

# SVEN BUERKI

Assistant Professor, Department of Biological Sciences at [Boise State University](#).

My lab applies a genome-to-phenome approach to investigate mechanisms of drought adaptations in natural ecosystems. We are currently focusing our efforts on the sagebrush steppe of western North America by using *Artemisia tridentata* as model organism. This research is integrated into the [EPSCoR NSF GEM3](#) project.

I am broadly interested in bioinformatics, genomics, molecular evolution and reproducible science.



## RESEARCH EXPERIENCE

present	<b>Assistant Professor</b> Department of Biological Sciences	 Boise State University, ID
2020   2019	<b>Research associate</b> Missouri Botanical Garden	 Saint-Louis, MO
2017   2016	<b>Senior Curator in Charge, Ferns and General herbarium I &amp; II</b> Department of Life Sciences	 Natural History Museum, London, UK
2016   2015	<b>Researcher</b> Department of Life Sciences	 Natural History Museum, London, UK
2014   2012	<b>Plant Evolutionary Biologist</b> Jodrell Laboratory	 Royal Botanic Gardens, Kew, UK
2012   2010	<b>Marie-Curie postdoctoral fellow</b> Jodrell Laboratory	 Royal Botanic Gardens, Kew, UK
2010   2009	<b>SNSF postdoctoral fellow</b> Real Jardin Botanico	 Madrid, Spain
2005   2003	<b>Research Assistant</b> Department of Evolutionary Botany	 University of Neuchâtel, Switzerland

## EDUCATION

## CONTACT

 [svenbuerki@boisestate.edu](mailto:svenbuerki@boisestate.edu)  
 [github.com/svenbuerki](https://github.com/svenbuerki)  
ORCID [0000-0002-8299-6539](https://orcid.org/0000-0002-8299-6539)  
 +1 208-426-1146

- 2009  
|  
2005
- **PhD thesis**  
Department of Evolutionary Botany  University of Neuchâtel, Switzerland
    - Worldwide biogeography and systematics of Sapindaceae: a molecular and taxonomic survey combining large data sets and novel methodological approaches
- 2005  
|  
2000
- **Master of Science in Behaviour, Ecology and Evolution (with high distinction)**  
Department of Evolutionary Botany  University of Neuchâtel, Switzerland
    - Biogeography and systematics of the genus Gouania (Rhamnaceae) in the western Indian Ocean

## TEACHING EXPERIENCE

- present  
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2020
- **VIP: Genome 2 phenotype**  
Department of Biological Sciences  Boise State University, ID
    - Undergraduate and graduate level class
- present  
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2017
- **BIOL497 & BIOL597 – Special Topics, Genomics & Bioinformatics**  
Department of Biological Sciences  Boise State University, ID
    - Undergraduate and graduate level class
- **EEB 603 – Reproducible Science**  
Department of Biological Sciences  Boise State University, ID
    - Graduate level class

## GRANTS

- 2011
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n

## FIELDWORK EXPERIENCE

I have conducted several botanical expeditions in Croatia, Fiji, Italy, Madagascar, Malaysia (Borneo and Peninsular Malaysia), Mauritius, New Caledonia, Singapore, Switzerland and USA.

## EXTERNAL REFEREE

### Journals

I have reviewed >200 manuscripts for the following journals: *Annals of Botany*; *Biodiversity and Conservation*; *Biological Journal of the Linnean Society*; *Botanical Journal of the Linnean Society*; *Candollea*; *Central European Journal of Biology, Evolution*; *International Journal of Plant Sciences*; *Journal of Biogeography*; *Journal of Ecology*; *Journal of System-*

atics and Evolution; Kew Bulletin; Molecular Ecology; Molecular Ecology Resources; Molecular Phylogenetics and Evolution; Oryx; Plant Systematics and Evolution; PLoS ONE; South African Journal of Botany; Systematic Biology; Systematic Botany; Taxon.

#### Grant review panel

- 2015: Agence Nationale de la Recherche, CES No 32, Sciences de la Vie, DEFSAV, France.

