

2013

Pichegru L, Cook T., Handley J., Voogt N., Nupen L, Watermeyer J. & McQuaid C.D. (2013) Sex-specific foraging behaviour and a field sexing technique for Endangered African penguin. *Endangered Species Research* 19:255-264

2012

Pichegru L, Ryan PG, van Eeden R, Reid T, Grémillet D & Wanless R (2012) Industrial fishing, no-take zones and endangered penguins. *Biological Conservation*. 156 : 117-125

Pichegru L. (2012) Increasing breeding success of an Endangered penguin: artificial nests or culling predatory gulls ? *Bird Conservation International*.

Hamann M., Grémillet D., Ryan P.G., Bonadonna F., van der Lingen C.D. & **Pichegru L** (2012). A hard-knock life: the foraging ecology of Cape cormorants amidst shifting prey resources and industrial fishing pressure. *African Journal of Marine Science*, 34: 233-240.

Moseley C., Grémillet D., Connan M., Ryan P.G. Mullers R.H.E., van der Lingen C.D., Miller T.W., Coetzee J.C., Crawford R.J.M., Sabarros P., McQuaid C., & **Pichegru L**. (2012) Body condition and foraging ecology of two populations of seabirds historically feeding on different diet. *Journal of Experimental Marine Biology and Ecology* 422-423:29-38.

Ryan P.G., Edwards L.C. & **Pichegru L** (2012) African penguins *Spheniscus demersus*, bait balls and the Allee effect. *Ardea* 100:89-94.

Cook T.C., Hamann M., **Pichegru L**., Bonadonna F., Grémillet D. & Ryan P.G (2012). When seabirds hit the bottom: investigating fine-scale four-dimensional foraging behaviour in small flighted divers. *Marine Biology* 159:373–387

2011

Write KLB, Pichegru L, Ryan PG. (2011). Penguins are attracted to dimethyl sulphide at sea. *Journal of Experimental Biology*, **214**, 2509-2511.

Crawford R.J.M., Altwegg R., Barham B.J., Barham P.J., Durant J.M., Dyer B.M., Makhado A.B., **Pichegru L**., Ryan P.G., Underhill L.G., Upfold L., Visagie J., Waller L.J. & Whittington P.A (2011). Collapse of South Africa's penguins in the early 21st century: a consideration of food availability. *African Journal of Marine Science*, **33**, 139-156.

Pichegru L., Ropert-Coudert Y., Kato A., Takahashi A., Dyer B.M., Ryan P.G. (2011) Diving patterns of female Macaroni Penguins breeding on Marion Island, South Africa. *Polar Biology*, 34, 945-954.

2010

Grémillet D., Mullers R.H.E, Moseley C., **Pichegru L**., Coetzee J.C., Sabarros S., van der Lingen C., Ryan P.G.. Kato A. & Ropert-Coudert Y. (2010) Seabirds, fisheries, and cameras. *Frontiers for Ecology*. 8: 401-402

Pichegru L., Grémillet D., Crawford R.J.M. & Ryan P.G. (2010) Marine no-take zone rapidly benefit threatened penguin. *Biology Letters* 6: 498-501.

Ryan P.G., **Pichegru L**., Ropert-Coudert Y., Grémillet D. & Kato A. (2010) On a wing and a prayer: the foraging ecology of breeding Cape Cormorants. *Journal of Zoology* 280:25-32.

Pichegru L., Ryan P.G., Crawford R.J.M. & Grémillet D. (2010). Behavioural inertia places a top marine predator at risk from environmental change in the Benguela upwelling system. *Marine Biology* 157:537-544.

2009

Pichegru L., Ryan P.G., Le Bohec C., van der Lingen C.D., Navarro R., Petersen S., Lewis S., van der Westhuizen J., Grémillet D. (2009). Overlap between vulnerable top predators and fisheries in the Benguela upwelling system: implications for marine protected areas. *Marine and Ecological Progress Series* **391**: 199-208.

