

Lauren Maria Gardiner

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GoogleScholar: <https://scholar.google.co.uk/citations?user=CW89cH4AAAAJ&hl=en>

2003-2008	PhD Phylogenetics and Conservation of the Genus <i>Vanda</i> (Orchidaceae) University of East Anglia (UEA) and Royal Botanic Gardens, Kew, UK
2002-2003	MSc Plant Diversity (Taxonomy and Evolution), University of Reading
1999-2002	MA Plant Sciences (Natural Sciences Tripos), University of Cambridge

Current and previous positions held

2017 - present	Curator of the University Herbarium, University of Cambridge
2014 - 2017	Research Fellow, Conservation Science, Royal Botanic Gardens Kew
2012 - 2014	Botanist, Palms and Pandans Team, Herbarium, RBG Kew
2010 - 2012	Assistant Botanist, Palms and Pandans Team, Herbarium, RBG Kew
2013 - 2014	Swiss Orchid Research Award Fellow University of Basel, Switzerland
2008 - 2010	Science Assistant to Head of Science Policy and Coordination, RBG Kew
2007 - 2008	Micropropagation Assistant, Conservation Biotechnology Unit, RBG Kew

Current community service roles

NatSCA UK Herbarium Collections Group; IUCN Global Trees Specialist Group; Royal Horticultural Society Orchid Committee; IUCN Orchid Specialist Group

Other memberships: Natural Sciences Collections Association, University of Cambridge Museums Consortium; National Portfolio Organisation Planning Group, Share Museums East, Linnean Society, EUNOPS, International Orchid Commission; Systematics Association

Successful grant funding over £10k

£20k Cambridge Departmental Resources Committee, PI: CGE modern imaging system, Feb 2018

£10k IUCN Plants for People, Co-I: Red List Assessments for the palms of Africa, Jan 2016

£0.5M Toyota Foundation, Co-I: Kew Plant Assessment Unit, Nov 2015

£14k (CHF 20k) Swiss Orchid Research Award, Aug 2013

Key Publications:

- Lindon, H., **L.M. Gardiner**, M.S. Vorontsova (in press). Taxonomic effort across Kingdoms - revealing female botanical and mycological role models. *Biological Journal of the Linnean Society*.
- Cornish, C., P. Allan, **L.M. Gardiner**, P. Nicol, H. Pardoe, C. Sherwood, R. Webster, D. Young, M. Nesbitt (in press). Between Metropole and Province: circulating botany in British museums, 1870–1940. *Archives of Natural History*.
- **Gardiner, L.M.** (2019). Cambridge University Herbarium: rediscovering a botanical treasure trove. *Journal of Natural Science Collections* 6: 31-47. <https://tinyurl.com/tc68rdf>
- Cosiaux, A., **L.M. Gardiner**, F.W. Stauffer, S.P. Bachman, B. Sonké, W.J. Baker (2018). Low extinction risk for an important plant resource: Conservation assessments of continental African palms (Arecaceae/Palmae). *Biol. Cons.* 221: 323-333
- **Gardiner, L.M.** and Cribb, P. (2018). *Orchid Trove*. London: André Deutsch & Kew Publishing
- Hinsley, A. H.J. de Boer, M.F. Fay, S.W. Gale, **L.M. Gardiner**, R.S. Gunasekara, S. Kumar, S. Masters, D. Metusala, D.L. Roberts, S. Veldman, S. Wong, J. Phelps (2017) A review of the trade in orchids and its implications for conservation. *Bot. J. Linn. Soc.* 186(4): 435-455
- **Gardiner, L.M.**, M. Rakotoarivivo, L.R. Rajaovelona, C. Clubbe. (2017). Population genetics data help to guide the conservation of palm species with small population sizes and fragmented habitats in Madagascar. *PeerJ* 5: e3248.
- **Gardiner, L.M.**, and S.P. Bachman (2016). The role of citizen science in a global assessment of extinction risk

in palms (Arecaceae). Bot. J. Linn. Soc. 182(2): 543-550.

- Harrison, C. and **Gardiner, L.M.** (2016). Bizarre Botany. London: Kew Publishing.
- Lindon, H., **L.M. Gardiner**, A. Brady, and M. Vorontsova (2015). The 250 year gender gap in plant biodiversity inventory: Is the gap closing? Taxon 64(2): 209-215.
- Brummitt, N.A., S.P. Bachman, J. Griffiths-Lee, M. Lutz, J.F. Moat, A. Farjon ... **L.M. Gardiner**... et al. (2015). Green plants in the red: a baseline global assessment for the Sampled Red List Index for Plants. PLoS One 10(8): e0135152.
- **Gardiner, L.M.**, A. Kocyan, M. Motes, D.L. Roberts, and B.C. Emerson (2013) Molecular phylogenetics of Vanda and related genera (Orchidaceae). Bot. J. Linn. Soc. 173: 549-572

Selected Recent Presentations

Hundreds of years of fieldwork: the importance of herbaria for orchid conservation

Scientific Conference on Andean Orchids, Medellin, Colombia, August 2019

Unlocking a million data points

University of Cambridge Museums Research & Impact Workshop, Cambridge, March 2019

Pressing Science – the importance of citizen science in plant science & natural history collections

Botanic Gardens Education Network annual conference, Cambridge, November 2018

Old Specimens, New Tricks? What a million dead plants can tell us about the world today

Cambridge University Botanic Gardens Science on Sundays series, Cambridge, August 2018

Would a *Rosa* by any other other...smell as sweet?

Plant Network Plant Records Symposium, Cambridge, May 2018

The Cambridge University Herbarium: Rediscovering a botanical treasure trove

NatSCA annual conference, Leeds, April 2018

Private horticultural collections: species' saviours or drivers of extinction?

International Congress on Conservation Biology, Cartagena, Colombia, July 2017

Conservation assessment of orchids in a biodiversity hotspot for conservation

AETFAT, Nairobi, Kenya, May 2017

Using iNaturalist in Madagascar to accelerate conservation assessment

Madagascar Symposium, RBG Kew, London, November 2016

Trials and Triage: Assessing the conservation status of nearly 1000 species in Madagascar

International Orchid Conservation Congress, Hong Kong, May 2016

Recent media work 2018-2019

BBC television Look East news item with Richard Westcott; BBC Radio Cambridgeshire Sue Marchant feature show; Cambridge 105 FM interview; Varsity student radio interview

Conference presentations (past five years, and key themes)

2019 Orchids [invited keynote] Scientific Conference on Andean Orchids, Medellin, Colombia

2019 Museology [invited] Science of Art, Cambridge, UK

2018 Museology [invited] University of Cambridge Museums Forum, Cambridge, UK

2018 History of Science [invited] Sorted! Festival, Cambridge, UK

2018 Education [invited] Botanic Gardens Education Network, Cambridge, UK

2018 Nomenclature & taxonomy [invited] Plant Network Plant Records Symposium, Cambridge

2018 Collections NatSCA annual conference, Leeds, UK

2017 Conservation International Congress on Conservation Biology, Cartagena, Colombia

2017 Orchids AETFAT African Plant Conference, Nairobi, Kenya

2016 Orchids International Orchid Conservation Congress, Hong Kong

2016 Citizen science OPAL Symposium, London, UK [invited]

2016 Citizen science Madagascar symposium, London, UK [invited]

2015 Palms World Palms Symposium, Colombia

2014 Orchids World Orchid Conference, Johannesburg, South Africa

2014 Biodiversity Informatics EUNOPS Valencia, Spain