#### Research proposals

I have reviewed research proposals submitted to the National Geographic Society (USA) and the Systematic Association (UK).

#### Journal edition

- Associate editor: *PLoS ONE* (Jan 2014 – December 2018).
- Associate editor: *Systematic Botany* (April 2014 – August 2019).
- Associate editor: *Systematics and Biodiversity* (April 2015 – January 2020).
- Editorial board: *Candollea* (June 2016 – present)
- Guest editor: *Biological Journal of the Linnean Society* (for the special issue vol. 117 published in January 2016 reporting research presented at the Linnean Society in London in April 2014 during a conference entitled “Collections-based research in the genomic era” that I co-organized).

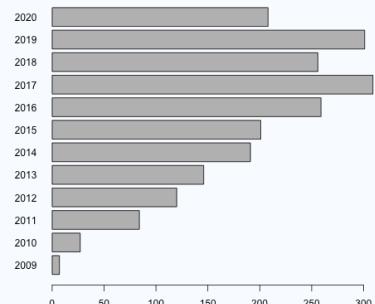
## PUBLICATIONS IN PEER-REVIEWED JOURNALS

I have authored 100 Web of Knowledge papers (among which 28 as first and 28 as senior author) with 213 co-authors based in 37 countries, demonstrating my international recognition and my ability to collaborate with other scientists in a wide range of fields.

- 2020
- #100 **Typification, nomenclature and taxonomy of Pandanaceae described by Otto Warburg**  
*Willdenowia*. In press.
    - Callmander MW, Vogt R, Donatelli A, Buerki S, Neppi C.
  - #99 **Two new genera of Sapindaceae (Cupanieae) from the southern Pacific: *Lepidocupania* and *Neoarytera***  
*Candollea*. In press.
    - Buerki S, Munzinger J, PP Lowry II, Callmander MW.
  - #98 **New combinations for two species in the genus *Synima* (Sapindaceae, Cupanieae) from Queensland (Australia)**  
*Candollea*. In press.
    - Callmander MW, Ford AJ, Buerki S.
  - #97 (2772) **Proposal to conserve the name *Pandanus ornatus* Kurz (*Benthonea ornata*) against *P. ornatus* W. Bull with a conserved type (Pandanaceae)**  
*Taxon*. 69: 115-116.
    - Callmander MW, Buerki S, Gereau RE.
    - doi:10.1002/tax.12337

- Citation = 2162
- H-index = 26
- I10-index = 54

data from Google Scholar



- #96 **Neotypification of *Pandanus odorifer*, the correct name for *P. odoratissimus* (Pandanaceae)**  
*Taxon*. In press.
  - Callmander MW, Gallaher T, McNeill J, Beentje H, Nadaf AB, Middleton D, Buerki S.
- #95 **Evolutionary origins of three rare Alpine-endemic species of *Lo-matiu* (Apiaceae) in the Wallowa and Elkhorn mountains of Northeastern Oregon**  
*International Journal of Plant Sciences*, 181: 748-765.
  - Ottenlips MS, Feist MAE, Mansfield DH, Plunkett GM, Buerki S, Smith JF.
  - doi:[10.1086/709373](https://doi.org/10.1086/709373) (IF2018: 1.425)
- #94 **New Guinea has the world's richest island flora**  
*Nature*, 584: 579-583.
  - Camara-Leret R, ..., Buerki S, ..., van Welzen PC.
  - doi:[10.1038/s41586-020-2549-5](https://doi.org/10.1038/s41586-020-2549-5) (IF2018: 43.070)
- #93 **Novelties from the Northern Mountains Complex of Madagascar V: A new threatened *Pandanus* (Pandanaceae) from the Kalobinono massif**  
*Candollea*, 75: 99-105.
  - Callmander MW, Razakamalala R, Luino I, Lala Andriamarisoa R, Buerki S.
  - doi:[10.15553/c2020v751a10](https://doi.org/10.15553/c2020v751a10) (IF2018: 0.561)
- #92 **Intraspecific variation in surface water uptake in a perennial desert shrub**  
*Functional Ecology*, 34: 1170-1179.
  - Zaiats A, Brynne L, Germino M, Serpe M, Richardson B, Buerki S, Caughlin T.
  - doi:[10.1111/1365-2435.13546](https://doi.org/10.1111/1365-2435.13546) (IF2018: 5.03)
- #91 **A new micro-endemic species of *Alectryon* (Sapindaceae) from Koghis forest, New Caledonia**  
*Systematic Botany*, 45: 156-162.
  - Munzinger J, Lowry II PP, Callmander MW, Buerki S.
  - doi:[10.1600/036364420X15801369352414](https://doi.org/10.1600/036364420X15801369352414) (IF2018: 1.259)
- #90 **The ghost fruits of Madagascar: Identifying dysfunctional seed dispersal in Madagascar's endemic flora**  
*Biological Conservation*, 242: 108438.
  - Albert-Daviaud A, Buerki S, Onjalalaina GE, Perillo S, Rabarijaona R, Razafindratsima OH, Sato H, Valenta K, Wright PC, Stuppy W.
  - doi:[10.1016/j.biocon.2020.108438](https://doi.org/10.1016/j.biocon.2020.108438) (IF2018: 4.451)

