Naylor GJP. 2015. On the occurrence of the southern Lanternshark, *Etmopterus granulosus*, off south Africa, with comments on the validity of *E. compagnoi*. *Deep-Sea Research II. Topical Studies in Oceanography* 115: 11–17.
- van der Lingen CD**, Weston LF, Ssempe NN, Reed CC. 2015. Incorporating parasite data in population structure studies of South African sardine *Sardinops sagax*. *Parasitology* 142: 156–167.
- van der Vyver JSF, de Bruyn PJN, Lipiński MR, **Leslie RW**. 2015. First record of a porbeagle shark *Lamna nasus* (Bonnaterre, 1788) stranding at sub-Antarctic Marion Island. *Marine Biodiversity Records* 8: e67.
- van der Vyver JSF, Sauer WHH, McKeown NJ, **Yemane D**, Shaw PW, Lipiński MR. 2015. Phenotypic divergence despite high gene flow in chokka squid *Loligo reynaudii* (Cephalopoda: Loliginidae): implications for fishery management. *Journal of the Marine Biological Association of the UK* 12. DOI: 10.1017/S0025315415001794.
- Vorsatz LD, **van der Lingen CD**, Gibbons MJ. 2015. Diet and gill morphology of the East Coast redeye round herring *Etrumeus wongratanai* off KwaZulu-Natal, South Africa. *African Journal of Marine Science* 37: 575–581.
- Weston LF, Reed CC, **Hendricks M**, Winker H, **van der Lingen CD**. 2015. Stock discrimination of South African sardine (*Sardinops sagax*) using a digenean parasite biological tag. *Fisheries Research* 164: 120–129.
- Yemane D**, Mafwila SK, Kathena J, Nsiangango SE, Kirkman SP.

2015. Spatio-temporal trends in diversity of demersal fish species in the Benguela Current Large Marine Ecosystem (BCLME) region. *Fisheries Oceanography* 24: 102–121.

Theses/Dissertations/Tertiary Projects

- Arendse DCZ.** 2015. Experimental cultivation of the South African scallop *Pecten sulcicostatus*. PhD thesis, University of Cape Town, South Africa.
- Lewis BR, Arendse DCZ, Sparks C.** 2015. Spawning induction and the influence of stocking density on larval growth and survival of the scallop *Pecten sulcicostatus*. BTech, Cape University of Technology, Cape Town, South Africa.
- Mohale JM, Somhlaba S, Geja Y, Mushanganyisi K.** 2015. Review of data collection strategies at the port site for hake longline fishery and the implications for the quantification of tonnages and levies that are collected. Cape University of Technology (CPUT) diploma, Cape Town, South Africa.
- Mohale JM, Somhlaba S, Geja Y, Mushanganyisi K.** 2015. Age and growth estimation of anchovy (*Engraulis capensis*). Cape University of Technology (CPUT) diploma, Cape Town, South Africa.
- Mohale JM, Somhlaba S, Geja Y, Mushanganyisi K.** 2015. The use of acoustic instrumentation system for scientific surveys of shallow-water species in South Africa. Cape University of Technology (CPUT) diploma, Cape Town, South Africa.
- Rothman, M.** 2015. The phylogeny, biology and biogeography of the southern African kelps *Ecklonia maxima* and *Laminaria pallida*. PhD thesis, University of Cape Town, South Africa.

Book Chapters, Published Reports and Popular Articles

- Durholtz MD, Singh L, Fairweather TP, Leslie RW, van der Lingen CD, Bross CAR, Hutchings L, Rademeyer RA, Butterworth DS, Payne AIL.** 2015. Fisheries, ecology and markets of South African hake. In: Arancibia H (ed.), *Hakes: biology and exploitation*. Chichester, West Sussex, UK: Wiley-Blackwell. pp 38–69.
- Githaiga-Mwicigi JM.** 2015. One anchor, two anchors...none? The South African squid fishery and the anchor "issue". *Fishing Industry News Southern Africa* Vol. 16, April: 2.
- Githaiga-Mwicigi JM.** 2015. Squid and the environment, a series. Part 1: A brief introduction into squid research. *Fishing Industry News Southern Africa* Vol. 16, August: 4.
- Pitcher GC, Fraga S.** 2015. Harmful algal bloom events in the Canary Current Large Marine Ecosystem. In: Valdes L, Denis-Gonzales I (eds), *Oceanographic and biological features in the Canary Current Large Marine Ecosystem*. IOC Technical Series No. 115. Paris: IOC-UNESCO. pp 175–182.
- Shabangu FW, Gridley T, Coley N.** 2015. The languages of the sea: sounds of whales, dolphins and other organisms in a South African bay. *Fishing Industry News Southern Africa* Vol. 16, June: pp 21–23.

