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## Curriculum Vitae

Name: Lucas, Eve J.  
Nationality: British  
Job title: Research Team Leader  
Employer: Royal Botanic Gardens, Kew, Richmond, Surrey, TW9 3AE  
Email: e.lucas@kew.org

BSc (hons), University of London, 1995  
MSc, University of Reading, 2000  
PhD, Open University, part-time 2002-2007  
Foreign Language(s): French (fluent), Portuguese (conversational)

### Employment

January 2015 – Research Team Leader. Royal Botanic Gardens Kew.  
May 2004 – Dec 2014 Science Team Leader; Myrtales. Royal Botanic Gardens Kew.  
Dec 2002 – April 2004 Systematist; Myrtales. Royal Botanic Gardens Kew.  
Feb 1996 – Dec 2002 Curatorial Assistant. Royal Botanic Gardens Kew.

### Role in organisation

Integrated systematics, biogeography and conservation of Myrtaceae and its habitats, with a focus on the mega-diverse, taxonomically complex, fleshy-fruited tropical tribes Myrteae and Syzygieae. Studies of Neotropical ecology with a focus on the Atlantic forests of Eastern Brazil and the evolution of large genera.

### Selected Publications

- **Lucas, E.J.**, [...] & Sobral, M. (2018). A new infra-generic classification of the species-rich Neotropical genus *Myrcia* sl. *Kew bulletin*, 73: 9-21.
  - Lima, D.F., Goldenberg, R. & **Lucas, E.** (2018) Taxonomic novelties in *Myrcia guianensis* and allied species (Myrtaceae: Myrteae), including mass-typification in a large and taxonomically challenging group. *Kew Bull.* 73: 5.
  - Lima, D. F., Dos Santos, L. L., Goldenberg, R., & **Lucas, E.** (2017). New species of *Myrcia* sect. *Aulomyrcia* and notes on *Myrcia pinifolia* (Myrtaceae). *Phytotaxa*, 312: 94-102.
  - Santos, M. F., **Lucas, E.**, Sano, P. T., Buerki, S., Staggemeier, V. G., Forest, F. (2017) Biogeographical patterns of *Myrcia* s.l. (Myrtaceae) and their correlation with geological and climatic history in the Neotropics *Mol. Phyl. Evol.* 108: 34-48
  - Vasconcelos, T. N. C., [...] & **Lucas, E. J.** (2017) Myrteae phylogeny, calibration, biogeography and diversification patterns: Increased understanding in the most species rich tribe of Myrtaceae. *Mol. Phyl. Evol.* 109: 113–137
  - Mazine, F. F., Oliveira Büniger, M. De Faria, J. E. Q., **Lucas, E.**, Souza, V.C. (2016) Sections in *Eugenia* (Myrteae, Myrtaceae): nomenclatural notes and a key. *Phytotaxa* 289 (3): 225-236
  - de Oliveira Büniger, M., [...] & **Lucas E. J.** (2016) The evolutionary history of *Eugenia* sect. *Phyllocalyx* (Myrtaceae) corroborates historically stable areas in the southern Atlantic forests. *Annals of Botany* 118 (7): 1209-1223.
  - **Lucas, E.**, Wilson, C. E., Lima, D. F., Sobral, M., & Matsumoto, K. (2016). A Conspectus of *Myrcia* sect. *Aulomyrcia* (Myrtaceae) *Annals of the Missouri Botanical Garden*, 101 (4), 648-698.
  - Santos, M. F., Sano, P. T., Forest, F., & **Lucas, E.** (2016). Phylogeny, morphology and circumscription of *Myrcia* sect. *Sympodiomyrcia* (*Myrcia* sl, Myrtaceae). *Taxon*, 65 (4), 759-774.
  - Wilson, C.E, Forest, F., Devey, D. & **Lucas, E.** (2016). Phylogenetic Relationships in *Calyptanthus* (Myrtaceae) with Particular Emphasis on its Monophyly Relative to *Myrcia* s. l. *Systematic Botany*, 41 (2), 378-386.
  - Büniger, M.O., Mazine, F.F., **Lucas, E.J.** & Stehmann, J.R., (2016). Circumscription and synopsis of *Eugenia* section *Speciosae* Büniger & Mazine (Myrtaceae). *PhytoKeys* 61: 73-80.
  - Santos, M. F., **Lucas, E.**, Sobral, M., & Sano, P. T. (2015). Five new South American species of *Myrcia* sl (Myrtaceae) *Phytotaxa*, 234 (2), 159-171.
  - Zappi, D. C., Milliken, W., Lopes, C. R. A. S., **Lucas, E.**, Piva, J. H., Frisby, S. & Forzza, R. C. Xingu State Park vascular plant survey: filling the gaps. *Brazilian Journal of Botany*, 1-28.
  - Staggemeier, V.G., [...], **Lucas, E.**, and Morellato, L.P.C. "Clade-specific responses regulate phenological patterns in Neotropical Myrtaceae." *Perspectives in Plant Ecology, Evolution and Systematics* (2015).
  - Santos, M. F., **Lucas, E.**, Sobral, M., & Sano, P. T. (2015). New species of *Myrcia* sl (Myrtaceae) from Campo Rupestre, Atlantic Forest and Amazon Forest. *Phytotaxa*, 222(2), 100-110.
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- **Lucas, E.J.**, & Bünger, M. O. (2015). Myrtaceae in the Atlantic forest: their role as a ‘model’ group. *Biodiversity and Conservation*, 1-16.
  - Vasconcelos, T.N., [...] & **Lucas, E.J.** (2015). Systematic and evolutionary implications of stamen position in Myrteae (Myrtaceae). *Botanical Journal of the Linnean Society*.
  - Sobral, M., Faria Jr, J. E., Ibrahim, M. U., **Lucas, E.J.**, Rigueira, D., Stadnik, A., & Villaroel, D. (2015). Thirteen new Myrtaceae from Bahia, Brazil. *Phytotaxa*, 224(3), 201-231.
  - Staggemeier, V., [...] & **Lucas, E.J.** (2015) Phylogenetic analysis in Myrcia sect. Aulomyrcia Griseb. and inferences on plant diversity in the Atlantic Rainforest. *Ann. Bot.* 115: 747–761.
  - Mazine F.F., Santos, M.F. & **Lucas E.** (2014) New combinations and new names in Myrcia (Myrtaceae) for Flora of São Paulo state, Brazil. *Phytotaxa* 173 (1): 97–100.
  - Mazine F.F., Souza V.C., Sobral, M., Forest, F. & **Lucas, E.** (2014) A preliminary phylogenetic analysis of Eugenia (Myrtaceae: Myrteae), with a focus on Neotropical species. *Kew Bull.* 69: 9497.
  - Araújo, A. C. & **Lucas, E.J.** (2013) Typification of names of Brazilian and Caribbean species of Calyptranthes (Myrtaceae - Myrciinae). *Edin. J. Bot.*, 70: 433–438.
  - Araújo, A. C. & **Lucas, E.J.** (2013) Lectotypifications in Calyptranthes (Myrtaceae) from the Neotropics. *Novon* 22: 385–388.
  - **Lucas, E.**, Nunes, T.S. & Nic Lughadha, E. (2011) Lista preliminar da Família Myrtaceae na Região Nordeste do Brasil (Série Repatriamento de Dados do Herbário de Kew para a Flora do Nordeste do vol. 5.). Royal Botanic Gardens, Kew.
  - **Lucas, E.J.**, [...] & Chase, M.W. (2011) Phylogenetics, Morphology, and evolution of the large genus Myrcia s.l. (Myrtaceae). *Int. J. Plant Sci.* 172(7): 915.
  - **Lucas, E.J.** & Sobral, M., (2011) Proposal to conserve Myrcia DC. ex Guillaumin over Calyptranthes Swartz. *Taxon* 60(2) 605.
  - Biffin, E., **Lucas, E.J.**, [...] & Crisp, M.D. (2010) Evolution of exceptional species richness among lineages of fleshy-fruited Myrtaceae. *Ann. Bot.* 106(1): 79-93.
  - Sobral, M., [...] & **Lucas, E.** (2009). Myrtaceae in Catálogo de Plantas e Fungos do Brasil, v. 2 Ed. Forzza, R.C. et al. Jardim Botânico do Rio de Janeiro.
  - Sobral, M., **Lucas, E.J.**, Landrum, L.A. & Soares-Silva, L. (2009). Myrtaceae in Stehmann, J.; R. Forzza, R.C.; Salino, A.; Sobral, M.; Costa, D.P. & Kamino, L.H.Y. (eds.) *Plantas da Floresta Atlântica*. Rio de Janeiro.
  - Murray-Smith, C., [...] & **Lucas, E.J.** (2009), Plant Diversity Hotspots in the Atlantic Coastal Forests of Brazil *Cons. Bio.* 23 (1) 151–163.
  - **Lucas, E.J.**, [...] & Chase, M.W. (2007). Suprageneric phylogenetics of Myrteae, the generically richest tribe in Myrtaceae (Myrtales). *Taxon* 56: 1105–1128.
  - Proença, C.E.B., Nic Lughadha, E.M., **Lucas, E.J.**, Woodgyer, E.M., (2006). Algrizea (Myrteae, Myrtaceae): A New Genus from the Highlands of Brazil. *Syst. Bot.* 31: 320–326.
  - Zappi, D.C., **E.J. Lucas**, [...] & A. M. Carvalho (2002). Biodiversidade e conservação na Chapada Diamantina, Bahia: Catolés, um estudo de caso. In Araújo, E.L., et al. (eds) *Biodiversidade conservação e uso sustentável da flora do Brasil*. Recife: Univ. Fed. Rural de Pernambuco and Sociedade Botanica do Brasil. 87-89.
  - Zappi, D.C., **E.J. Lucas**, [...] & A. M. Carvalho (2003). Checklist of the vascular plants of Catolés, Chapada Diamantina, Bahia, Brazil. *Bol. Bot. Univ. Sao Paulo* 21(2): 345-398.

