

## 2016 Marine Publications

---

1. Alexander, M.E., Simon, C.A., Griffiths, C.L., Peters, K., Sibanda, S., Miza, S., Groenewald, B., Majiedt, P. et al. 2016. Back to the future: reflections and directions of South African marine bioinvasion research. *African Journal of Marine Science*. 38(1):141-144. DOI:10.2989/1814232X.2016.1159984.
2. Amélineau, F., Bonnet, D., Heitz, O., Mortreux, V., Harding, A.M.A., Karnovsky, N., Walkusz, W., Fort, J. et al. 2016. Microplastic pollution in the Greenland Sea: Background levels and selective contamination of planktivorous diving seabirds. *Environmental Pollution*. 219:1131-1139. DOI:10.1016/j.envpol.2016.09.017.
3. Amélineau, F., Grémillet, D., Bonnet, D., Bot, T.L. & Fort, J. 2016. Where to Forage in the Absence of Sea Ice? Bathymetry As a Key Factor for an Arctic Seabird. *Plos One*. 11(7) DOI:10.1371/journal.pone.0157764.
4. Atkins, J.F., Moloney, C.L., Probyn, T.A. & Bernard, S. 2016. In situ measurements and model estimates of NO<sub>3</sub> and NH<sub>4</sub> uptake by different phytoplankton size fractions in the Southern Benguela upwelling system. *Frontiers in Marine Science*. 3(OCT) DOI:10.3389/fmars.2016.00194.
5. Attwood, C.G., van Zyl, C.S., Lombard, A.T. & McCagh, C. 2016. Seasonally and spatially referenced estimates of recreational shore-angling effort, catch composition, catch rates and total catch in the Goukamma Marine Protected Area, South Africa. *African Journal of Marine Science*. 38(4):563-579. DOI:10.2989/1814232X.2016.1256837.
6. Ball, R.E., Serra-Pereira, B., Ellis, J., Genner, M.J., Iglésias, S., Johnson, A.F., Jones, C.S., Leslie, R. et al. 2016. Resolving taxonomic uncertainty in vulnerable elasmobranchs: are the Madeira skate (*Raja maderensis*) and the thornback ray (*Raja clavata*) distinct species? *Conservation Genetics*. 17(3):565-576. DOI:10.1007/s10592-015-0806-1.
7. Barlow, R., Gibberd, M.-., Lamont, T., Aiken, J. & Holligan, P. 2016. Chemotaxonomic phytoplankton patterns on the eastern boundary of the Atlantic Ocean. *Deep-Sea Research Part I: Oceanographic Research Papers*. 111:73-78. DOI:10.1016/j.dsr.2016.02.011.
8. Becker, P.H., Goutner, V., Ryan, P.G. & González-Solís, J. 2016. Feather mercury concentrations in Southern Ocean seabirds: Variation by species, site and time. *Environmental Pollution*. 216:253-263. DOI:10.1016/j.envpol.2016.05.061.
9. Boehme, L., Baker, A., Fedak, M., Årthun, M., Nicholls, K., Robinson, P., Costa, D., Biuw, M. et al. 2016. Bimodal winter haul-out patterns of adult Weddell seals (*Leptonychotes weddellii*) in the southern Weddell Sea. *Plos One*. 11(5) DOI:10.1371/journal.pone.0155817.

10. Bolton, J.J. 2016. What is aquatic botany?- And why algae are plants: The importance of non-taxonomic terms for groups of organisms. *Aquatic Botany*. 132:1-4. DOI:10.1016/j.aquabot.2016.02.006.
11. Bolton, J.J., Clerck, O.D., Francis, C.M., Siyanga-Tembo, F. & Anderson, R.J. 2016. Two newly discovered Grateloupia (Halymeniaceae, Rhodophyta) species on aquaculture rafts on the west coast of South Africa, including the widely introduced Grateloupia turuturu. *Phycologia*. 55(6):659-664. DOI:10.2216/15-104.1.
12. Bond, A.L., McClelland, G.T.W., Ryan, P.G. & Glass, T. 2016. Using measurements to predict laying order in harvested Northern Rockhopper Penguin (*Eudyptes moseleyi*) eggs. *Emu*. 116(4):467-471. DOI:10.1071/MU16027.
13. Braby, L., Backeberg, B.C., Ansorge, I., Roberts, M.J., Krug, M. & Reason, C.J.C. 2016. Observed eddy dissipation in the Agulhas Current. *Geophysical Research Letters*. 43(15):8143-8150. DOI:10.1002/2016GL069480.