- #89 Influences of a prolific gut fungus (*Zancudomyces culisetae*) on larval and adult mosquito (*Aedes aegypti*) – Associated Microbiota  
*Applied and Environmental Microbiology*, 80: e02334-19.  
 • Frankel-Bricker J, Buerki S, Feris K, White MM.  
 • doi:[10.1128/AEM.02334-19](https://doi.org/10.1128/AEM.02334-19) (IF2018: 4.077)  
 • Published with graduate student.
- 2019
- #88 Biogeography and ecological diversification of a mayfly clade in New Guinea  
*Frontiers in Ecology and Evolution*, 7: 233.  
 • Cozzarolo C-S, Balke M, Buerki S, Arrigo N, Pitteloud C, Gueuning M, Salamin N, Sartori M, Alvarez N.  
 • doi:[10.3389/fevo.2019.00233](https://doi.org/10.3389/fevo.2019.00233) (IF2018: 2.686)
  - #87 The role of Antarctica in biogeographical reconstruction: A point of view.  
*International Journal of Plant Sciences*, 180: 63-71.  
 • de la Estrella M, Buerki S, Vasconcelos T, Lucas EJ, Forest F.  
 • doi:[10.1086/700581](https://doi.org/10.1086/700581) (IF2016: 1.748)
- 2018
- #86 Shedding new light on the origin and spread of the brinjal eggplant (*Solanum melongena* L.; Solanaceae) and its wild relatives  
*American Journal of Botany*, 105: 1175-1187.  
 • Aubriot X, Knapp S, Syfert M, Poczai P, Buerki S.  
 • doi:[10.1002/ajb2.1133](https://doi.org/10.1002/ajb2.1133) (IF2017: 2.788)
  - #85 A new species and a new synonym in *Pandanus* subg. *Rykia* (Pandanaceae) in Thailand  
*Candollea*, 73: 115-120.  
 • Callmander MW, Buerki S.  
 • doi:[10.15553/c2018v73la12](https://doi.org/10.15553/c2018v73la12) (IF2016: 0.462)
  - #84 A new micro-endemic species of *Alectryon* (Sapindaceae) from Koghis forest, New Caledonia  
*Scientific Reports*, 8: 6053.  
 • Forest F, Baloch E, Brummitt NA, Bachman S, Moat J, Ickert-Bond S, Hollingsworth PM, Liston A, Little DP, Mathews S, Rai H, Rydin C, Stevenson DW, Thomas P, Buerki S.  
 • doi:[10.1038/s41598-018-24365-4](https://doi.org/10.1038/s41598-018-24365-4) (IF2016: 4.259)
  - #83 Museum collections are the key to studying lemurs' diet: gastrointestinal morphology of *Cheirogaleus major*  
*Systematics and Biodiversity*, 16: 483-487.  
 • Buerki S, Portela Miguez R.  
 • doi:[10.1080/14772000.2018.1430708](https://doi.org/10.1080/14772000.2018.1430708) (IF2016: 2.127)

