Publications des membres de l'équipe du PhyloLab

Publications scientifiques depuis 2010

1. Ranasinghe, S.W., Nishii K., Möller M., Atkins H.J., Clark J.L., Perret M., Kartonegoro A., Gao L.-M., D. J. Middleton & Milne R.I. (2024). Biogeographic history of the pantropical family Gesneriaceae with a focus on the Deccan Plate and diversification through the Old World. *Frontiers in Biogeography.* In press.

2. Ferreira, G.E., Clark J.L., Clavijo L., Zuluaga A., Chautems A., Hopkins M.J.G., Araujo A.O. & Perret M. (2024). Phylogenetics, character evolution, and historical biogeography of the Neotropical genus *Besleria* (Gesneriaceae). *Botanical Journal of the Linnean Society*. In press.

3. Boluda C.B., Naciri Y. & Gautier L. (2024). A phylogenomic reconstruction of the Endangered Malagasy tree genus Capurodendron (Sapotaceae) with nine new species and an identification keys. *Botanical Journal of the Linnean Society*. In press

4. Pouchon C. & Boluda C.G. (2023). REFMAKER: Make your own reference to target nuclear loci in low coverage genome skimming libraries. Phylogenomic application in Sapotaceae. *Molecular Phylogenetics and Evolution*, **186**: 107826. https://doi.org/10.1016/j.ympev.2023.107826

5. Christe C., Boluda C.G., Randriarisoa A., Kiedaisch T., Toprak Z., Stauffer F.W., Naciri Y. & Perret M. (2023). The genomic uses of a 200-year-old herbarium: pitfalls and potentials. *Bauhinia* **29**: 115-116.

6. Jousson J., Naciri Y., Christe C., Marazzi B. & Stauffer F.W. (2023). Not just females and males: unravelling a complex sex determinism in the palm *Trachycarpus fortunei* (Arecaceae: Coryphoideae). *American Journal of Botany* **110(12):** e16257. https://doi.org/10.1002/ajb2.16257.

7. Boluda C.G., Randriarisoa A., Naciri Y., & Gautier L. (2023). Revision of the SE Malagasy narrow endemic genus *Bemangidia* (Sapotaceae), with description of a second species. *Edinburgh Journal of Botany* **80**: 1-17.

8. Randriarisoa A., Naciri Y., Armstrong K., Boluda C.G., Dafreville S., Pouchon C. & Gautier L. (2023). One in, one out: Generic circumscription within the Manilkarinae subtribe (Sapotaceae). *Taxon* **72(1)**: 98–125. https://doi.org/10.1002/tax.12863.

9. Chautems, A. & Perret. M. (2023). (2975) Proposal to conserve the name *Sinningia* against *Paliavana* (Gesneriaceae). *Taxon* **72(4**): 936-937. https://doi.org/10.1002/tax.13009

10. Chautems, A., Cardoso D.B.O.S. & Perret M. (2022). Two new species of *Sinningia* (Gesneriaceae) endemic to Bahia, Brazil. *Candollea* **77**: 137–144. https://doi.org/10.15553/c2022v772a1

11. Španiel, S., Juillerat P., Kaplan K., Bovio M., Bäumler B., Perret M., Martonfiova L. & Zozomova-Lihova J. (2022). Out of the Balkans and Anatolia to the Western Alps? Surprising phylogenetic implications for two endemic *Alyssum* (Brassicaceae) species: *A. cognense* sp. nov. and *A. rossetii*. *Botanical Journal of the Linnean Society* **201(3**): 286–308, https://doi.org/10.1093/botlinnean/boac041

12. Jousson J., Christe C., Stauffer F.W., Marazzi B., Aberlenc-Bertossi F., Maspoli G. & Naciri Y. (2022). Panmixia and active colonization of the invasive palm *Trachycarpus fortunei* (Arecaceae) in Southern Switzerland and Northern Italy as inferred by microsatellites and SNP markers. *Biological Invasions* **24**: 3737–3756. https://doi.org/10.1007/s10530-022-02874-8.

13. Naciri Y., Toprak Z., Prentice H.C., Hugot L., Troia A., Burgarella C., Gradaille P.-L. & Jeanmonod D. (2022) Convergent morphological evolution in *Silene* sect. *Italicae* (Caryophyllaceae) in the Mediterranean Basin *Frontiers in Plant Science.* **13**: 695958. https://doi.org/10.3389/fpls.2022.695958.