14. Campbell, K.J., Farah, D., Collins, S. & Parsons, N.J. 2016. Sex determination of African Penguins *Spheniscus demersus* using bill measurements: method comparisons and implications for use. *Ostrich*. 87(1):47-55. DOI:10.2989/00306525.2015.1108371.
15. Carruthers, T.R., Kell, L.T., Butterworth, D.D.S., Maunder, M.N., Geromont, H.F., Walters, C., McAllister, M.K., Hillary, R. et al. 2016. Performance review of simple management procedures. *ICES Journal of Marine Science*. 73(2):464-482. DOI:10.1093/icesjms/fsv212.
16. Cawthra, H.C., Compton, J.S., Fisher, E.C., Machutchon, M. & Marean, C.W. 2016. Submerged shorelines and landscape features offshore of Mossel Bay, South Africa. *Geological Society Special Publication*. 411(1):219-233. DOI: 10.1144/SP411.11
17. Charalampopoulou, A., Poulton, A.J., Bakker, D.C.E., Lucas, M.I., Stinchcombe, M.C. & Tyrrell, T. 2016. Environmental drivers of coccolithophore abundance and calcification across Drake Passage (Southern Ocean). *Biogeosciences*. 13(21):5917-5935. DOI:10.5194/bg-13-5917-2016.
18. Clay, T.A., Manica, A., Ryan, P.G., Silk, J.R.D., Croxall, J.P., Ireland, L. & Phillips, R.A. 2016. Proximate drivers of spatial segregation in non-breeding albatrosses. *Scientific Reports*. 6 DOI:10.1038/srep29932.
19. Coll, M., Shannon, L.J., Kleisner, K.M., Juan-Jordá, M.J., Bundy, A., Akoglu, A.G., Banaru, D., Boldt, J.L. et al. 2016. Ecological indicators to capture the effects of fishing on biodiversity and conservation status of marine ecosystems. *Ecological Indicators*. 60:947-962. DOI:10.1016/j.ecolind.2015.08.048.
20. Compton, J.S. & Bergh, E.W. 2016. Phosphorite deposits on the Namibian shelf. *Marine Geology*. 380:290-314. DOI:10.1016/j.margeo.2016.04.006.
21. Cook, T.R., Bonnet, X., Fauvel, T., Shine, R. & Brischoux, F. 2016. Foraging behaviour and energy budgets of sea snakes: Insights from implanted data loggers. *Journal of Zoology*. 298(2):82-93. DOI:10.1111/jzo.12286.

22. Crawford, R.J.M., Randall, R.M., Cook, T.R., Ryan, P.G., Dyer, B.M., Fox, R., Geldenhuys, D., Huisamen, J. et al. 2016. Cape cormorants decrease, move east and adapt foraging strategies following eastward displacement of their main prey. *African Journal of Marine Science*. 38(3):373-383. DOI:10.2989/1814232X.2016.1202861.
23. Cui, X., Bianchi, T.S., Hutchings, J.A., Savage, C. & Curtis, J.H. 2016. Partitioning of organic carbon among density fractions in surface sediments of Fiordland, New Zealand. *Journal of Geophysical Research G: Biogeosciences*. 121(3):1016-1031. DOI:10.1002/2015JG003225.
24. Cui, X., Bianchi, T.S., Savage, C. & Smith, R.W. 2016. Organic carbon burial in fjords: Terrestrial versus marine inputs. *Earth and Planetary Science Letters*. 451:41-50. DOI:10.1016/j.epsl.2016.07.003.
25. Dawson, J., Pillay, D., Roberts, P.J. & Perissinotto, R. 2016. Declines in benthic macroinvertebrate community metrics and microphytobenthic biomass in an estuarine lake following enrichment by hippo dung. *Scientific Reports*. 6 DOI:10.1038/srep37359.
26. De Lecea, A.M., Cooper, R. & Smit, A.J. 2016. Identifying the drivers of the pelagic ecosystem of an oligotrophic bight (KwaZulu-Natal, South Africa) using stable isotopes (d13C, d15N) and C:N ratio analysis. *Marine and Freshwater Research*. 67(11):1750-1761. DOI:10.1071/MF15256.
27. De Vynck, J.C., Anderson, R., Atwater, C., Cowling, R.M., Fisher, E.C., Marean, C.W., Walker, R.S. & Hill, K. 2016. Return rates from intertidal foraging from Blombos Cave to Pinnacle Point: Understanding early human economies. *Journal of Human Evolution*. 92:101-115. DOI:10.1016/j.jhevol.2016.01.008.
28. Dieppois, B., Pohl, B., Rouault, M., New, M., Lawler, D. & Keenlyside, N. 2016. Interannual to interdecadal variability of winter and summer southern African rainfall, and their teleconnections. *Journal of Geophysical Research: Atmospheres*. 121(11):6215-6239. DOI:10.1002/2015JD024576.