- #82 **Elevation in tropical sky islands as the common driver in structuring genes and communities of freshwater organisms**  
*Scientific Reports*, 7: 16089.  
 • Gueuning M, Suchan T, Rutschmann S, Gattoliat J-L, Jamsari A, Kamil Al, Pitteloud C, Buerki S, Balke M, Sartori M, Alvarez N.  
 • doi:[10.1038/s41598-017-16069-y](https://doi.org/10.1038/s41598-017-16069-y) (IF2016: 4.259)
- #81 ***Alectryon vitiensis*: A new species of Sapindaceae endemic to Fiji**  
*Novon*, 25: 4210-429.  
 • Buerki S, Lowry II PP, Munzinger J, Tuiwawa M, Naikatini A, Callmander MW.  
 • doi:[10.3417/D-16-00006](https://doi.org/10.3417/D-16-00006) (IF2016: 0.512)
- #80 **Untangling the reticulate history of species complexes and horticultural breeds in *Abelia* (Caprifoliaceae)**  
*Annals of Botany*, 120: 257-269.  
 • Landrein S, Buerki S, Wang H-F, Clarkson J.  
 • doi:[10.1093/aob/mcw279](https://doi.org/10.1093/aob/mcw279) (IF2016: 4.041)
- #79 **Navigating the ‘broad freeway’: ocean currents and inland isolation drive diversification in the *Pandanus tectorius* complex (Pandanaceae)**  
*Journal of Biogeography*, 44: 1598-1611.  
 • Gallaher T, Callmander MW, Buerki S, Setsuko S, Keeley SC.  
 • doi:[10.1111/jbi.12933](https://doi.org/10.1111/jbi.12933) (IF2015: 3.997)
- #78 **How old are island endemics?**  
*Biological Journal of the Linnean Society*, 121: 469-474.  
 • Pillon Y, Buerki S.  
 • doi:[10.1093/biolinnean/blx005](https://doi.org/10.1093/biolinnean/blx005) (IF2015: 2.288)
- #77 **Large-scale phylogeny of *Amorphophallus* (Araceae) derived from nuclear and plastid sequences reveals new subgeneric delineation**  
*Botanical Journal of the Linnean Society*, 184: 32-45.  
 • Claudel C, Buerki S, Chatrou LW, Antonelli A, Alvarez N, Hetterscheid W.  
 • doi:[10.1093/botlinnean/box013](https://doi.org/10.1093/botlinnean/box013) (IF2015: 2.523)
- #76 **Climatic niche evolution is faster in sympatric than allopatric lineages of the butterfly genus *Pyrgus***  
*Proceedings of the Royal Society, B*, 284: 20170208.  
 • Pitteloud C, Arrigo N, Suchan T, Mastretta-Yanes A, Vila R, Dinca V, Hernández-Roldán J, Brockmann E, Chittaro Y, Kleckova I, Fumagalli L, Buerki S¶, Pellicer L¶, Alvarez N¶.  
 • doi:[10.1098/rspb.2017.0208](https://doi.org/10.1098/rspb.2017.0208) (IF2015: 4.82)  
 • ¶These authors supervised this work together and are considered as joint last authors.