14. Gautier L., Boluda C.G., Randrianaivo R. & Naciri Y. (2022). Two further new species in the highly diverse Malagasy endemic genus *Capurodendron* (Sapotaceae). *Candollea* **77(1)**: 119-126. https://doi.org/10.15553/c2022v771a9

15. Boluda C.G., Christe C., Naciri Y. & Gautier L. (2022). A 638-gene phylogeny supports the recognition of twice as many species in the Malagasy endemic genus *Capurodendron* (Sapotaceae). *Taxon* **71(2)**: 360-395. https://doi.org/10.1002/tax.12676.

16. Cano, A., Stauffer F.W., Andermann T., Liberal I.M., Bacon C.D., Lorenzi H., Töpel M., Christe C., *Perret M. & *Antonelli A. (2022). Recent and local diversification of Central American understory palms. *Global Ecology and Biogeography* **31(8)**: 1513-1525 (https://doi.org/10.1111/geb.13521). * share last authorship.

17. Ogutcen, E., Christe C., Nishii K., Salamin N., Möller M. & Perret M. (2021). Phylogenomics of Gesneriaceae using targeted capture of nuclear genes. *Molecular Phylogenetics and Evolution* **157**:107068 https://doi.org/10.1016/j.ympev.2021.107068

18. Kuschmierz P., …. Naciri Y., ….. Beniermann A. (2021). European first-year university students accept evolution but lack substantial knowledge about it: a standardized European cross-country assessment. *Evolution : Education and Outreach* **14** :17. https://doi.org/10.1186/s12052-021-00158-8.

19. Jeanmonod D. & Naciri Y. (2021). Révision taxonomique critique des renoncules aquatiques (sect. *Batrachium*) de Corse. *Candollea* **76 (2)**, 275-292.

20. Boluda C.G., Christe C., Randriarisoa A., Gautier L. & Naciri Y. (2021). Species delimitation and conservation in taxonomically challenging lineages: the case of two clades of *Capurodendron* (Sapotaceae) in Madagascar. *Plants* Special Issue *Genetic Diversity and Conservation of Woody Species,* **10**, 1702. https://doi.org/10.3390/plants10081702.

21. Boluda C.G., Rico V.J., Naciri Y., Hawksworth D.L. & Scheidegger C. (2021). Phylogeographic reconstructions can be biased by ancestral shared alleles: the case of the polymorphic lichen *Bryoria fuscescens* in Europe and North Africa. *Molecular Ecology*, **30 (19)**: 4845-4865.

22. Clerc P. & Naciri Y. (2021). *Usnea dasopoga* and *U. barbata* are two different species: a plea for reliable identifications in molecular studies. *The lichenologist* **53**: 221–230.

23. Christe C., Boluda C.G., Koubínová D., Gautier L. & Naciri Y. (2021). New genetic markers for Sapotaceae phylogenomics: more than 600 nuclear genes applicable from family to population levels. *Molecular Phylogenetics and Evolution* **160**: 107123.

24. Clark J.L., Tobar F., Clavijo L., Perret M. & Graham C. H. (2021). Three new species of *Columnea* (Gesneriaceae) from the western Andean slopes of Ecuador and Colombia. *PhytoKeys* **182**: 67–82. https://doi.org/10.3897/phytokeys.182.69016

25. Chatelain, C., M. Chambouleyron, M. Charrier,J.-F. Léger. M. Perret. (2021). Révision du genre *Ammodaucus* (Apiaceae) en Afrique du Nord. *Candollea* **76(2)**: 191-200. https://doi.org/10.15553/c2021v762a2.

26. Ogutcen E., Durand K. , Wolowski M., Clavijo L., Graham C., Glauser G. & Perret M. (2020). Chemical basis of floral color signals in Gesneriaceae: the effect of alternative anthocyanin pathways. *Frontiers in Plant Science* **11**: 604389. https://doi.org/10.3389/fpls.2020.604389.

27. Naciri Y. & Linder H.P. (2020). The genetics of evolutionary radiations. *Biological Reviews*, **95**: 1055–1072.

28. Randriarisoa A., Naciri Y. & Gautier L. (2020). A new Critically Endangered species in the Malagasy Region endemic genus *Labramia* (Sapotaceae). *Candollea*, **75**: 83–87.

29. Serrano-Serrano M.L., Marcionetti A., Perret M. & Salamin N. (2019). Convergent changes in gene expression associated with repeated transitions between hummingbird and bee pollinated flowers. *bioRxiv*. https://doi.org/10.1101/706127.