29. Ebert, D.A., Straube, N., Leslie, R.W. & Weigmann, S. 2016. *Etmopterus albus* n. sp.: a new lanternshark (Squaliformes: Etmopteridae) from the south-western Indian Ocean. *African Journal of Marine Science*. 38(3):329-340. DOI:10.2989/1814232X.2016.1198275.
30. Fazey, F.M.C. & Ryan, P.G. 2016. Biofouling on buoyant marine plastics: An experimental study into the effect of size on surface longevity. *Environmental Pollution*. 210:354-360. DOI:10.1016/j.envpol.2016.01.026.
31. Fazey, F.M.C. & Ryan, P.G. 2016. Debris size and buoyancy influence the dispersal distance of stranded litter. *Marine Pollution Bulletin*. 110(1):371-377. DOI:10.1016/j.marpolbul.2016.06.039.
32. Fennessy, S.T., Roberts, M.J. & Barlow, R.G. 2016. An editorial synthesis of the ACEP project: Ecosystem Processes in the KwaZulu-Natal Bight. *African Journal of Marine Science*. 38:S217-S223. DOI:10.2989/1814232X.2016.1195778.

33. Fort, J., Grémillet, D., Traisnel, G., Amélineau, F. & Bustamante, P. 2016. Does temporal variation of mercury levels in Arctic seabirds reflect changes in global environmental contamination, or a modification of Arctic marine food web functioning? *Environmental Pollution*. 211:382-388. DOI:10.1016/j.envpol.2015.12.061.
34. Frederiksen, M., Descamps, S., Erikstad, K.E., Gaston, A.J., Gilchrist, H.G., Grémillet, D., Johansen, K.L., Kolbeinsson, Y. et al. 2016. Migration and wintering of a declining seabird, the thick-billed murre *Uria lomvia*, on an ocean basin scale: Conservation implications. *Biological Conservation*. 200:26-35. DOI:10.1016/j.biocon.2016.05.011.
35. Froese, R., Walters, C., Pauly, D., Winker, H., Weyl, O.L.F., Demirel, N., Tsikliras, A.C. & Holt, S.J. 2016. A critique of the balanced harvesting approach to fishing. *ICES Journal of Marine Science*. 73(6):1640-1650. DOI:10.1093/icesjms/fsv122.
36. Froese, R., Walters, C., Pauly, D., Winker, H., Weyl, O.L.F., Demirel, N., Tsikliras, A.C. & Holt, S.J. 2016. Reply to Andersen et al. (2016) "assumptions behind size-based ecosystem models are realistic". *ICES Journal of Marine Science*. 73(6):1656-1658. DOI:10.1093/icesjms/fsv273.
37. Geja, Y., Durholtz, M.D. & Moloney, C.L. 2016. Age and growth of redeye round herring *Etrumeus whiteheadi* off the South African coast. *African Journal of Marine Science*. 38(4):493-501. DOI:10.2989/1814232X.2016.1247013.
38. Gersun, L., Anderson, R.J., Hart, J.R., Maneveldt, G.W. & Bolton, J.J. 2016. Sublittoral seaweed communities on natural and artificial substrata in a high-latitude coral community in South Africa. *African Journal of Marine Science*. 38(3):303-316. DOI:10.2989/1814232X.2016.1196727.
39. Giakoumi, S., Guilhaumon, F., Kark, S., Terlizzi, A., Claudet, J., Felling, S., Cerrano, C., Coll, M. et al. 2016. Space invaders; biological invasions in marine conservation planning. *Diversity and Distributions*. 22(12):1220-1231. DOI:10.1111/ddi.12491.
40. Gongol, C. & Savage, C. 2016. Spatial variation in rates of benthic denitrification and environmental controls in four New Zealand estuaries. *Marine Ecology Progress Series*. 556:59-77. DOI:10.3354/meps11865.
41. Grecian, W.J., Witt, M.J., Attrill, M.J., Bearhop, S., Becker, P.H., Egevang, C., Furness, R.W., Godley, B.J. et al. 2016. Seabird diversity hotspot linked to ocean productivity in the Canary Current Large Marine Ecosystem. *Biology Letters*. 12(8) DOI:10.1098/rsbl.2016.0024.
42. Grémillet, D., Péron, C., Kato, A., Amélineau, F., Ropert-Coudert, Y., Ryan, P.G. & Pichegru, L. 2016. Starving seabirds: unprofitable foraging and its fitness consequences in Cape gannets competing with fisheries in the Benguela upwelling ecosystem. *Marine Biology*. 163(2):1-11. DOI:10.1007/s00227-015-2798-2.