2016

- #75 **How many genera of vascular plants are endemic to New Caledonia? A critical review based on phylogenetic evidence**  
*Botanical Journal of the Linnean Society*, 183: 177-198.
  - Pillon Y, Barrabé L, Buerki S.
  - doi:[10.1093/botlinnean/bow001](https://doi.org/10.1093/botlinnean/bow001) (IF2015: 2.523)
  - REVIEW
- #74 **Biogeographical patterns of *Myrcia* s.l. (Myrtaceae) and their correlation with geological and climatic history in the Neotropics**  
*Molecular Phylogenetics and Evolution*, 108: 34-48.
  - Santos M, Lucas E, Sano PT, Buerki S, Staggemeier VG, Forest F.
  - doi:[10.1016/j.ympev.2017.01.012](https://doi.org/10.1016/j.ympev.2017.01.012) (IF2015: 3.792)
- #73 **Two new threatened species of *Benstonea* Callm. & Buerki (Pandanaceae) from Sabah (Borneo, Malaysia)**  
*Candollea*, 71: 257-263.
  - Callmander MW, Buerki S.
  - doi:[10.15553/c2016v712a10](https://doi.org/10.15553/c2016v712a10) (IF2015: 0.386)
- #72 **Biogeography and evolution of the screw-pine genus *Benstonea* Callm. & Buerki (Pandanaceae)**  
*Candollea*, 71: 217-229.
  - Buerki S, Gallaher T, Booth T, Brewer G, Forest F, Callmander MW.
  - doi:[10.15553/c2016v712a8](https://doi.org/10.15553/c2016v712a8) (IF2015: 0.386)
- #71 ***Pleurostylia serrulata* and two allied new species from Africa are actually members of the New World *Crossopetalum* (Celastraceae)**  
*Systematic Botany*, 41: 851-864.
  - Darbyshire I, Simmons MP, Cappa JJ, Breteler FJ, Buerki S.
  - doi:[10.1600/036364416X693955](https://doi.org/10.1600/036364416X693955) (IF2015: 1.098)
- #70 **Molecular phylogenetics and molecular clock dating of Sapindales based on plastid *rbcL*, *atpB* and *trnL-trnFDNA* sequences**  
*Taxon*, 65: 1019-1036.
  - Muellner-Riehl AN, Weeks A, Clayton JW, Buerki S, Nauheimer L, Chiang Y-C, Cody S, Pell SK.
  - doi:[10.12705/655.5](https://doi.org/10.12705/655.5) (IF2015: 2.9)
- #69 **Lifting the curtain on our knowledge of New Guinean *Benstonea* (Pandanaceae)**  
*Phytotaxa*, 275: 168-174.
  - Callmander MW, Keim AP, Heatbun CD, Homot P, Buerki S.
  - doi:[10.11646/phytotaxa.275.2.8](https://doi.org/10.11646/phytotaxa.275.2.8) (IF2015: 1.318)

2015

- #68 A taxonomic revision of the endemic New Caledonian genus *Storthocalyx* Baill. (Sapindaceae)  
*Systematic Botany*, 41: 387-400.
  - Munzinger J, Lowry II PP, Buerki S, Callmander MW.
  - doi:10.1600/036364416X691902 (IF2014: 1.229)
- #67 Generic delimitations, biogeography and evolution in the tribe Coleeae (Bignoniaceae), endemic to Madagascar and the smaller islands of the western Indian Ocean  
*Molecular Phylogenetics and Evolution*, 96: 178-186.
  - Callmander MW, Phillipson PB, Plunkett GM, Edwards MB, Buerki S.
  - doi:10.1016/j.ympev.2015.11.016 (IF2014: 3.916)
- #66 Collections-based research in the genomic era  
*Biological Journal of the Linnean Society*, 117: 5-10.
  - Buerki S, Baker WJ.
  - doi:10.1111/bjji.12721 (IF2014: 2.264)
- #65 Uncovering cryptic parasitoid diversity in *Horismenus* (Chalcidoidea, Eulophidae)  
*PLoS ONE*, 10(9): e0136063.
  - Kenyon SG<sup>1</sup>, Buerki S<sup>1</sup>, Hansson C, Alvarez N, Benrey B.
  - doi:10.1371/journal.pone.0136063 (IF2014: 3.234)
  - These authors have contributed equally and are considered joint first authors.
- #64 A macro-ecological perspective on CAM photosynthesis evolution in Afro-Madagascan drylands: Eulophiinae orchids as a case study  
*New Phytologist*, 208(2): 469-481
  - Bone RE, Smith JAC, Arrigo N, Buerki S.
  - doi:10.1111/nph.13572 (IF2014: 7.672)
- #63 The genus *Pandanus* Parkinson (Pandanaceae) on Halmahera Island (Moluccas, Indonesia) with descriptions of three new species and a key to the species on the island  
*Candollea*, 70: 179-195.
  - Callmander MW, Keim AP, Buerki S, Phillipson PB.
  - doi:10.15553/c2015v702a2 (IF2014: 0.468)
- #62 Phylogenetics of Eulophiinae (Orchidaceae: Epidendroideae): evolutionary patterns and implications for generic delimitation  
*Botanical Journal of the Linnean Society*, 179: 43-56.
  - Bone RE, Cribb PJ, Buerki S.
  - doi:10.1111/boj.12299 (IF2014: 2.53)