30. Naciri Y., Christe C., Bétrisey S., Song Y.-G., Deng M., Garfí G. & Kozlowski G. (2019). Species delimitation in the East Asian species of the relict tree genus *Zelkova* (Ulmaceae): a complex history of diversification and admixture among species. *Molecular Phylogenetics and Evolution*. **134**:172-185.

31. Gerlach A. da C.L., Toprak Z., Naciri Y., Araujo Caviród E., Borges da Silveira R.M., & Clerc P. (2019). New insights into the *Usnea cornuta* aggregate (Parmeliaceae, lichenized Ascomycota): Molecular analysis reveals high genetic diversity correlated with chemistry. *Molecular Phylogenetics and Evolution* **131**:125-137.

32. Loiseau O., Olivares I., Paris M., de La Harpe M., Weigand A., Koubínová D., Rolland J., Bacon C.D., Balslev H., Borchsenius F., Cano A., Couvreur T.L.P., Delnatte C., Fardin F., Gayot M., Mejía F., Machado T.M., Perret M., Roncal J., Sanin M.J., Stauffer F., Lexer C., Kessler M. & Salamin N. (2019). Targeted capture of hundreds of nuclear genes unravels phylogenetic relationships of the diverse Neotropical palm tribe Geonomateae. *Frontiers in Plant Science*, **10:** 864. https://doi.org/10.3389/fpls.2019.00864.

33. Chautems A., Dutra V.F., Fontana A. P., Peixoto M., Perret M. & Rossini J. (2019). Three new species of *Sinningia* (Gesneriaceae) endemic to Espírito Santo, Brazil. *Candollea* **74(1)**: 33–42. https://doi.org/10.15553/c2019v741a5

34. Cano A., Bacon C.D., Stauffer F.W., Antonelli A., Serrano-Serrano M.L. & Perret M. (2018). The roles of dispersal and mass extinction in shaping palm diversity across the Caribbean. *Journal of Biogeography* **45**: 1432-1443. (https://doi.org/10.1111/jbi.13225)

35. Gautier L. & Naciri Y. (2018). Three critically endangered new species of *Capurodendron* (Sapotaceae) from Madagascar. *Candollea*, **73**:121-129.

36. Chautems A. & Perret M. (2017). Description and phylogenetic position of a new species of *Nematanthus* (Gesneriaceae) from Bahia, Brazil. *Candollea* **72(2):** 351-359. https://doi.org/10.15553/c2017v722a13.

37. Serrano-Serrano M.L., Marcionetti A., Perret M. & Salamin N. (2017). Transcriptomic resources for an endemic Neotropical plant lineage (Gesneriaceae). *Applications in Plant Sciences* **5(4)**: 1600135. https://doi.org/10.3732/apps.1600135.

38. Serrano-Serrano M.L., Rolland J., Clark J. L., Salamin N. & Perret M. (2017). Hummingbird pollination and the diversification of angiosperms: an old and successful association in Gesneriaceae. *Proceedings of the Royal Society B* **284**: 20162816. https://doi.org/10.1098/rspb.2016.2816.

39. Du Pasquier P.-E., Jeanmonod D. & Naciri Y. (2017). Morphological convergence within recently diversified *Silene gigantea* complex (Caryophyllaceae) in the Balkan Peninsula and SW Turkey, with the description of a new subspecies. *Botanical Journal of the Linnean Society,* **183**: 474–493.

40. Naciri Y., Du Pasquier P.-E-. Lundberg M., Jeanmonod D. & Oxelman B. (2017). A phylogenetic circumscription of the *Silene* section *Siphonomorpha* (Caryophyllaceae) in the Mediterranean Basin. *Taxon,* **66:** 91-108.

41. Caetano Wyler S. & Naciri Y. (2016). Evolutionary histories determine the DNA barcoding success in vascular plants: seven case studies using intraspecific broad sampling of closely related species. *BMC Evolutionary Biology.* **16**:103. https://doi.org/10.1186/s12862-016-0678-0.

42. Araujo A. O., Chautems A., Cardoso-Gustavson P., Souza V.C. & Perret M. (2016). Taxonomic revision and phylogenetic position of the Brazilian endemic genus *Sphaerorrhiza* (Sphaerorrhizineae, Gesneriaceae) including two new species. *Systematic Botany* **41**: 651-664. https://doi.org/10.1600/036364416X692352.

