



12 IPC Poster program

Posters will be available for viewing in the Community Rooms

Poster sessions:
Monday 31 August 1650-1800
Wednesday 2 September 1655-1800

Enjoy light refreshments as you explore the displays, engage in conversations with presenters, and expand your professional network in an informal and welcoming environment.

Whether you're sharing your own work or learning from others, the Poster Session is an excellent way to gain fresh perspectives and make meaningful connections.

With thanks to 

No.	Poster Title	Presenter
1	Evaluating Ross Sea mesopredator habitat use in response to marine protected area implementation and shifting environmental and sea-ice regimes	Dr Rachel Hickcox
2	Gaps in the Antarctic treaty system for penguin conservation: Legal challenges and policy recommendations	Inoue Ayumu
3	Genomic insights into ex situ conservation of Humboldt penguins in Chile	Dyess Harp
4	Conservation of Humboldt penguins – research, environmental, education, advocacy	Isa Karbstein
5	Aquariums as platforms for global penguin conservation engagement	Yukari Takashima
6	Fifteen years of penguin conservation at the end of the world	Aurora Fernandez
7	Binational conservation of the Humboldt penguin: Integrating science, governance, and communities to address threats in the Humboldt current	Verónica López-Latorre
8	Evaluating the conservation impact of hand-rearing African penguins	Dr Katrin Ludynia
9	What does conservation and management look like for little penguins in Tasmania?	Dr Perviz Marker
10	African penguins' behaviour is affected by motorboat airborne noise: an experimental study on wild penguins	Dr Andréa Thiebault
11	Beyond "extra hands": Exploring the multi-dimensional motivations of penguin ecotourism volunteers	Peter Wagstaff
12	A day as a penguin: welfare monitoring of three zoo-housed African penguin colonies through ethological observations and analysis of keepers' perception	Francesca Bandoli
13	Where penguins meet people: Spatial overlap between foraging habitats and human pressures in coastal ecosystems	Paulina Arce
14	Mapping penguin welfare research: A systematic review of 55 years of scientific literature	Francesca Bandoli
15	Living together: Investigating agonistic and self-directed behaviours in zoo-housed African penguins	Francesca Bandoli

16	Refreshing a habitat for rescue / rehab kororā (little penguin) at Te Nukua o Wellington Zoo	Kristen Buckley
17	Exploring the Japanese affinity for penguins through picture books	Makiko Kobayashi
18	Microplastics in soils from two Adélie penguin colony locations in the Ross Sea region, Antarctica	Megan Reaves
19	Exploring the impact of translocation on little penguin conservation	Dinand Scholten
20	Translocation of little penguin chicks to a safe refuge	Dinand Scholten
21	Overview of the activities of Penguin Fund Japan	Kaoru Shiga
22	Managing the risk of marine spills and their impact on penguin populations	Sarah Hyland
23	Crèche foraging behaviour of breeding southern rockhopper penguins: Insights from GPS tracking and camera loggers	Diane Pavat
24	Behavioural and physiological assessments of captive penguin density to reconsider welfare standards: A multi-species study	Dr Ui Shimabukuro
25	Living with uncertainty: using multi-model large ensembles to assess emperor penguin extinction risk for the IUCN red list	Alice Eparvier
26	Surviving the heat: increasing ocean temperatures and shifting breeding patterns of little penguins until the end of the century	Andrea Kaplan
27	Linking El Niño-driven ocean warming and anchovy availability on Humboldt penguin breeding phenology in Punta San Juan, Peru	Fabrizio Moy
28	Phylogenetic niche conservatism shapes climate vulnerability in Southern Hemisphere seabirds	Amanda Santos
29	Is past prologue: Might historically foraging plasticity buffer king penguins against future climate impacts?	Angela Stahl
30	The heat is on: Behavioural, physiological and reproductive evidence of heat stress in breeding king penguins	Dr Vincent A. Viblanc
31	Will penguins be able to adapt? Projecting future changes in habitat suitability for both penguins and their prey under climate change scenarios	Andrea Kaplan
32	A geometric trap: Iceberg-induced collapse of access to an emperor penguin colony	Dr Jeong-Hoon Kim
33	Response of emperor penguins to 40 years of changing ice conditions at three colonies using satellite remote sensing (1984–2024)	Dr Grant Macdonald
34	Seasonal shifts in foraging behaviour of little penguins in Oamaru, New Zealand	Henry Elsom
35	Relationship between meteorological conditions and panting behaviour of Adélie penguins	Yoshiki Hamamura
36	Chinstrap's wet winter: GPS and GLS tracking reveal how yearly changes in sea ice shape winter migration strategies of adults and juveniles and highlights potential new risks in a warming scenario	Dr Ignacio Juarez Martinez
37	Annual variation of sea ice conditions and its impact on the foraging behaviour of Adélie penguins during the incubation period	Dr Nobuo Kokubun
38	Species-wide assessment of climate-related risk to little penguins using fuzzy logic	Lillian Maher
39	The role of penguins in nutrient dynamics around the Prince Edward Islands	Lerusha Naidoo
40	What really happens out at sea? Impacts of coastal turbidity on the foraging behaviour of little penguins	Beth Tremlett
41	Babesia spp. infection in wild and rehabilitating little penguins: evidence for immune adaptation across life history stages	Dr Rachel Chang
42	Feather CORT: A novel, minimally invasive monitoring technique for chronic stress levels in New Zealand Kororā	Olivia Ediriweera