2014

- #61 **Novitates neocaledonicae II. *Acropogon moratianus* Callm., Munzinger & Lowry, sp. nov. (Malvaceae, Sterculieae): a rare and threatened new species from New Caledonia**  
*Adansonia, sér. 3*, 37(1): 131-137.
  - Callmander MW, Munzinger J, Buerki S, Lowry II PP.
  - doi:10.5252/a2015n1a8 (IF2014: 0.500)
- #60 **Evolutionary history and leaf succulence as explanations for medicinal use in aloes and the global popularity of *Aloe vera***  
*BMC Evolutionary Biology*, 15: 29.
  - Grace OM, Buerki S, Symonds MRE, Forest F, van Wyk AE, Smith GF, Klopper RR, Bjorå CS, Neale S, Demissew S, Simmonds MSJ, Rønsted N.
  - doi:10.1186/s12862-015-0291-7 (IF2013: 3.41)
- #59 **Incorporating evolutionary history into conservation planning in biodiversity hotspots**  
*Philosophical Transactions of the Royal Society, serie B*, 370: 20140014.
  - Buerki S, Callmander MW, Bachman S, Moat J, Labat J.-N, Forest F.
  - doi:10.1098/rstb.2014.0014 (IF2014: 7.055)
- #58 **A long distance dispersal hypothesis for the Pandanaceae and the origins of the *Pandanus tectorius* complex**  
*Molecular Phylogenetics and Evolution*, 83: 20-32.
  - Gallaher T, Callmander MW, Buerki S, Keeley SC.
  - doi:10.1016/j.ympev.2014.11.002 (IF2013: 4.018)
- #57 **The transfer of *Eulophia beravensis* Rchb.f. to *Oeceoclades* Lindl., a genus with its centre of diversity in Madagascar (Eulophiinae, Orchidaceae)**  
*Candollea*, 69: 201-205.
  - Bone RE, Sanz E, Buerki S.
  - (IF2013: 0.440)
- #56 **Rediscovery of the genus *Tsingya* Capuron (Sapindaceae) and its phylogenetic position**  
*Candollea*, 69: 195-200.
  - Buerki S, Doherty R, Gautier L, Callmander MW.
  - (IF2013: 0.440)
- #55 **Notes on *Benstonea* (Pandanaceae) from the islands of Halmahera, New Guinea and Sulawesi**  
*Phytotaxa*, 175: 161-165.
  - Callmander MW, Buerki S, AP Keim, Phillipson PB.
  - doi:10.11646/phytotaxa.175.3.6 (IF2012: 1.295)