43. Grüss, A., Schirripa, M.J., Chagaris, D., Velez, L., Shin, Y.-., Verley, P., Oliveros-Ramos, R. & Ainsworth, C.H. 2016. Estimating natural mortality rates and simulating fishing scenarios

- for Gulf of Mexico red grouper (*Epinephelus morio*) using the ecosystem model OSMOSE-WFS. *Journal of Marine Systems*. 154:264-279. DOI:10.1016/j.jmarsys.2015.10.014.
44. Grüss, A., Yemane, D. & Fairweather, T.P. 2016. Exploring the spatial distribution patterns of South African Cape hakes using generalised additive models. *African Journal of Marine Science*. 38(3):395-409. DOI:10.2989/1814232X.2016.1218367.
45. Guastella, L.A. & Roberts, M.J. 2016. Dynamics and role of the Durban cyclonic eddy in the KwaZulu-Natal Bight ecosystem. *African Journal of Marine Science*. 38:S23-S42. DOI:10.2989/1814232X.2016.1159982.
46. Gutowski, J.W., Giorgi, F., Timbal, B., Frigon, A., Jacob, D., Kang, H.-., Raghavan, K., Lee, B. et al. 2016. WCRP COordinated Regional Downscaling EXperiment (CORDEX): A diagnostic MIP for CMIP6. *Geoscientific Model Development*. 9(11):4087-4095. DOI:10.5194/gmd-9-4087-2016.
47. Hahn, A., Compton, J.S., Meyer-Jacob, C., Kirsten, K.L., Lucassen, F., Pérez Mayo, M., Schefuß, E. & Zabel, M. 2016. Holocene paleo-climatic record from the South African Namaqualand mudbelt: A source to sink approach. *Quaternary International*. 404:121-135. DOI:10.1016/j.quaint.2015.10.017.
48. Halouani, G., Ben Rais Lasram, F., Shin, Y.-., Velez, L., Verley, P., Hattab, T., Oliveros-Ramos, R., Diaz, F. et al. 2016. Modelling food web structure using an end-to-end approach in the coastal ecosystem of the Gulf of Gabes (Tunisia). *Ecological Modelling*. 339:45-57. DOI:10.1016/j.ecolmodel.2016.08.008.
49. Herrmann, N., Boom, A., Carr, A.S., Chase, B.M., Granger, R., Hahn, A., Zabel, M. & Schefuß, E. 2016. Sources, transport and deposition of terrestrial organic material: A case study from southwestern Africa. *Quaternary Science Reviews*. 149:215-229. DOI:10.1016/j.quascirev.2016.07.028.
50. Hobday, A.J., Cochrane, K., Downey-Breedt, N., Howard, J., Aswani, S., Byfield, V., Duggan, G., Duna, E. et al. 2016. Planning adaptation to climate change in fast-warming marine regions with seafood-dependent coastal communities. *Reviews in Fish Biology and Fisheries*. 26(2):249-264. DOI:10.1007/s11160-016-9419-0.
51. Hutchinson, K., Swart, S., Meijers, A., Ansorge, I. & Speich, S. 2016. Decadal-scale thermohaline variability in the Atlantic sector of the Southern Ocean. *Journal of Geophysical Research: Oceans*. 121(5):3171-3189. DOI:10.1002/2015JC011491.
52. Idris, I., Moloney, C.L. & van der Lingen, C.D. 2016. Spatial variability in branchial basket meristics and morphology of southern African sardine *Sardinops sagax*. *African Journal of Marine Science*. 38(3):351-362. DOI:10.2989/1814232X.2016.1204942.
53. José, Y.S., Penven, P., Aumont, O., Machu, E., Moloney, C.L., Shillington, F. & Maury, O. 2016. Suppressing and enhancing effects of mesoscale dynamics on biological production in the Mozambique Channel. *Journal of Marine Systems*. 158:129-139. DOI:10.1016/j.jmarsys.2016.02.003.

54. Karlson, A.M.L., Niemand, C., **Savage, C.** & Pilditch, C.A. 2016. Density of key-species determines efficiency of macroalgae detritus uptake by intertidal benthic communities. *Plos One*. 11(7) DOI:10.1371/journal.pone.0158785.
55. Kawai, H., Hanyuda, T., **Bolton, J. & Anderson, R.** 2016. Molecular phylogeny of Zeacarpa (Ralfsiales, Phaeophyceae) proposing a new family Zeacarpaceae and its transfer to Nemodermatales. *Journal of Phycology*. 52(4):682-686. DOI:10.1111/jpy.12419.
