



MA-RE PUBLICATIONS FOR 2009

No.	Type	Department	Reference
1	Chapter	MA-RE Institute	
2	Journal	MA-RE Institute	K. L. Cochrane, C. J. Augustyn, T. Fairweather, D. Japp, K. Kilongo, J. Iitembu, N. Moroff, J. P. Roux, L. Shannon, B. Van Zyl, and F. Vaz Velho. Benguela Current Large Marine Ecosystem—Governance and Management for an Ecosystem Approach to Fisheries in the Region. 2009. <i>Coastal Management</i> , 37:235–254
3	Journal	Zoology	Raymond T. Pollard, Ian Salter, Richard J. Sanders, Mike I. Lucas, C. Mark Moore, Rachel A. Mills, Peter J. Statham, John T. Allen, Alex R. Baker, Dorothee C. E. Bakker, Matthew A. Charette, Sophie Fielding, Gary R. Fones, Megan French, Anna E. Hickman, Ross J. Holland, J. Alan Hughes, Timothy D. Jickells, Richard S. Lampitt, Paul J. Morris, Florence H. Ne'de'lec, Maria Nielsdo'ttir, He'le'ne Planquette, Ekaterina E. Popova, Alex J. Poulton, Jane F. Read, Sophie Seeyave, Tania Smith, Mark Stinchcombe, Sarah Taylor, Sandy Thomalla, Hugh J. Venables, Robert Williamson & Mike V. Zubkov. Southern Ocean deep-water carbon export enhanced by natural iron fertilization. 2009. <i>Nature</i> , Vol 457.
4	Journal	Animal Demography Unit	Reneerkens, J., Benhoussa, A., Boland, H., Collier, M., Grond, K., Günther, K., Hallgrimsson, G.T., Hansen, J., Meissner, W., de Meulenaer, B., Ntiamao-Baidu, Y., Piersma, T., Poot, M., van Roomen, M., Summers, R.W., Tomkovich, P.S. & Underhill, L.G. 2009. Sanderlings using African–Eurasian flyways: a review of current knowledge. <i>Wader Study Group Bull.</i> 116(1): 2–20
5	Journal	Oceanography	R.E. Roman, J.R.E. Lutjeharms. Red Sea Intermediate Water in the source regions of the Agulhas Current. <i>Deep-Sea Research I</i> 56 (2009) 939–962
6	Journal	MA-RE Institute	L.J. Shannon, M. Coll & S. Neira. Exploring the dynamics of ecological indicators using food web models fitted to time series of abundance and catch data. <i>Ecological Indicators</i> 9 (2009) 1078–1095
7	Journal	Animal Demography Unit	Kirkman, S.P. 2009. Evaluating seal-seabird interactions in southern Africa: a critical review. <i>African Journal of Marine Science</i> . vol 31 no 1.
8	Journal	Animal Demography Unit	Wolfaardt, AC, Underhill, LG and Crawford, RJM. 2009 Comparison of moult phenology of African Penguins <i>Spheniscus demersus</i> at Robben and Dassen islands. <i>African Journal of Marine Science</i> . vol 31 no 1.
9	Journal	Animal Demography Unit	Wolfaardt, AC, Williams AJ, Underhill, Crawford RJM and Whittington, PA. Review of the rescue, rehabilitation and restoration of oiled seabirds in South Africa, especially African Penguins <i>Spheniscus demersus</i> and Cape Gannets <i>Morus capensis</i> , 1983-2005. <i>African Journal of Marine Science</i> . vol 31 no 1.
10	Journal	Animal Demography Unit	Williams AJ, Petersen SL, Goren M and Watkins BP. 2009. Sightings of Killer Whales <i>Orcinus orca</i> from longline vessels in South African waters, and consideration of the regional conservation status. <i>African Journal of Marine Science</i> . vol 31 no 1.
11	Journal	Animal Demography Unit	Petersen SL, Honig MB, Ryan PG, Nel R and Underhill LG. 2009. Turtle bycatch in the pelagic longline fishery off southern Africa. <i>African Journal of Marine Science</i> . vol 31 no 1.
