



IOCC VIII PERTH 2024

a minute to midnight

Tuesday 3rd September

10:30 – 12:30	Registration	Red Listing workshop Organisers: Heidi Zimmer and Mike Fay
12:30 – 13:30	Break	
13:30 – 16:30	Ex-situ workshop Organiser: Emily Coffey and Jason Ligon	Red Listing workshop, continued

Wednesday 4th September

8:00 – 9:00	Registration	
9:00 – 9:30	Opening Ceremony & Welcome	
9:30 – 10:00	Plenary Lecture Kingsley Dixon – A minute to midnight or a new dawn for orchid conservation?	
10:00 – 10:15	Coffee/tea break	
10:15 – 10:45	Plenary Lecture Michael Fay – Where are we up to with orchid conservation assessments?	
10:45 – 11:45	Session 1: Conservation: Global Perspectives Chair: Kingsley Dixon	
10:45 – 11:00	Michele Dominy Botanical voyaging in the Pacific: from ecological imperialism to plant species conservation	
11:00 – 11:15	Stephen Hopper Orchids and OCBILs: new conservation theory for old landscapes	
11:15 – 11:30	Michele Lussu Spatial prioritization using orchids as target species	
11:30 – 11:45	Group photo	
12:00 – 13:00	Lunch	
13:00 – 14:15	Poster session	
14:15 – 16:30	Session 2: Threats to endangered species Chair: Michael Fay	

14:15 – 14:30	Mark Brundrett Orchid winners and losers after fire in West Australian urban bushland: a response continuum regulated by orchid biology
14:30 – 14:45	Jacopo Calevo <i>Caladenia</i> vs climate change: prediction and empirical evidence from Western Australia
14:45 – 15:00	Reshu Bashyal Collaborative mapping of complex orchid trade supply chain factors
15:00 – 15:15	Bofeng Song Exploring changes in orchid pollination rates and the impact of anthropogenic factors
15:15 – 15:30	Abu Hang Samuel The orchid trade in Nepal and North East India
15:30 – 15:45	Anna Murphy Mitigating orchid extinctions in a diverse landscape: How the NSW Saving our Species program is helping orchids to thrive in the southwest
15:45 – 16:00	Coffee/tea break
16:00 – 16:30	Plenary Lecture Amy Hinsley – From harvesters to consumers: taking a collaborative approach to understanding and reducing the illegal orchid trade

Thursday 5th September

9:00 – 9:30	Plenary Lecture Emily Coffey – The importance of ex situ conservation in preventing orchid extinction
9:30 – 11:00	Session 3: Ex Situ Conservation: Are we Making a Difference? Chair: Jacopo Calevo
9:30 – 9:45	Jeremy Foster Advancing orchid conservation: the role of pollen banks in preserving genetic diversity and supporting collections <i>ex situ</i>
9:45 – 10:00	Jenny Guerin Symbiotic germination of the critically endangered copper beard-orchid (<i>Calochilus cupreus</i>)
10:00 – 10:15	Brendan Janissen Warm stratification and optimised temperatures improve conservation of the endangered orchid, <i>Caladenia robinsonii</i> (Orchidaceae)
10:15 – 10:30	Jason Ligon Optimizing orchid seed viability stains for applied conservation
10:30 – 10:45	Yihua Wu From single fungi to synthetic fungal communities: the impacts of <i>ex situ</i> seedling baiting seedling-associated fungi on the growth and conservation of <i>Dendrobium officinale</i>
10:45 – 11:00	Jing Yang Multiple orchid mycorrhizal fungi can promote the seed germination in <i>Pleione bulbocodioides</i> with different effectiveness
11:00 – 11:15	Coffee/tea break

11.15 – 12:00	Session 3: <i>Ex Situ</i> Conservation (continued)
11:15 – 11:30	Karin van der Walt Ex situ conservation of New Zealand potato orchids (<i>Gastrodia</i>)
11:30 – 11:45	Thomas Miranda The orchid garden conservation network (OGCN): a work in progress
11:45 – 12:00	Peter Zale Developing an orchid conservation horticulture programme at Longwood Gardens
12:00 – 13:00	Poster presentations
13:00 – 14:00	Lunch
14:00 – 15:15	Session 4: <i>In Situ</i> Conservation Chair: Benjamin Crain
14:00 – 14:15	Thada Amsungnoen Evaluating photosynthesis of <i>Habenaria rhodocheila</i> in response to climate change
14:15 – 14:30	Yung-I Lee Conservation efforts of the endangered <i>Cypripedium subtropicum</i> : progress and challenges
14:30 – 14:45	Tara Littlefield Conserving rare orchids and restoring lost landscapes in the Cumberland plateau of Kentucky, USA
14:45 – 15:00	Magali Wright Conservation of grassland orchids from the Tasmanian midlands
15:00 – 15:15	Lawrence Zettler The ghost orchid, <i>Dedrophyax lindenii</i> , of North America: one voice in a quieting ecological chorus
15:15 – 15:45	Coffee/tea break
15.45 – 17:30	Orchid Specialist Group meeting and discussion (posters still available) Organisers: Mike Fay and Amy Hinsley