56. Kemeny, P.C., Weigand, M.A., Zhang, R., Carter, B.R., Karsh, K.L., **Fawcett, S.E.** & Sigman, D.M. 2016. Enzyme-level interconversion of nitrate and nitrite in the fall mixed layer of the Antarctic Ocean. *Global Biogeochemical Cycles*. 30(7):1069-1085. DOI:10.1002/2015GB005350.
57. **Kirkman, S.P., Blamey, L., Lamont, T., Field, J.G., Bianchi, G., Huggett, J.A., Hutchings, L., Jackson-Veitch, J. et al.** 2016. Spatial characterisation of the Benguela ecosystem for ecosystem-based management. *African Journal of Marine Science*. 38(1):7-22. DOI:10.2989/1814232X.2015.1125390.
58. Krumhansl, K.A., Okamoto, D.K., Rassweiler, A., Novak, M., **Bolton, J.J.**, Cavanaugh, K.C., Connell, S.D., Johnson, C.R. et al. 2016. Global patterns of kelp forest change over the past half-century. *Proceedings of the National Academy of Sciences of the United States of America*. 113(48):13785-13790. DOI:10.1073/pnas.1606102113.
59. **Laird, M.C. & Griffiths, C.L.** 2016. Additions to the South African sea anemone (Cnidaria, Actiniaria) fauna, with expanded distributional ranges for known species. *African Invertebrates*. 57(1):15-37. DOI:10.3897/afrinvertebr.57.8459.
60. **Lamont, T.**, Van Den Berg, M.A. & **Barlow, R.G.** 2016. Agulhas current influence on the shelf dynamics of the KwaZulu-Natal bight. *Journal of Physical Oceanography*. 46(4):1323-1338. DOI:10.1175/JPO-D-15-0152.1.
61. Lee, Y.J., Matrai, P.A., Friedrichs, M.A.M., Saba, V.S., Aumont, O., Babin, M., Buitenhuis, E.T., Chevallier, M. **et al.** 2016. Net primary productivity estimates and environmental variables in the Arctic Ocean: An assessment of coupled physical-biogeochemical models. *Journal of Geophysical Research: Oceans*. 121(12):8635-8669. DOI:10.1002/2016JC011993.
62. Lescroël, A., Mathevet, R., Péron, C., Authier, M., Provost, P., Takahashi, A. & **Grémillet, D.** 2016. Seeing the ocean through the eyes of seabirds: A new path for marine conservation? *Marine Policy*. 68:212-220. DOI:10.1016/j.marpol.2016.02.015.
63. **Lockerbie, E.M., Shannon, L.J. & Jarre, A.** 2016. The use of ecological, fishing and environmental indicators in support of decision making in southern Benguela fisheries. *Ecological Indicators*. 69:473-487. DOI:10.1016/j.ecolind.2016.04.035.
64. Macey, B.M., Christison, K.W., de Goede, J., **Hutchings, L. & van der Lingen, C.D.** 2016. Testing for the occurrence of pilchard herpesvirus (PHV) in South African sardine *Sardinops sagax*. *African Journal of Marine Science*. 38(2):269-273. DOI:10.2989/1814232X.2016.1182069.

65. MacKinnon, R.B., Landschoff, J. & Griffiths, C.L. 2016. Rediscovery and first South African records of the parasitic copepod *Cancerilla oblonga* Bartsch, 1975 (Crustacea, Cancerillidae). *African Invertebrates*. 57(2Special Issue):105-109. DOI:10.3897/AfrInvertebr.57.9775.
66. Massie, P.P., McIntyre, T., Ryan, P.G., Bester, M.N., Bornemann, H. & Ansorge, I.J. 2016. The role of eddies in the diving behaviour of female southern elephant seals. *Polar Biology*. 39(2):297-307. DOI:10.1007/s00300-015-1782-0.
67. Mattio, L., Zubia, M., Maneveldt, G.W., Anderson, R.J., Bolton, J.J., de Gaillande, C., De Clerck, O. & Payri, C.E. 2016. Marine flora of the Iles Eparses (Scattered Islands): A longitudinal transect through the Mozambique Channel. *Acta Oecologica*. 72:33-40. DOI:10.1016/j.actao.2015.09.001.
68. Mayzaud, P., Falk-Petersen, S., Noyon, M., Wold, A. & Boutoute, M. 2016. Lipid composition of the three co-existing *Calanus* species in the Arctic: impact of season, location and environment. *Polar Biology*. 39(10):1819-1839. DOI:10.1007/s00300-015-1725-9.