12	Journal	Oceanography	M Rouault, J Servain, CJC Reason, B Bourlès, MJ Rouault and N Fauchereau. 2009 Extension of PIRATA in the tropical South-East Atlantic: an initial one-year experiment. <i>African Journal of Marine Science</i> 2009, 31(1): 63–71
13	Journal	MA-RE Institute	GRANT C. PITCHER AND LINDA B. JOYCE. 2009. Dinoflagellate cyst production on the southern Namaqua shelf of the Benguela upwelling system. <i>JOURNAL OF PLANKTON RESEARCH</i> . Vol.00 Number 0 pages 1–11
14	Journal	Animal Demography Unit	Les G Underhill, Richard B Sherley, Bruce M Dyer and Robert JM Crawford. 2009. Interactions between snakes and seabirds on Robben, Schaapen and Meeuw Islands, Western Cape province, South Africa. <i>OSTRICH</i> 80(2): 115–118
15	Journal	MA-RE Institute	Barbara Paterson & Samantha L. Petersen. 2009. EAF implementation in Southern Africa: Lessons learnt. <i>Marine Policy</i> . In press

16	Journal	Zoology	Paul A. de Bruyn, Coleen L. Moloney, and Michael H. Schleyer. 2008. Application of age-structured production models to <i>Striostrea margaritacea</i> populations. International Council for the Exploration of the Sea. Published by Oxford Journals. pp 408 - 419
17	Journal	Zoology	S Sono, CL Moloney and CD van der Lingen, 2009. Assessing the utility of a continuous, underway fish egg sampler (CUFES) for sampling zooplankton African Journal of Marine Science. 31(2): 181–189
18	Journal	MA-RE Institute	M. Traversa, Y.-J. Shin, S. Jennings, E. Machu, J.A. Huggett, J.G. Field, P.M. Cury. in press. Two-way coupling versus one-way forcing of plankton and fish models to predict ecosystem changes in the Benguela. Ecological Modelling 2009, doi:10.1016/j.ecolmodel.2009.08.016
19	Journal	Oceanography	Biaostoch, A., L. Beal, J. R. E. Lutjeharms and T. G. D. Casal. 2009. Variability and coherence of the Agulhas Undercurrent in a high-resolution Ocean General Circulation Model. Journal of Physical Oceanography, 39(10): 2417-2426
20	Journal	Oceanography	Backeberg, B. C., L. Bertino and J.A. Johannessen (2009). Evaluating two numerical advection schemes in HYCOM for eddy-resolving modelling of the Agulhas Current. Ocean Sci. 5, 173-190.
21	Journal	Oceanography	Bernard S., T. A. Probyn and A. Quirantes (2009). Simulating the optical properties of phytoplankton cells using a two-layered spherical geometry. Biogeosciences Discussion. 6, 1497-1563
22	Journal	Oceanography	Biaostoch A, Boning CW, Schwarzkopf FU, et al. (2009). Increase in Agulhas leakage due to poleward shift of Southern Hemisphere westerlies . NATURE Vol. (462), 495-499
23	Journal	Oceanography	Blamey, R. and C.J.C. Reason (2009). Numerical Simulation of a Mesoscale Convective System over the east coast of South Africa. Tellus, 61, 17-34
24	Journal	Oceanography	Fauchereau, N., B. Pohl, Y. Richard, C.J.C. Reason, M. Rouault (2009). Recurrent daily OLR patterns in the Southern Africa / Southwest Indian Ocean region, implications for South African rainfall and teleconnections. Climate Dynamics, DOI: 10.1007/s00382-008-0426-7
25	Journal	Oceanography	Hansingo, K. and C.J.C. Reason (2009). Modelling the atmospheric response over southern Africa to SST forcing in the southeast tropic Atlantic and southwest subtropical Indian Oceans. Int. J. Climatol. 29, 1001-1012.
26	Journal	Oceanography	Heileman, S., J. R. E. Lutjeharms and L. E. P. Scott (2009). Agulhas Current LME. In Marine Ecosystem Report: A Perspective on Changing Conditions in LMEs of the World's Regional Seas, editors: K. Sherman and G. Hempel, UNEP Regional Seas Report and Studies 182, 145-158
27	Journal	Oceanography	Hermes, J. and C.J.C. Reason (2009). The sensitivity of the Seychelles-Chagos Thermocline Ridge to large scale wind anomalies. ICES Journal of Marine Science Special Issue: Proceedings of the International Symposium on Effects of Climate Change on the World's Oceans, 66, 1455-1466, doi: 10.1093/icesjms/fsp074.
28	Journal	Oceanography	Hermes, J.C. and C.J.C. Reason (2009). Variability in sea-surface temperature and winds in the tropical south-east Atlantic Ocean and regional rainfall relationships. Int. J. Climatol. 29, 11-21.
29	Journal	Oceanography	Hutchings, L., C.D. van der Lingen, L.J. Shannon, R.J.M. Crawford, H.M.S. Verheye, C.H. Bartholomae, A.K. van der Plas, D. Louw, A. Kreiner, M. Ostrowski, Q. Fidel, R.G. Barlow, T. Lamont, J. Coetzee, F. Shillington, J. Veitch, J.C. Currie, P.M.S. Monteiro (2009). The Benguela Current: An ecosystem of four components. Progress in Oceanography 83, 15-32
30	Journal	Oceanography	Kijazi, A., and C.J.C. Reason (2009). Analysis of the 2006 floods over northern Tanzania. Int. J. Climatol. 29, 955-970.
31	Journal	Oceanography	Kijazi, A.L., and C.J.C. Reason (2009). Analysis of the 1998-2005 drought over the north-eastern highlands of Tanzania; an observational study. Climate Res., 38, 209-223.
32	Journal	Oceanography	Mavume A, L Rydberg, M Rouault and J.R.E. Lutjeharms (2009). Climatology and Landfall of Tropical Cyclones in the South-West Indian Ocean. Western Indian Ocean J. Mar. Sci. Vol. 8, 1, pp 15-36.