Okes N.C., Hockey P.A.R., **Pichegru L.**, van der Lingen C.D, Crawford R.J.M. & Grémillet D. (2009). Competition for shifting resources in the southern Benguela upwelling: seabirds versus purse-seine fisheries. *Biological Conservation*, **142**, 2361-2368.

2008

Grémillet D, **Pichegru L**, Kuntz G, Woakes AG, Wilkinson S, Crawford RJM and Ryan PG (2008). A Junk-food hypothesis for Cape gannets feeding on fishery waste. *Proceedings of the Royal Society of London, B*, **18**, 1-9.

2007

Pichegru L, Ryan PG, van den Lingen CD, Ropert-Coudert Y, Coetzee J, Grémillet D (2007) Foraging strategies and energetics of Cape gannets *Morus capensis* feeding on live prey and fishery discards in the Benguela upwelling system. *Marine and Ecological Process Series*, **350**, 127-136.

2006

Grémillet D., **Pichegru L.**, Siorat F. & Georges J.-Y. (2006). Conservation implications of the mismatch between population dynamics and foraging effort in Northern gannets from the English Channel. *Marine and Ecological Process Series*, **319**, 15-25.

Massemin-Challet S., Gendner J.-P., Samtmann S., **Pichegru L.**, Wulgué A. & Le Maho Y. (2006) The effect of migration strategy and food availability on White Stork *Ciconia ciconia* breeding success. *Ibis*, **148**, 503-508.

Non-peer reviewed articles and interviews

Ryan, P.G., Pichegru, L., Grémillet, D. 2010. Parlous conservation status of African Penguins provides the correct wider context. <http://rsbl.royalsocietypublishing.org/content/early/2010/02/04/rsbl.2009.0913>.

Pichegru L. & Ryan P.G (2009). Teetering on the brink. *Africa Birds and Birding*, **14**, 42-53.

Wanless, R. & **Pichegru, L.** (2009) Something fishy? Reply to letter. *Africa Birds & Birding* **14**, 8.

Regular interviews on South African radios, on TV (SABC, SkyNews), in Shoreline documentary (SABC2), in 50/50 documentary (SABC2), interview for the BBC on radio and TV, and for numerous local and international press.

Journals reviewed

Methods in Ecology and Evolution (1), ICES Journal of Marine Science (2), Marine Ecological Progress Series (3), Ostrich (2), PloS ONE (1), Conservation International (1), African Journal of Marine Science (2), Austral Ecology (1), Biological Conservation (2), Journal of Experimental Biology (2), Journal of Applied Ecology (3), Bird Conservation International (1)

Associated Editor for Ibis since 2010

COMMUNICATIONS

2013

- 8th International Penguin Conference, Bristol, UK, 2-6th September 2013

Pichegru L., McInnes A., van Eeden R., Steinfurth A., Sherley R., Robinson K., Waller L., Ryan P.G. & Crawford R.J.M. Experimental fishing exclusions for penguins in South Africa (oral)

Pichegru L. & Nola Parsons. Female-biased mortality in African penguins (poster)

Pichegru L., Edwards T.B., Dilley B. & Ryan P.G. How do African penguins tolerate humans? (poster)

Lei B.R., Green J.A., Hockey P.A.R. & **Pichegru L.** Extreme microclimate conditions in artificial burrows for Endangered African penguins (oral).