69. O'Connell-Milne, S., Savage, C. & Rayment, W. 2016. The influence of commercial harvesting on parasite infection in the bivalve *Austrovenus stutchburyi*. *Canadian Journal of Fisheries and Aquatic Sciences*. 73(6):982-989. DOI:10.1139/cjfas-2015-0401.
70. O'Connell-Milne, S.A., Poulin, R., Savage, C. & Rayment, W. 2016. Reduced growth, body condition and foot length of the bivalve *Austrovenus stutchburyi* in response to parasite infection. *Journal of Experimental Marine Biology and Ecology*. 474:23-28. DOI:10.1016/j.jembe.2015.09.012.
71. Olsen, E.K., De Cerf, C.K., Dziwornu, G.A., Puccinelli, E., Ansorge, I.J., Samaai, T., Dingle, L.M.K., Edkins, A.L. et al. 2016. Cytotoxic activity of marine sponge extracts from the sub-Antarctic Islands and the Southern Ocean. *South African Journal of Science*. 112(11-12) DOI:10.17159/sajs.2016/20160202.
72. Pascin, O., Attwood, C. & Klaus, R. 2016. Marine systematic conservation planning for Rodrigues Island, western Indian Ocean. *Ocean and Coastal Management*. 130:213-220. DOI:10.1016/j.ocecoaman.2016.06.014.
73. Pichegru, L., Edwards, T.B., Dilley, B.J., Flower, T.P. & Ryan, P.G. 2016. African Penguin tolerance to humans depends on historical exposure at colony level. *Bird Conservation International*. 26(3):307-322. DOI:10.1017/S0959270915000313.
74. Pivan, X., Krug, M. & Herbette, S. 2016. Observations of the vertical and temporal evolution of a Natal Pulse along the Eastern Agulhas Bank. *Journal of Geophysical Research: Oceans*. 121(9):7108-7122. DOI:10.1002/2015JC011582.
75. Pretorius, M., Huggett, J.A. & Gibbons, M.J. 2016. Summer and winter differences in zooplankton biomass, distribution and size composition in the KwaZulu-Natal Bight, South Africa. *African Journal of Marine Science*. 38:S155-S168. DOI:10.2989/1814232X.2016.1144650.

76. Puccinelli, E., McQuaid, C.D. & Noyon, M. 2016. Absence of an effect of freshwater input on the stable isotope and fatty acid signatures of intertidal filter-feeders. *African Journal of Marine Science*. 38(4):481-492. DOI:10.2989/1814232X.2016.1227277.
77. Puccinelli, E., McQuaid, C.D. & Noyon, M. 2016. Spatio-temporal variation in effects of upwelling on the fatty acid composition of benthic filter feeders in the Southern Benguela ecosystem: Not all upwelling is equal. *Plos One*. 11(8) DOI:10.1371/journal.pone.0161919.
78. Puccinelli, E., Noyon, M. & McQuaid, C.D. 2016. Does proximity to urban centres affect the dietary regime of marine benthic filter feeders? *Estuarine, Coastal and Shelf Science*. 169:147-157. DOI:10.1016/j.ecss.2015.12.017.
79. Puccinelli, E., Noyon, M. & McQuaid, C.D. 2016. Hierarchical effects of biogeography and upwelling shape the dietary signatures of benthic filter feeders. *Marine Ecology Progress Series*. 543:37-54. DOI:10.3354/meps11567.
80. Punt, A.E., Butterworth, D.S., de Moor, C.L., De Oliveira, J.A.A. & Haddon, M. 2016. Management strategy evaluation: Best practices. *Fish and Fisheries*. 17(2):303-334. DOI:10.1111/faf.12104.
81. Ramirez, M.T., Allison, M.A., Bianchi, T.S., Cui, X., Savage, C., Schüller, S.E., Smith, R.W. & Vetter, L. 2016. Modern deposition rates and patterns of organic carbon burial in Fiordland, New Zealand. *Geophysical Research Letters*. 43(22):11,768-"11,776". DOI:10.1002/2016GL070021.
82. Riser, S.C., Freeland, H.J., Roemmich, D., Wijffels, S., Troisi, A., Belbéoch, M., Gilbert, D., Xu, J. et al. 2016. Fifteen years of ocean observations with the global Argo array. *Nature Climate Change*. 6(2):145-153. DOI:10.1038/nclimate2872.
83. Roberts, M.J., Nieuwenhuys, C. & Guastella, L.A. 2016. Circulation of shelf waters in the KwaZulu-Natal Bight, South Africa. *African Journal of Marine Science*. 38:S7-S21. DOI:10.2989/1814232X.2016.1175383.