43	Effects of aspergillosis on vocal behaviour and call structure in Humboldt penguins	Victor Scheire
44	Aspergillosis in African penguins: A persistent health threat. Experience from the Pistoia Zoological Gardens, Italy	Francesca Bandoli
45	Integrating preparedness and rehabilitation: NAMCOB's approach to African penguin conservation in Namibia	Kaurimbi Mberirua
46	Surveillance of influenza A and H5N1 viruses in Antarctic and Subantarctic penguin populations	Claudia Ulloa Contreras
47	Shifting transponder implantation to the leg following evidence of tag migration	Dr Melanie Young
48	Re-assessment of long-term survival and breeding success of African penguins oiled in the MV Treasure oil spill in 2000	Professor Peter Barham
49	Giving Hoiho chicks a head start: artificial incubation and early-life hand-rearing reduce chick disease	Dr Lisa Argilla
50	Active disease surveillance in the little penguin	Catherine Binns
51	From feathers to blood: Metal exposure and potential impacts on blood health parameters in little penguins (<i>Eudyptula minor</i>)	Jacinta Colvin
52	PFAS exposure in Australian little penguins: a coastal contamination signal	Dr Patricia Corbett
53	Determinants of egg mass and its relationship with hatchling mass in three captive penguin species	Dr Chika Shirakata
54	Seabird rehabilitation facilities as early warning systems for high pathogenicity avian influenza (HPAI) in South Africa	Albert Snyman
55	Automatic acoustic identification of individual penguins as the basis of population monitoring	Prof Bernd Meyer
56	Unique underwing plumage patterns allow individual identification of 350 king penguins at the Bahia Inútil colony, Tierra del Fuego, Chile, and most are visiting subadults	Dr Charles Munn
57	Performance of deep learning models to estimate foraging effort in Antarctic penguins	Dr Stefan Schoombie
58	Exploring predator-prey dynamics in an urban river-influenced little penguin colony using thermal infrared imaging	Julia Braga
59	The potential of oil absorbing magnetic particle technology, "magnetic cleansing", in the rescue and rehabilitation of oil-contaminated penguins	Angela Shewan
60	Optimising environmental DNA sampling and extraction in a coastal marine system	Dr Claire Saraux
61	How to prepare a penguin skeleton	Ichika Fujimoto
62	Solving the penguin puzzle: A genetic rescue through artificial insemination and egg transport	Kaori Tsuchiya
63	Complementary analyses indicate the breadth of the Subantarctic Hoiho diet	Dr Melanie Young
64	Understanding thermogenesis process and resilience in king penguins	Nina Cossin-Sevrin
65	Effects of environmental contaminants on penguin decline and the role of reproductive technologies	Dr Siyambulela Mafunda
66	Supporting individual penguin observation in aquarium exhibits through sketching abdominal spot patterns	Yuki Nakagawa
67	Insights into the optimisation of egg rescue, artificial incubation and early chick-rearing protocols for successful population reinforcement in African penguins	Dr Lisa Nupen
68	Intra-seasonal variation and factors influencing satellite-derived population indices of Adélie penguins in the Ross Sea	Alexandra Strang