Tubbs N., **Pichegru L.**, Ryan P.G. & Green J.A. Heat tolerance of African penguins in the face of climate change (oral)

Ludynia K., Shannon L., Jarre A., Altwegg R., Crawford R.J.M., Galada Y., Makhado A., Moseley C., Oosthuizen H., **Pichegru L.**, Ragaller S., Sherley R., Waller L. & Weisel M. The Dyer Island Penguin Pressure Model – an interdisciplinary tool for understanding population trends (oral)

2012

- *Frontiers in South African Ornithology*, Port Elizabeth, South Africa, 15-18th March 2012

Pichegru L., Reid T., Wanless R. & Ryan P.G. African seabird conservation and biotelemetry (oral)

Moseley C., Grémillet D., Connan M., Ryan P.G., Mullers R.H.E., van der Lingen C.D., Coetzee J.C., Crawford R.J.M., Sabarros P., McQuaid C., **Pichegru L.** A tale of two islands: comparing body condition of Cape gannets at Malgas and Bird Islands (oral)

van Eeden R., **Pichegru L.**, Ryan P.G. African penguin *Spheniscus demersus* dive behaviour in relation to vertical ocean thermal structure (oral)

2011

- *Western Indian Ocean Marine Science Association*, Mombasa, Kenya, 24-27th October 2011.

Reid T., **Pichegru L.**, Wanless R., Ryan P.G. Marine IBA in South Africa (oral)

- *14th South African Marine Science Symposium*, Grahamstown, South Africa, 4-7th April 2011.

Pichegru L., Ryan P.G., van Eeden R., Reid T., Grémillet D., Wanless R.M. Industrial fishing, no-take zones and endangered penguin (oral)

Pichegru L. Increasing breeding success of an Endangered penguin: artificial nests or culling predatory gulls? (poster).

van Eeden R., **Pichegru L.**, Ryan P.G. African penguin foraging ecology in relation to fine-scale ocean physical processes (oral)

Cook T., Hamann M., **Pichegru L.**, Bonadonna F., Grémillet D., Ropert-Coudert Y., Ryan P.G. Progress in bio-logging science helps reveal fine-scale four-dimensional foraging behaviour in small flighted diving seabirds (poster)

Jarre A., Shannon L., Rowbotham L.-A., Scott L., Altwegg R., Crawford R., Gebrelasse F., Hill E., Ludynia K., Makhado A., Oosthuizen H., **Pichegru L.**, Sherley R., Underhill L., Waller L. & Wanless R. A structured decision support approach to management and conservation of penguins in South Africa (poster)

- *4th International Science Symposium on bio-logging*, Tasmania, Australia, 14-18 March 2011.

Kato A, Chiaradia A, Ryan PG, **Pichegru L.**, Le Vaillant L, Le Bohec C, Hanuise N, Yoda K, Ropert-Coudert Y. Partial Dynamic Body Acceleration as a proxy of prey encounter (poster)

2010

- *2nd SAEON summit, Benchmarking environmental change observation regimes*. Kirstenbosch, Cape Town, 5-7 Oct. 2010

van Eeden R., **Pichegru L.**, Ryan P.G. African penguin foraging ecology in relation to fine-scale ocean physical processes. (poster).

- *World First Seabird Conference*, Victoria, Canada, 7-11 Sept. 2010

Pichegru L. (invited speaker), Ryan P.G., van Eeden R., Reid T., Grémillet D., Wanless RM. Industrial fishing, no-take zones and endangered penguin (oral).

Grémillet D., Mullers R.H.E, Moseley C., **Pichegru L.**, Coetzee J.C., Sabarros S., van der Lingen C., Ryan P.G., Kato A., Ropert-Coudert Y. Seabirds, fisheries and cameras. (poster).

Sabarros P.S., Bertrand S., Grémillet D., **Pichegru L.**, Durant J.M., Stenseth N.C., Coetzee J., Twatwa N.M., Machu E. Optimized foraging strategy for South African Cape gannets (*Morus capensis*) (oral).

Cook T., Hamann M., **Pichegru L.**, Bonadonna F., Grémillet D., Ropert-Coudert Y., Ryan P.G. Progress in bio-logging science helps reveal fine-scale four-dimensional foraging behaviour in small flighted diving seabirds. (poster)

2009

- *Making Waves in Marine Research: A cross section of Marine Research at UCT*. 08 September 2009.