- #54 **Taxonomic novelties in Neotropical Chrysobalanaceae: towards a monophyletic *Couepia***  
*Phytotaxa*, 172 : 176-200.
  - Sothers CA, Prance GT, Buerki S, De Kok R, Chase MW.
  - doi:[10.11646/phytotaxa.172.3.2](https://doi.org/10.11646/phytotaxa.172.3.2) (IF2012: 1.295)
- #53 **Timing and tempo of evolutionary diversification in a biodiversity hotspot: Primulaceae on Indian Ocean islands**  
*Journal of Biogeography*, 41: 810-822.
  - Strijk JS, Bone R, Thébaud C, Buerki S, Fritsch PW, Hodgkinson TR, Strasberg D.
  - doi:[10.1111/jbi.12259](https://doi.org/10.1111/jbi.12259) (IF2012: 4.863)
- #52 **Proto-South-East Asia as a trigger of early angiosperms diversification**  
*Botanical Journal of the Linnean Society*, Special Issue: Ecology and evolution on oceanic islands: broadening the botanical perspective, 174: 326-333.
  - Buerki S, Forest F, Alvarez N.
  - doi:[10.1111/boj.12129](https://doi.org/10.1111/boj.12129) (IF2012: 2.589)
- #51 **Mediterranean origin and Miocene–Holocene Old World diversification of meadow fescues and ryegrasses (*Festuca* subgenus *Schedonorus* and *Lolium*)**  
*Journal of Biogeography*, 41: 600-614.
  - Inda LA, Sanmartin I, Buerki S, Catalan P.
  - doi:[10.1111/jbi.12211](https://doi.org/10.1111/jbi.12211) (IF2012: 4.863)
- #50 **Pollinator shifts as trigger of speciation in painted petal irises (*Lapeirousia*: Iridaceae)**  
*Annals of Botany*, Special issue on Pollinator-driven speciation, 113: 357-371.
  - Forest F, Goldblatt P, Manning JC, Baker D, Colville J, Devey DS, Jose S, Kaye M, Buerki S.
  - <http://dx.doi.org/10.1093/aob/mct248>
- #49 **New Caledonian lineages of *Psychotria* (Rubiaceae) reveal different evolutionary histories and the largest documented plant radiation for the archipelago**  
*Molecular Phylogenetics and Evolution*, 71: 15-35.
  - Barrabé L, Maggia L, Pillon Y, Rigault F, Mouly A, Davis AP, Buerki S.
  - doi:[10.1016/j.ympev.2013.10.020](https://doi.org/10.1016/j.ympev.2013.10.020) (5-Year IF: 4.107)
- #48 **A taxonomic revision of the endemic New Caledonian genus *Podonephelium* Baillon (Sapindaceae)**  
*Systematic Botany*, 38: 1105-1124.
  - Munzinger J, Lowry II PP, Callmander MW, Buerki S.
  - doi:[10.1600/036364413X674814](https://doi.org/10.1600/036364413X674814) (5-Year IF: 1.743)

2013

- #47 Evolutionary history of the Afro-Madagascan *Ixora* species (Rubiaceae): species diversification and distribution of key morphological traits inferred from dated molecular phylogenetic trees  
*Annals of Botany*, 112: 1723-1742.  
 • Tosh J, Dessein S, Buerki S, Groeninckx I, Mouly A, Bremer B, Smets EF, De Block P.  
 • doi:[10.1093/aob/mct222](https://doi.org/10.1093/aob/mct222) (5-Year IF: 4.051)
- #46 A snapshot of extinction in action: The decline and imminent demise of the endemic *Eligmocarpus* Capuron (Caesalpinoideae, Leguminosae) serves as an example of the fragility of Madagascan ecosystems  
*South African Journal of Botany*, Special Issue: Towards a New Classification System for Legumes, 89: 273-280.  
 • Devey DS, Forest F, Rakotonasolo F, Ma P, Dentinger BTM, Buerki S.  
 • doi:[10.1016/j.sajb.2013.06.013](https://doi.org/10.1016/j.sajb.2013.06.013) (5-Year IF: 1.495)
- #45 Corrections to *Phytotaxa* 112: Update on the systematics of *Benthonea* (Pandanaceae)  
*Phytotaxa*, 125: 59-60.  
 • Callmander MW, Buerki S.  
 • doi:[10.11646/phytotaxa.125.1.9](https://doi.org/10.11646/phytotaxa.125.1.9) (IF2012: 1.295)
- #44 A new species of Pandanaceae from New Caledonia: *Pandanus letocartiorum* Callm. & Buerki with notes on the taxonomic identities of *P. decumbens* (Brongn.) Solms and *P. reticulatus* Vieill.  
*Candollea*, 68: 51-60.  
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## SCIENTIFIC SYMPOSIA AND TALKS