69	Philopatric behaviour and breeding dynamics of Humboldt penguins in Punta San Juan, Peru	Arianna Basto
70	Mixed breeding and interspecific pairing in crested penguins: Towards a global compilation of anomalous reproductive events across colonies	Dr Josabel Belliure
71	From fluff to fledgling: chick growth and survival in a dynamic world	Sylvie Evans
72	Using egg density to predict hatching dates in Gentoo penguins	Dr Yuna Kim
73	Using biologging data to unravel cognitive processes in foraging king penguins: within-trip experience-based decision and across-trip memory	Dr Camille Lemonnier
74	Fishing tips from expert divers: Ascending foraging strategy in wild Adélie penguins	Miki Nara
75	Sex-specific variation in pre-moult foraging movements of Magellanic penguins	Chloe Rabinowitz
76	Little penguins move to coastal refuges to rest overnight under strong sea conditions	Dr Yan Ropert-Coudert
77	How much monitoring is enough? Estimating the minimum sampling effort required to detect population change in little penguins	Dr Maria Schreider
78	Video evidence of pteropod predation highlights diet flexibility in Adélie penguins	Dr Hina T. Watanabe
79	Changes in behaviour of Royal penguins on Macquarie Island over a fifteen-year time frame – observations of an amateur "citizen scientist"	Dr Neisha Wratten
80	Telomere length variability of Antarctic penguins in the Antarctic Peninsula	Dr Josabel Belliure
81	Deconstructing predation risk in Magellanic penguins: Drivers of sea lion attacks and penguin behavioural responses in an island system	Joaquin Cano
82	Comparative breeding parameters of Humboldt penguins between an artificial and a natural colony	Sebastián Lozano
83	Post-hoc validation of hunting behaviour using unsupervised machine learning approaches	Fraser Masterson
84	It's all white: First record of albinism in little penguins at the Phillip Island (Milawul) mega colony, Victoria, Australia	Kat Mcnamara
85	Do icebreaker vessel tracks guide penguin navigation on Antarctic sea ice? Behavioural observations of Adélie and emperor penguins	Dr Ichiyou Ohara
86	Site-specific yet broadly consistent foraging behaviour in Gentoo penguins at the Falklands	Prof Pierre Pistorius
87	CircumPOolar DNA diet comparison: spatial variation in the diet of Adélie penguin populations at nine breeding sites across Antarctica	Andrea Polanowski
88	Weekly variation in parental provisioning influences chick growth in little penguins	Max Ronan
89	Forty years of little penguin breeding success – spatial variation and habitat change at Summerland Peninsula, Milawul (Victoria, Australia)	Dr Maria Schreider
90	The importance of nestling personality for growth in fluctuating environments: A study in the little penguin	Justine Wintz
91	Marine distribution and foraging strategies of Hoiho resident on Motu Ihupuku	Dr Melanie Young
92	A global colony database for all 18 extant penguin species	David Goodman
93	Which cues are penguins using to evaluate the threat upon the approach of an intruder?	Clara Héquette-ruz
94	Stage-specific foraging distribution of Kororā/little penguins from Pōhatu/Flea Bay, New Zealand	Dr Rachel Hickcox
95	Adélie penguins adjust their social foraging strategy in relation to recent foraging success	Toshitaka Imaki

96	Stage-specific effects of snow on breeding success in penguins	Youmin Kim
97	From calls to context: Repertoire building and the drivers of vocal variation in penguin species	Katerina Nicola
98	Where and when to be enumerating Antarctic penguins and evaluating the drivers of their densities across the eastern Antarctic pack ice from at-sea observations	Emilija Reuter
99	Evidence of rakali predation on a little penguin chick	Tia Scott
100	Exploring the ontogeny of personality in little penguins	Arisha Silverlake
101	Fiordland first – a significant step in Taronga Zoo’s breeding program	Jo Walker
102	Ecological and host drivers of gut microbiome structure in Southern Ocean penguins	Dr Jane Younger

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