84. Robertson, B.P., Savage, C., Gardner, J.P.A., Robertson, B.M. & Stevens, L.M. 2016. Optimising a widely-used coastal health index through quantitative ecological group classifications and associated thresholds. *Ecological Indicators*. 69:595-605. DOI:10.1016/j.ecolind.2016.04.003.
85. Robertson, B.C., Stephenson, B.M., Ronconi, R.A., Goldstien, S.J., Shepherd, L., Tennyson, A., Carlile, N. & Ryan, P.G. 2016. Phylogenetic affinities of the *Fregetta* storm-petrels are not black and white. *Molecular Phylogenetics and Evolution*. 97:170-176. DOI:10.1016/j.ympev.2016.01.004.
86. Robinson, T.B., Alexander, M.E., Simon, C.A., Griffiths, C.L., Peters, K., Sibanda, S., Miza, S., Groenewald, B. et al. 2016. Lost in translation? Standardising the terminology used in marine invasion biology and updating South African alien species lists. *African Journal of Marine Science*. 38(1):129-140. DOI:10.2989/1814232X.2016.1163292.



87. Rollinson, D.P., Dilley, B.J., Davies, D. & Ryan, P.G. 2016. Diving behaviour of Grey Petrels and its relevance for mitigating long-line by-catch. *Emu*. 116(4):340-349. DOI:10.1071/MU15032.
88. Roscales, J.L., González-Solís, J., Zango, L., Ryan, P.G. & Jiménez, B. 2016. Latitudinal exposure to DDTs, HCB, PCBs, PBDEs and DP in giant petrels (*Macronectes* spp.) across the Southern Ocean. *Environmental Research*. 148:285-294. DOI:10.1016/j.envres.2016.04.005.
89. Rouault, M., Verley, P. & Backeberg, B. 2016. Wind changes above warm Agulhas Current eddies. *Ocean Science*. 12(2):495-506. DOI:10.5194/os-12-495-2016.
90. Roxy, M.K., Modi, A., Murtugudde, R., Valsala, V., Panickal, S., Prasanna Kumar, S., Ravichandran, M., Vichi, M. et al. 2016. A reduction in marine primary productivity driven by rapid warming over the tropical Indian Ocean. *Geophysical Research Letters*. 43(2):826-833. DOI:10.1002/2015GL066979.
91. Ryan, P.G., Cole, G., Spiby, K., Nel, R., Osborne, A. & Perold, V. 2016. Impacts of plastic ingestion on post-hatchling loggerhead turtles off South Africa. *Marine Pollution Bulletin*. 107(1):155-160. DOI:10.1016/j.marpolbul.2016.04.005.
92. Ryan, P.G., de Bruyn, P.J.N. & Bester, M.N. 2016. Regional differences in plastic ingestion among Southern Ocean fur seals and albatrosses. *Marine Pollution Bulletin*. 104(1-2):207-210. DOI:10.1016/j.marpolbul.2016.01.032.
93. Scharler U.M., Ayers M.J., de Lecea A.M., Pretorius M., Fennessy S.T., Huggett J.A., MacKay C.F. & Muir D. 2016. Riverine influence determines nearshore heterogeneity of nutrient (C,N,P) content and stoichiometry in the KwaZulu-Natal Bight, South Africa. *African Journal of Marine Science*. 38:sup1, S193-S203. DOI: 10.2989/1814232X.2016.1150347
94. Schoombie, S., Crawford, R.J.M., Makhado, A.B., Dyer, B.M. & Ryan, P.G. 2016. Recent population trends of sooty and light-mantled albatrosses breeding on Marion Island. *African Journal of Marine Science*. 38(1):119-127. DOI:10.2989/1814232X.2016.1162750.
95. Tagliabue, A., Aumont, O., Death, R., Dunne, J.P., Dutkiewicz, S., Galbraith, E., Misumi, K., Moore, J.K. et al. 2016. How well do global ocean biogeochemistry models simulate dissolved iron distributions? *Global Biogeochemical Cycles*. 30(2):149-174. DOI:10.1002/2015GB005289.
96. Techow, N.M.S.M., O'Ryan, C., Robertson, C.J.R. & Ryan, P.G. 2016. The origins of white-chinned petrels killed by long-line fisheries off South Africa and New Zealand. *Polar Research*. 35(2016) DOI:10.3402/polar.v35.21150.
97. Thorson, J.T., Rindorf, A., Gao, J., Hanselman, D.H. & Winker, H. 2016. Density-dependent changes in effective area occupied for sea-bottom-associated marine fishes. *Proceedings of the Royal Society B: Biological Sciences*. 283(1840) DOI:10.1098/rspb.2016.1853.