Contributions to Symposia and Conferences, and Public Presentations

- Anderson RJ, Bolton JJ, De Clerck O, Francis CM, Siyanga-Tembo F.** 2015. Two newly discovered *Grateloupia* (Rhodophyta) species on aquaculture rafts on the west coast of South Africa, including the widely introduced *G.*

turuturu. 29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa. (oral presentation)

- Arendse DCZ, Pitcher GC.** 2015. An overview of scallop research in South Africa. 20th International Pectinid Workshop, 22–28 April 2015, Galway, Ireland. (oral presentation)
- Arendse DCZ, Pitcher GC, Lewis BR.** 2015. Is commercial culture of the South African scallop *Pecten sulcicostatus* achievable? 12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa. (oral presentation)
- Blaauw DL, Cole G, Christison KW.** 2015. The morphological and phylogenetic characterization of a phaeohyphomycete isolated from razorfish (*Aeoliscus punctatus*) at the Two Oceans Aquarium. 12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa. (poster presentation)
- Boothroyd CJT, Kemp AF, Rothman MD, Anderson RJ.** 2015. *Gelidium pristoides* along the South African coast: biomass, accessibility and commercial viability. 29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa. (poster presentation)
- Brand MJ, Bolton JJ, Macey BM.** 2015. Benefits of effluent grown *Ulva* as a feed supplement on the growth, health and microbiome of cultured abalone, *Haliotis midae*. 12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa. (oral presentation)
- Brand MD, Bolton JJ, Macey BM.** 2015. The importance of *Ulva* as a feed supplement for the cultured abalone *Haliotis midae*. 29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa. (oral presentation)
- Christison KW, Vaughan DB.** 2015. *Amyloodinium ocellatum* in captive fish populations and its potential impacts for finfish farming in South Africa. 12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa. (oral presentation)
- Coetzee J, Merkle D, Rademan J.** 2015. "Seas of plenty", a conundrum of sorts for African Penguins. 2nd World Seabird Conference, 26–30 October 2015, Cape Town, South Africa. (oral presentation)
- Cyrus MD, Bolton JJ, Macey BM.** 2015. Echinoculture – a new and exciting chapter for South African aquaculture. 29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa. (oral presentation)
- Cyrus MD, Bolton JJ, Macey BM.** 2015. The uses of stable isotope analysis to track the proportional incorporation of dietary ingredients from aquaculture feeds. 12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa. (oral presentation)
- Dauids A, Leslie R, Gibbons M.** 2015. Geographic and bathymetric overlap between the two common Squaloid sharks, *Squalus acutipinnis* and *Squalus mitsukurii*, caught as by-catch off the coast of South Africa. 3rd Southern African Shark and Ray Symposium, 7–8 September 2015, Cape Town, South Africa. (oral presentation)
- Dyer DC, Bolton JJ, Smit AJ, Anderson RJ.** 2015. From source to sink: tracing the flow of energy through South African kelp beds using stable isotope analysis. 29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa. (poster presentation)
- Dziergwa J, Singh S, Enax J, Bridges C, Kerwath S, Auerswald L.** 2015. Denticle corrosion and other impacts of hypercapnia on a South African shark species. 3rd Southern African Shark and Ray Symposium, 7–8 September 2015,