Pichegru L., Ryan P., Le Bohec C., Gimenez O., Petersen S., Lewis S, van der Westhuizen J., van der Lingen C.D., Grémillet D. Overlap between vulnerable top predators and pelagic fisheries in the Benguela (oral).

- *The World in the Bay Series: Penguin Evening*. Bayworld Aquarium, Port Elizabeth. 20 May 2009.

Pichegru L. (invited speaker) The African penguin, a species soon to be endangered?

- *2nd African penguin Conference*, Gansbaai, South Africa. 15-18 April 2009.

Pichegru L. No-take zones for purse-seine fisheries around African penguin colonies, first results from the breeding season in Nelson Mandela Bay (oral).

2008

- *12th Pan-African Ornithological Congress*, Goudini Spa, South Africa. 7-12 September 2008.

Pichegru L., Ryan P., Le Bohec C., Gimenez O., Petersen S., Lewis S, van der Westhuizen J., van der Lingen C.D., Grémillet D. Spatial overlap between vulnerable seabirds and pelagic fisheries in the Benguela (oral).

2007

- *21st Annual meeting for the Society for Conservation Biology*, Port Elizabeth, South Africa. 1-5 July 2007.

Pichegru L., Ryan P., Lewis S, Petersen S., Le Bohec C., Grémillet D. Using GPS tracking to design Marine Protected Areas for Vulnerable seabirds in the Benguela (oral).

De Ponte M., Musangu M.M., **Pichegru L.** Great White Pelican (*Pelecanus onocrotalus*) predation on South African west coast islands and its impact on seabird populations (oral).

2006

- *9th International Seabird Conference*, Aberdeen, Scotland. 1-3 Sept. 2006.

Pichegru L., Ryan P., van der Lingen C., Ropert-Coudert Y. & Grémillet D. How to deal with contrasting environments? A comparison of foraging strategies of Cape gannets from colonies within and outside an upwelling system (oral).

Non-peer scientific talks

Regular talks to Bird Clubs, to rehabilitation centres, seminar at several universities (UCT, ULP France), Honorary rangers, schools, etc.

Students supervised

Current students

Doctoral

Alistair McInnes, University of Cape Town. 2012-2014.

Thesis “At-sea behavioural responses of African Penguins in relation to small-scale variability in prey distribution: implications for Marine Protected” (Co-supervised by Ryan PG).

Masters (dissertation)

- Noelle Tubbs, University of Cape Town. 2013-2014.

Thesis “Heat tolerance of African penguins in the face of climate change” (Co-supervised by Ryan PG & Green JD).

- TO BE APPOINTED, Rhodes University. 2013-2014.

Thesis “Impact of seismic surveys on African penguins and their prey” (Co-supervised by Pistorius P & RyanPG)

- TO BE APPOINTED, Nelson Mandela University. 2013-2014.

Thesis “Penguins parenthood in a changing environment” (Co-supervised by McQuaid CD)

- Paige Potter, Nelson Mandela Metropole University. 2012-2013.

Thesis “The dynamics of anchovy and sardine in Algoa Bay and their influence on response variables in two threatened avian predators” (Co-supervised by Pistorius P & Strydom N.)

- Rowen van Eeden, University of Cape Town. 2010-2012.

Thesis “The foraging ecology of African penguins in relation with ocean physical processes and prey availability.” (Co-supervised by Ryan PG.)

Masters (coursework: Conservation Biology – UCT)

Lea Cohen, University of Cape Town. 2012.

Thesis “Environmental conditions, foraging effort and chick growth in Cape gannets: insight from a long-term study”. (Co-supervised by Ryan P.G., Grémillet D.)

Honours

Shana Mian, Rhodes University. 2012.

Thesis “Mate choice in African penguins: is mating assortative?” (Co-supervised by McQuaid C.)

BSc

Bonnie Lei, Harvard University. 2012

Thesis “African penguin thermoregulatory behaviour”.