98. Trudelle, L., Cerchio, S., Zerbini, A.N., Geyer, Y., Mayer, F.-., Jung, J.-., Hervé, M.R., Pous, S. et al. 2016. Influence of environmental parameters on movements and habitat utilization

- of humpback whales (*Megaptera novaeangliae*) in the Madagascar breeding ground. *Royal Society Open Science*. 3(12) DOI:10.1098/rsos.160616.
99. Valle, S., Barros, N., Ramírez, I. & Wanless, R.M. 2016. Population estimates of the breeding birds of the Tinhosas islands (Gulf of Guinea), the only major seabird colony of the eastern tropical Atlantic. *Ostrich*. 87(3):209-215. DOI:10.2989/00306525.2016.1207720.
  100. Van Eeden, R., Reid, T., Ryan, P.G. & Pichegru, L. 2016. Fine-scale foraging cues for African penguins in a highly variable marine environment. *Marine Ecology Progress Series*. 543:257-271. DOI:10.3354/meps11557.
  101. van der Lingen, C.D., Hutchings, L., Lamont, T. & Pitcher, G.C. 2016. Climate change, dinoflagellate blooms and sardine in the southern Benguela Current Large Marine Ecosystem. *Environmental Development*. 17:230-243. DOI:10.1016/j.envdev.2015.09.004.
  102. Van Der Vyver, J.S.F., Sauer, W.H.H., McKeown, N.J., Yemane, D., Shaw, P.W. & Lipinski, M.R. 2016. 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 United Kingdom*. 96(7):1507-1525. DOI:10.1017/S0025315415001794.
  103. Verheye, H.M., Lamont, T., Huggett, J.A., Kreiner, A. & Hampton, I. 2016. Plankton productivity of the Benguela Current Large Marine Ecosystem (BCLME). *Environmental Development*. 17:75-92. DOI:10.1016/j.envdev.2015.07.011.
  104. Visinelli, L., Masina, S., Vichi, M., Storto, A. & Lovato, T. 2016. Impacts of data assimilation on the global ocean carbonate system. *Journal of Marine Systems*. 158:106-119. DOI:10.1016/j.jmarsys.2016.02.011.
  105. Watermeyer, K.E., Hutchings, L., Jarre, A. & Shannon, L.J. 2016. Patterns of distribution and spatial indicators of ecosystem change based on key species in the southern Benguela. *Plos One*. 11(7) DOI:10.1371/journal.pone.0158734.
  106. Weller, F., Sherley, R.B., Waller, L.J., Ludynia, K., Geldenhuys, D., Shannon, L.J. & Jarre, A. 2016. System dynamics modelling of the Endangered African penguin populations on Dyer and Robben islands, South Africa. *Ecological Modelling*. 327:44-56. DOI:10.1016/j.ecolmodel.2016.01.011.
  107. Whitehead, T.O., Kato, A., Ropert-Coudert, Y. & Ryan, P.G. 2016. Habitat use and diving behaviour of macaroni *Eudyptes chrysolophus* and eastern rockhopper *E. chrysocome* filholi penguins during the critical pre-moult period. *Marine Biology*. 163(1):1-20. DOI:10.1007/s00227-015-2794-6.
  108. Whittington, P.A., Ford, R.J.M.C., Martin, A.P., Randall, R.M., Brown, M., Ryan, P.G., Dyer, B.M., Harrison, K.H.B. et al. 2016. Recent Trends of the Kelp Gull (*Larus dominicanus*) in South Africa. *Waterbirds*. 39(sp1):99-113. DOI:10.1675/063.039.sp102.

109. Wright, A.G., Pérez-Portela, R. & Griffiths, C.L. 2016. Determining the correct identity of South African Marthasterias (Echinodermata: Asteroidea). *African Journal of Marine Science*. 38(3):443-455. DOI:10.2989/1814232X.2016.1222308.
110. Wündsch, M., Haberzettl, T., Kirsten, K.L., Kasper, T., Zabel, M., Dietze, E., Baade, J., Daut, G. et al. 2016. Sea level and climate change at the southern Cape coast, South Africa, during the past 4.2 kyr. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 446:295-307. DOI:10.1016/j.palaeo.2016.01.027.
111. Zhao, X., Dupont, L., Meadows, M.E. & Wefer, G. 2016. Pollen distribution in the marine surface sediments of the mudbelt along the west coast of South Africa. *Quaternary International*. 404:44-56. DOI:10.1016/j.quaint.2015.09.032.
112. Zhao, X., Dupont, L., Schefuß, E., Meadows, M.E., Hahn, A. & Wefer, G. 2016. Holocene vegetation and climate variability in the winter and summer rainfall zones of South Africa. *Holocene*. 26(6):843-857. DOI: 10.1177/0959683615622544.