- Cape Town, South Africa. (oral presentation)
- Foord CJ, Macey BM, Pitcher GC**, Coyne VE. 2015. Paralytic shellfish poisoning toxin accumulation in the abalone *Haliotis midae*. *12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa*. (oral presentation)
- Fouche CH, Goodman, M.** 2015. Development of efficient broodstock conditioning, induced spawning and hatchery methods for the South African spotted grunter (*Pomadourus commersonni*). *12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa*. (oral presentation)
- Githaiga-Mwicigi JM.** 2015. The South African 'chokka' squid *Loligo reynaudii*: which environmental variables are important under a changing climate? *The Cephalopod International Advisory Council (CIAC2015) Conference, 6–14 November 2015, Hakodate, Japan*. (oral presentation)
- Green D, Klages N, Crawford R, **Coetzee J**, Dyer B, Rishworth G, Pistorius P. 2015. Decadal change in the diet of Cape gannets reflects demographic and distributional shifts in commercially important prey species. *2nd World Seabird Conference, 26–30 October 2015, Cape Town, South Africa*. (oral presentation)
- Henning SSt-C, Manley M, **van der Lingen C[D]**. 2015. The presence of *Kudoa paniformis* and *K. thyrssites*, responsible for myoliquifaction, in Cape snoek (*Thyrssites atun*) and South African sardine (*Sardinops sagax*) – a pilot study. *21st South African Association for Food Science and Technology (SAAFoST) Biennial International Congress and Exhibition, 6–9 September 2015, Durban, South Africa*. (poster presentation)
- Johnson VJ, Bolton JJ, **Anderson RJ.** 2015. Molecular systematics of South African *Hypnea* (Rhodophyta). *29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa*. (oral presentation)
- Kutu V**, Bellstedt DU, Mouton A, **Macey BM.** 2015. Diversity of *Lactococcus garvieae* isolated from diseased rainbow trout (*Onchorhynchus mykiss*) farmed in South Africa and Lesotho. *12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa*. (oral presentation)
- Levy S, **Rothman MD**, Wernberg T, Bolton JJ. 2015. How reliable is morphological species delimitation in kelp? A study of two closely related South African *Ecklonia* species. *29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa*. (oral presentation)
- Lombard AT, Sink K, **van der Lingen CD.** 2015. Incorporating pelagic ecosystem services into marine spatial planning. *8th Conference of the Ecosystem Services Partnership, 9–13 November 2015, Stellenbosch, South Africa*. (oral presentation)
- Lutchminarayan K, Bolton JJ, **Rothman MD**, Mattio L. 2015. Using niche modelling to analyse drivers of global distributions of South African kelps. *29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa*. (poster presentation)
- Maapea AD, Vine NG, Clarke A, **Macey BM.** 2015. Development of an egg disinfection protocol for the dusky kob (*Argyrosomus japonicus*). *12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa*. (oral presentation)
- Macey BM**, Bolton JJ, Brand MJ, Scholtz R, du Plessis DS, **Cyrus MD.** 2015. The advantages of *Ulva* as an aquaculture feed supplement. *Aquaculture 2015, 23–26 August 2015, Montpellier, France*. (poster presentation)
- Macey BM, Christison KW, De Goede J**, Hutchings L, **van der Lingen CD.** 2015. Does importation of sardine into South Africa for bait and/or aquaculture feed pose a risk to the local sardine population. *12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa*. (oral presentation)
- Madibana JM, Fouche CH.** 2015. The combined effect of formulated trout food, fishmeal and inactivated yeast, compared to selectively added probiotics or herbal stimulants on the growth performance of South African juvenile dusky kob (*Argyrosomus japonicus*). *12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa*. (oral presentation)
- Mdlalose TI, **Christison KW**, Vosloo A. 2015. Can on-farm blood glucose analyses be used to diagnose hyper- and hypoglycemia in farmed kob, *Argyrosomus japonicus*. *12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa*. (oral presentation)
- Mdlalose TI, **Christison KW**, Vosloo A. 2015. Metabolomic analyses from dried blood spots of cultured South African finfish *Argyrosomus japonicus* infected by the gill parasite *Diplectanum oliveri*. *12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa*. (poster presentation)
- Mogorosi K, Van As LL, **Christison KW.** 2015. Fish parasites of the Orange River System and their potential impacts on aquaculture development in the region. *12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa*. (oral presentation)
- Pitcher GC, Probyn TA.** 2015. Farming in Saldanha Bay. *12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa*. (oral presentation)
- Pitcher GC, Probyn TA.** 2015. Fluctuations in oxygen-depleted bottom waters, including episodic events of anoxia, in St Helena Bay in the southern Benguela upwelling system. *29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa*. (oral presentation)
- Probyn TA, Pitcher GC, du Randt A, Mansfield L.** 2015. The suitability of Vanderkloof dam for the culture of *Oncorhynchus mykiss*. *12th Conference of the Aquaculture Association of Southern Africa, 27–30 September 2015, Polokwane, South Africa*. (poster presentation)
- Reddy MM, Bolton JJ, **Anderson RJ.** 2015. Re-examining the taxonomy of foliose Bangiales ('*Porphyra*') on the South African coast: what do we have and where did they come from? *29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa*. (oral presentation)
- Reed C, Le Roux J, Bowker J, Nunkoo I, Morris T, Weston L, Ssempe N, MacKenzie K, **van der Lingen C[D]**. 2015. The utility of parasite data in southern African applied marine research. *9th International Symposium on Fish Parasites, 31 August–4 September 2015, Valencia, Spain*. (oral presentation)
- Robinson K, Sherley R, Steinfurth A, **Merkle D, Coetzee J**, Underhill L, Makhado A, Crawford R. 2015. African Penguin foraging behaviour and chick condition linked to local fish abundance. *2nd World Seabird Conference, 26–30 October 2015, Cape Town, South Africa*. (oral presentation)
- Rothman MD**, Mattio L, **Anderson RJ**, Bolton JJ. 2015. A molecular investigation of *Laminaria* (Laminariales, Phaeophyta)