#### Online Resources

- Govaerts, R., [...] & **Lucas, E.** World Checklist of Myrtaceae. <http://wmsp.science.kew.org/home.do>
- Sobral, M., [...] & **Lucas, E.** Myrtaceae in lista de espécies da flora do Brasil. Jardim Botânico do Rio de Janeiro. <http://floradobrasil.jbrj.gov.br/reflora/listaBrasil/ConsultaPublicaUC>

#### Selected Current Collaborative Projects

- **Systematics, Ecology and Evolution of large tropical Myrtaceae genera:** with Singapore Botanic Garden, University of São Paulo, University of Aberdeen, Jardim Botânico de Rio de Janeiro, University of Brasilia, Federal University of Pernambuco. (Support from Brazilian corporate, federal and state funders, and UK govt. sources).
  - **Flora of Brasil 2020:** With Jardim Botânico de Rio de Janeiro. Brazilian National Council for Scientific and Technological Development (CNPq). (Support from Brazilian corporate, federal and state funders).
  - **Plant and Fungal Trees of Life (PAFTOL):** With the New York Botanical Gardens, Missouri Botanical Gardens etc. (Support from the Calleva, Sackler and Garfield Weston Foundations).
  - **ColombiaBio:** with Instituto Alexander Von Humboldt, La Universidad Pedagógica y Tecnológica de Colombia. (Support from Colombian federal and Department funders, and UK Newton Fund).
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