33	Journal	Oceanography	Paldor, N., and J. R. E. Lutjeharms (2009). Why is the stability of the Agulhas Current geographically bi-modal? Geophysical Research Letters, 36, L14604, doi: 10.1029/2009GL038445.
34	Journal	Oceanography	Palmer, C. and C.J.C. Reason (2009). Relationships of surface bromoform concentrations with mixed layer depth and salinity in the tropical oceans. Global Biogeochem. Cycles. 23, GB2014. doi:10.1029/2008GB003338.
35	Journal	Oceanography	Philander S. George, (2009) Where Are You From? Why Are You Here? An African Perspective on Global Warming Annual Review of Earth and Planetary Sciences Vol: 37, 1-18

36	Journal	Oceanography	Philander S. George, (2009) How many scientists does South Africa need? South African Journal of Science Vol. 105, Issue: 5-6 / May-Jun, 172-173 (2009)
37	Journal	Oceanography	Pitcher G.C., Linda B. Joyce, (2009) Dinoflagellate cyst production on the southern Namaqua shelf of the Benguela upwelling system Journal of Plankton Research Vol. 31(8) 865-875
38	Journal	Oceanography	Pohl, B., N. Fauchereau, Y. Richard, M. Rouault, C.J.C. Reason (2009). Interactions between synoptic, intraseasonal and interannual convective variability over southern Africa. Climate Dynamics, 33, 1033-1050, DOI 10.1007/s00382-008-0485-4
39	Journal	Oceanography	Ramesh Kumar, M.R., Anu K Babu and C.J.C. Reason (2009). On the role of convective systems over the Northwest Pacific and monsoon activity over the Indian subcontinent. Meteorol. Appl. 16, 353-360.
40	Journal	Oceanography	Ramesh Kumar, M.R., S. Sankar, C.J.C. reason (2009). An investigation into the conditions leading to monsoon onset over Kerala. Theor. and Appl. Climatol., vol. 95, pg: 69-82.
41	Journal	Oceanography	Rouault M., P. Penven and B. Pohl (2009). Warming in the Agulhas Current since the 1980's. Geophysical Research Letters, 36, L12602, 10.1029/2009GL037987
42	Journal	Oceanography	Siedler, G., M. Rouault, A. Biastoch, B. Backeberg, C. J. C. Reason and J. R. E. Lutjeharms (2009). Modes of the southern extension of the East Madagascar Current. Journal of Geophysical Research, 114, C01005, doi:10.1029/2008JC 004921.
43	Journal	Oceanography	Ummerhofer, C.C., A. Sen Gupta, M.H. England and C.J.C. Reason (2009). Contributions of Indian Ocean sea surface temperatures to enhanced East African rainfall. J. Climate. 22, 993-1013.
44	Journal	Oceanography	Veitch, J., P. Penven and F. Shillington (2009). The Benguela: A laboratory for comparative modeling studies. Progress in Oceanography, 83, 296-302.
45	Journal	Oceanography	Vigaud, N., Y. Richard, M. Rouault, N. Fauchereau (2009). Moisture transport between the South Atlantic Ocean and southern Africa: relationships with summer rainfall and associated dynamics. Climate Dynamics, 2008, doi 10.1007/s00382-008-0377-7
46	Journal	Oceanography	Waldron, H. N.; P.M.S. Monteiro and N.C. Swart (2009). Carbon export and sequestration in the southern Benguela upwelling system: lower and upper estimates. Ocean Sci. 5, 711-718.
47	Journal	MA-RE Institute	Barlow, R., Lamont, T., Mitchell-Innes, B., Lucas, M. & Thomalla, S. 2009. Primary production in the Benguela ecosystem: 1999-2002. Afr. J. Mar. Sc. 31, 97-101.
48	Journal	MA-RE Institute	Aiken, J., Pradhan, Y., Barlow, R., Lavender, S., Poulton, A., Holligan P. & Hard-Mountford, N. 2009. Phytoplankton pigments and functional types in the Atlantic Ocean: A decadal assessment, 1995-2005. Deep Sea Res. II 56, 899-917.
49	Journal	MA-RE Institute	Hirata, T., Hard-Mountford, N., Barlow, R., Lamont, T., Brewin, R., Smyth, T. & Aiken, J. 2009. An inherent optical approach approach to the estimation of size-specific photosynthetic rates in eastern boundary upwelling zones from satellite ocean colour: an initial assessment. Prog. Oceanogr. 83, 393-397
50	Journal	MA-RE Institute	Hutchings, L., van der Lingen, C., Shannon, L., Crawford, R., Verheye, H., Bartholomae, C., van der Plas, A., Louw, D., Kreiner, A., Ostrowski, M., Fidel, Q., Barlow, R., Lamont, T., Coetzee, J., Shillington, F., Veitch, J. Currie, J. & Monteiro, P. 2009. The Benguela Current: An ecosystem of four components. Prog. Oceanogr. 83, 15-32.