- hyceae), focusing on Southern Africa. *29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa.* (oral presentation)
- Rytkief R, Pichegru L, Grémillet D, Ryan P, **Coetzee J**, Green D, Pistorius P. 2015. Cape gannets in contrasting environments: inter-annual responses to fluctuations in prey availability and oceanographic conditions. *2nd World Seabird Conference, 26–30 October 2015, Cape Town, South Africa.* (oral presentation)
- Seakemela SM, Findlay KP, Kirkman S, Kennedy A, Meyer M, Kotze D, **Wilke C**, Vargas A, Ismail H, Mdokwana B, Tsanwani M, Venter K, Zerbini A, **Shabangu FW**, **Louw GG**, van de Poel J, **Engel H**, Snyder L, Hlati K, Masiko O, James B, Morris T, Zepe L, Sofika M. 2015. South African west coast humpback whale dual-vessel cruise. *Humpback Whale World Congress, 'Festival des Baleines', 29 June–3 July 2015, ile Sainte-Marie, Madagascar.* (oral presentation)
- Shabangu FW**, Findlay KP, Best PB, Ensor P, Stafford K. 2015. We hear them in thousands: acoustic distribution and behaviour of Antarctic blue whales. *21st Biennial Conference on Marine Mammals, 13–18 December 2015, San Francisco, USA.* (poster presentation)
- Singh L**, Reed CC, **van der Lingen CD**, Mackenzie K. 2015. Using parasite biotags to elucidate population structure of two *Merluccius* species off South Africa. *9th International Symposium on Fish Parasites, 31 August–4 September 2015, Valencia, Spain.* (oral presentation)
- Smit AJ, Bolton JJ, **Anderson RJ**. 2015. The thermal basis for South African macroalgal distribution. *29th Congress of the Phycological Society of Southern Africa, 22–26 June 2015, St Lucia, South Africa.* (oral presentation)
- van der Heever G, **Leslie R**, **van der Lingen CD**, Gibbons M. 2015. Spatial variability in the diet and stable isotopes of carbon and nitrogen of common demersal sharks around South Africa: evidence for resource partitioning. *3rd Southern African Shark and Ray Symposium, 7–8 September 2015, Cape Town, South Africa.* (oral presentation)
- van der Heever GM, **van der Lingen CD**, **Leslie R**, Gibbons MJ. 2015. Spatial variability in the habitat use patterns of two demersal catsharks caught around SA: evidence for resource partitioning? *3rd Southern African Shark and Ray Symposium, 7–8 September 2015, Cape Town, South Africa.* (oral presentation)
- van der Lingen CD, Coetzee JC. 2015. Changes in the abundance and distribution of small pelagic fish in the southern Benguela. *2nd World Seabird Conference, 26–30 October 2015, Cape Town, South Africa.* (oral presentation)
- Vaughan DB, **Christison KW**. 2015. An investigation of *Amyloodinium ocellatum* in captive fish populations in South Africa and its potential impacts for finfish farming. *3rd Australasian Scientific Conference on Aquatic Animal Health, 6–11 July 2015, Cairns, Queensland, Australia.* (oral presentation)
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