Past students

Masters (coursework: Conservation Biology – UCT)

- Christina Mosoley, University of Cape Town. 2009-2010.

Thesis “Impact of fishery wastes on the eco-physiology of adult Cape gannets.” (Co-supervised by Ryan P.G., Grémillet D.)

- Maike Hamann, University of Cape Town. 2008-2009.

Thesis “Conservation implications of the foraging behaviour of breeding Cape cormorants (*Phalacrocorax capensis*).” (Co-supervised by Ryan P.G., Grémillet D.)

- Nicola Okes, Conservation Biology Master student, University of Cape Town. 2007-2008.

Thesis “Fish and fisheries in the southern Benguela: is a management paradigm shift needed to conserve fish-eating birds.” (Co-supervised by Ryan P.G., Grémillet D.)

Honours

- Ben Dilley, University of Cape Town. 2011.
Thesis “Is the growth rate of chicks directly related to breeding adults’ foraging effort in African penguin?” (Co-supervised by Ryan PG.)
- Candice Owen, Rhodes University. 2011.
Thesis “Comparative foraging behaviour and diets of African penguins from two colonies, in Nelson Mandela Bay.” (Co-supervised by McQuaid C.)
- Kirsty McQuaid, Rhodes University. 2011.
Thesis “Is the growth rate of chicks directly related to breeding adults’ foraging effort in African penguin?” (Co-supervised by McQuaid C.)
- Trevor Edwards, University of Cape Town. 2010.
Thesis “Minimum approach distances to African penguins: what is safe?” (Co-supervised by Ryan PG.)
- Kyran Write, University of Cape Town. 2010.
Thesis “Do African penguins use olfaction to detect their prey at sea?” (Co-supervised by Ryan PG.)
- Jonathan Handley, Rhodes University. 2010
Thesis “Sex specific foraging behaviour and an investigation into using cloaca width to confirm sexual dimorphism in bill morphology in African penguins on Bird Island.” (Co-supervised by McQuaid C.)
- Nina Voogt, Rhodes University. 2010
Thesis “Sex specific foraging behaviour and an investigation into using cloaca width to confirm sexual dimorphism in bill morphology in African penguins on Bird Island.” (Co-supervised by McQuaid C.)
- Nikita Steele, Rhodes University. 2010
Thesis “Impact of culling kelp gulls on their predation rate on Vulnerable African penguins on Bird Island, Nelson Mandela Bay.” (Co-supervised by McQuaid C.)
- Petra de Abreu, University of Cape Town. 2009
Thesis “Foraging effort in relation to chick condition in African penguins from Nelson Mandela Bay, Eastern Cape Province.” (Co-supervised by Ryan PG.)
- Jenny Marie Booth, Rhodes University. 2009
Thesis “Comparative foraging behaviour and diets of African penguins at St Croix and Bird Islands, Nelson Mandela Bay, Eastern Cape Province”. (Co-supervised by McQuaid C.)
- Jess Watermeyer, Rhodes University. 2009
Thesis “Sex-specific foraging behaviour in African penguins.” (Co-supervised by McQuaid C.)
- Sara Sharon Jones, Rhodes University. 2009
Thesis “Impact of Kelp gull predation on a population of Vulnerable penguins, the African penguin, in Nelson Mandela Bay, Eastern Cape Province.” (Co-supervised by McQuaid C.)

Teaching experience

- 2013.** Lecture on “Seabird ecology” (1 week) for Zoology Honours at UCT, and “Impact of fishing gears and non-extractive marine activities on marine top predators and their environment” (4h) to 3rd year Zoology BSc students, UCT.
- 2012.** Lecture on “Impact of fisheries on top predators” (3h) and “Impact of non-extractive marine activities on the environment” (1h) to 3rd year Zoology BSc students, UCT.

2006. Lecture on “Returning to the sea: Specific adaptations of marine mammals and birds” (3h), to Ecology Master students from University Louis Pasteur, Strasbourg, France.