43. Ferreira G. F., Chautems A., Hopkins M.J.G. & Perret M. (2016). Independent evolution of pouched flowers in the Amazon is supported by the discovery of a new species of *Lesia* (Gesneriaceae) from Serra do Aracá tepui in Brazil. *Plant Systematics and Evolution* **302**: 1109–1119 (https://doi.org/10.1007/s00606-016-1320-8)

44. Serrano-Serrano M.L., Perret M., Guignard M., Chautems A., Silvestro D. & Salamin N. (2015). Decoupled evolution of floral traits and climatic preferences in a clade of Neotropical Gesneriaceae. *BMC Evolutionary Biology* **15**: 247. https://doi.org/10.1186/s12862-015-0527-6.

45. Naciri Y., Linder P. (2015). Species delimitation and relationships: the dance of the seven veils. *Taxon*, **64**: 3–16.

46. Leuzinger M., Naciri Y., Du Pasquier P.-E. & Jeanmonod D. (2015). Molecular diversity, phylogeography and genetic relationships of the *Silene paradoxa* group of section *Siphonomorpha* (Caryophyllaceae). *Plant Systematics and Evolution*, **301(1)**: 265-278.

47. Jeanmonod D., Naciri Y., Schlüssel A. & Gamisans J. (2015) Floristic analyses of the Corsican flora: biogeographical origin and endemism. *Candollea,* **70**: 21-41.

48. Andriollo T., Naciri Y**.** & Ruedi M (2015). Two Mitochondrial Barcodes for one Biological Species: The Case of European Kuhl's Pipistrelles (Chiroptera)*. PLoS One.* **10(8)**:e0134881.

49. Du Pasquier P.E., Naciri Y. & Jeanmonod D. (2015) Morphological analysis of the *Silene gigantea* complex (Caryophyllaceae) across the Balkan Peninsula, S-W Turkey and Cyprus Island. *Plant Systematics and Evolution*. **301**:2025–2042. https://doi.org/10.1007/s00606-015-1215-0.

50. Armstrong K., Stone G., Nicholls J., Valderrama-Escallon E., Anderberg A., Smedmark J., Gautier L., Naciri Y., Milne R. & Richardson J.E. (2014) Patterns of diversification amongst tropical regions compared: a case study in *Sapotaceae*. *Frontiers in Genetics,* **5**: 362.

51. Christe C., Kozlowski G., Frey D., Bétrisey S., Maharramova E., Garfì G., Pirintsos S. & Naciri Y. (2014). Footprints of past intensive diversification and structuring for the genus *Zelkova* (*Ulmaceae*) in south-western Eurasia. *Journal of Biogeography*, **41**: 1081-1093.

52. Christe, C., G. Kozlowski, D. Frey, L. Fazan, S. Betrisey, S. Pirintsos, J. Gratzfeld & Naciri Y. (2014). Do living ex situ collections capture the genetic variation of wild populations?: a molecular analysis of two relict tree species: *Zelkova abelica* and *Zelkova carpinifolia*. *Biodiversity & Conservation*, **23**: 2945-2959.

53. Christe C., Caetano S., Aeschimann D., Kropf M., Diadema K., Naciri Y. (2014). The intraspecific genetic variability of siliceous and calcareous *Gentiana* species is shaped by contrasting demographic and re-colonization processes. *Molecular Phylogenetics and Evolution*, **70**: 323-336.

54. Gautier L., Naciri Y**.**, Anderberg A.A., Smedmark J.E.E., Randrianaivo R., & Swenson U. (2013). A new species, a new genus and a new tribe of Sapotaceae, endemic to Madagascar. *Taxon*, **62**: 972–983.

55. Chautems A. & Perret M. (2013). Redefinition of the Neotropical genera *Codonanthe* (Mart.) Hanst. and Codonanthopsis Mansf. (Gesneriaceae). *Selbyana* **31(2)**: 143-156.

56. Cano A., Perret M. & Stauffer F.W. (2013). A revision of the genus Trithrinax (Cryosophileae, Coryphoideae, Arecaceae). *Phytotaxa* **136 (1)**: 1-53. https://doi.org/10.11646/phytotaxa.136.1.1.

57. Cailliau A., Long D., Price M.J. & M. Perret. (2013). Phylogeny and systematic position of *Mesoptychia* (Lindb.) A. Evans. *Plant Systematics and Evolution* **299**: 1243-1251. https://doi.org/10.1007/s00606-013-0792-z.

58. Perret M., Chautems A., Araujo A.O. & Salamin N. (2013). Temporal and spatial origin of Gesneriaceae in the New World inferred from plastid DNA sequences. *Botanical Journal of the Linnean Society* **171**: 61-79. https://doi.org/10.1111/j.1095-8339.2012.01303.x.