Friday 6th September

9:00 – 9:30	Plenary Lecture Jana Jersáková – Role of Fungal Interactions in Orchid Conservation: Lessons Learned and Future Directions
9:30 – 11:30	Session 5: Ecological interactions to Improve Conservation Outcomes Chair: Brendan Janissen
9:30 – 9:45	Jacopo Calevo The multiple niches of orchid mycorrhizal fungi in European orchids
9:45 – 10:00	Yu-An Chiang What constrains the germination of <i>Bletilla formosana</i> ?
10:00 – 10:15	Belinda Davies Back from the brink: ecologically informed orchid conservation in Western Australia

10:15 – 10:30	Gerhard Gebauer Multi-element stable isotope natural abundance in orchids from the Mediterranean region of Europe and SW-Australia	
10:30 – 10:45	Jasmine Janes <i>Platanthera</i> pollination gaps and insights	
10:45 – 11:15	Coffee/tea break	
11:15 – 12:15	Session 5: Ecological interactions (continue) Chair: Jana Jersáková	
11:15 – 11:30	Carlos Lehnebach Uncovering symbiotic partners: a top priority to save <i>Corybas carsei</i> , one of New Zealand's most threatened orchids	
11:30 – 11:45	Yung-I Lee Diverse fungal associations in fully mycoheterotrophic orchids from Taiwan	
11:45 – 12:00	Melissa McCormick The North American Orchid Conservation Center: tapping into the power of collaborations and an ecological approach to connect the “puzzle pieces” of orchid ecology and advance orchid conservation in the U.S. & Canada	
12:00 – 12:15	Lydie Messado Pollination systems, floral scent specificity and floral trait diversity in natural tropical epiphytic communities in Cameroon	
12:15 – 12:30	Yumna Nageen Consequences of local adaptation among orchids, soil, and mycorrhizal fungi for species conservation	
12:30– 13:30	Lunch	
13:30 – 14:00	Plenary Lecture Katharina Nargar – Reshaping our understanding of orchid diversity in the age of molecular genomics	
14:00 – 16:30	Session 6: Genetics and Molecular tools for Conservation Chair: Katharina Nargar	Session 7: Citizen Science and School Programs Chair: Kingsley Dixon
14:00 – 14:15	Stephanie Goedderz Elucidating evolutionary relationship of rare and threatened mycoheterotrophic orchids: phylogenomic study in the Australasian genus <i>Dipodium</i>	Miriam Bazzicalupo Exploring the land stewardship strategy as a tool for the in-situ conservation and monitoring of terrestrial orchids and their habitats in Italy: lessons learned during the LIFEorchids project
14:15 – 14:30	Ida Hartvig Conservation hologenomics – integrating host genomic and microbiont community data	Jason Downing The Million Orchid project: 10 years update
14:30 – 14:45	Andrew McDougall Resolving the taxonomy of the <i>Caladenia patersonii</i> and <i>C. reticulata</i> (Orchidaceae) species complexes in	Carl Lewis STEMLAB: a mobile classroom for rare orchid propagation and student engagement

	South Australia for improved conservation outcomes	
14:45 – 15:00	Lalita Simpson Utilising genomic insights to inform taxonomic and conservation assessments of rare flying duck orchids (<i>Paracaleana gracilicordata</i> / <i>P. granitica</i> species complex)	Brendan Janissen The importance of community education and involvement for the long-term protection of threatened species
15:00 – 15:15	Kenneth Cameron Population genetics, mycobiome metabarcoding, and fungal endophyte isolation have implications for the conservation of North America's native <i>Vanilla</i> species	Wendy Probert Working together to make a difference: Australasian Native Orchid Society Victorian Group Inc. (ANOS VIC)
15:15 – 15:45	Coffee/tea break	
15:45 – 16:15	Helen Richards, John Varigos The AOF past and present...the AOF in the future	
16:15 – 16:45	Plenary Lecture Lawrence Zettler – Saving orchids in the 21st century: a reason for optimism	
16:45 – 17:15	Closing ceremony – announcement of IOCC9	
18:30 – 21:30	Gala Dinner: Awards ceremony	