59. Caetano S., Currat M., Prado D., Pennington R.T., Excoffier L. & Naciri Y. (2012). Recent colonization of the Galapagos by the tree *Geoffroea spinosa* Jacq. (Leguminosae)*. Molecular Ecology,* **21**: 2743–2760*.*

60. Naciri Y., Caetano S. & Salamin N. (2012). Plant DNA Barcodes and the influence of gene flow. *Molecular Ecology Resources,* **12**: 575–580.

61. Naciri Y., Cavat F. & Jeanmonod D. (2010). *Silene patula* (Siphonomorpha, Caryophyllaceae) in North Africa: A test of colonisation routes using chloroplast markers. *Molecular Phylogenetics and Evolution,* **54**: 922-932.

62. Naciri Y. & Manen J.-F. (2010). Potential transfer from the chloroplast to the nuclear (NuPt) in *Eryngium alpinum* L. (Apiaceae). *Molecular Ecology Resources,* **10**: 728-731.

63. Lang A. & Naciri Y. (2010). New chloroplast primers for intraspecific variation in *Dicranum scoparium* Hedw. and amplification success in other bryophyte species. *Molecular Ecology Resources,* **10**: 735-737.

64. Manen J.F., Barriera G., Loizeau P.A. & Naciri Y. (2010). The history of extant *Ilex* species (Aquifoliaceae): evidence of hybridization within a Miocene radiation. *Molecular Phylogenetics and Evolution*, **57**: 961-977.

65. Araujo A. O., V. C. Souza and M. Perret. (2010). *Chautemsia calcicola*, a new genus and species of Gloxinieae (Gesneriaceae) from Minas Gerais, Brazil. *Taxon* **59(1)**: 203-208. https://www.jstor.org/stable/27757063

Livres et chapitres de livres

1. Gautier L., Boluda C.G., Randriarisoa A., Randrianaivo R. & Naciri Y. (2022). Sapotaceae. In *The new natural history of Madagascar*. Pp. 726-738. Princeton University Press, New Jersey.

2. Gautier L., Randriarisoa A., Boluda G.C., Christe C., Cornelisse K. & Naciri Y. (2021). Case study 3: Conservation assessments in Malagasy Sapotaceae. In: *The Red List of trees of Madagascar*: Pp. 18-20. Richmond, Botanic Gardens Conservation International.

3. Kozlowski G., Bétrisey S., Song Y., Fazan L., Garfì G. (2018). The Red List of *Zelkova*. Contributors: Boratynski A., Buord S., Carra A., Christe C., Deng M., Egli B., Fragnière Y., Frey D., Ghosn D., Gratzfeld J., Jasinska A.K., Kozlowski E., Liu Z., Naciri Y., Pasta S., Pirintos S., Remoundou H., Yousefzadeh H. (2018). Natural History Museum Fribourg, Switzerland. ISBN 978-2-9701096-2-4

4. Spichiger R., Clerc P., Figeat M., Gautier L., Jeanmonod D., Loizeau P.-A., Naciri Y., Perret M., Price M. (2016). *Botanique Systématique, avec une introduction aux grands groupes de champignons.* Spichiger, Figeat & Jeanmonod (Dir). Presses Polytechnique et Universitaire Romandes. 448p. ISBN 978-2-88915-134-9

5. Kozlowski G & Gratzfeld J. (2013). *Zelkova* – an ancient tree. Global status and conservation action. Natural History Museum Fribourg, Switzerland. Contributors: Bétrisey S., Christe C., Fazan L., Frey D., Garfì G., Gerber E., Kozlowski E., Löwy M., Naciri Y. & Siegel H.-R. ISBN 978-2-8399-1211-2

6. Caetano S. & Naciri Y. (2011). The biogeography of Seasonally Dry Tropical Forest in South America. Chapter in *Seasonally Dry Tropical Forests*: *Ecology and Conservation*. R. Dirzo, H.S. Young, H.A. Mooney, G. Ceballos Eds. Pp 23-44. Island Press, Stanford. ISBN 978-1-59726-704-5

Guides de terrain

1. Perret M., Clark J.L., Graham C. & Tobar F. (2021). *Gesneriaceae of the Pichincha Province in Ecuador.* Field guide 1323. Field Museum, Chicago, USA. https://fieldguides.fieldmuseum.org/guides/guide/1323

2. Perret M., Chautems A., Ferreira G.E., Clavijo L. & Zuluaga A. (2017). *Gesneriaceae of the Rio Anchicayá basin Parque Nacional Natural Los Farallones de Cali (Valle del Cauca–Colombia).* Field guide 922. Field Museum, Chicago, USA. https://fieldguides.fieldmuseum.org/guides/guide/922