

Prof. Livia ECHTERNACHT, Ph.D.

Professional address:

Plant Systematics Laboratory

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Date of birth: 10th April 1984

Nationality: Brazilian

Current Position: Professor since 2013

ACADEMIC QUALIFICATIONS

2012 **Ph.D. thesis** in “Ciências (Botânica)” / “Système Botanique”
subject: "Systematics of *Syngonanthus* and *Comanthera* (Eriocaulaceae)

Double Degree Ph.D. from the Universidade de São Paulo (USP, São Paulo, Brazil)
and the Muséum National d'Histoire Naturelle de Paris (MNHN, France)
Supervised by P.T. Sano (USP) and J.-Y. Dubuisson (MNHN)

2007 **Master** in “Sciences de la Nature et de l’Homme”
at the Muséum National d'Histoire Naturelle de Paris (MNHN, France)
Supervised by J.-Y. Dubuisson

PROFESSIONAL EXPERIENCE

Since 2013 Teaching and lectures in evolutionary botany, phylogenetic reconstruction and plant systematics for Licence and Master levels at Universidade Federal de Uberlândia (UFU, 2013 – 2015) and at Universidade Federal de Ouro Preto (UFOP, 2015 - 2019). ~ 200 hours/year.

Since 2003 Field trips in tropical areas for collecting material and data in Brazil (2002 – 2019), France (2006 – 2010), Venezuela (2008), La Réunion (2010), Peru (2013).

RESEARCH INTERESTS

- Floristic inventories
- Threatened and endemic flora
- Systematics and evolution of Eriocaulaceae (Poales)
- Biogeography of Campos Rupestres

AFFILIATION TO PROFESSIONAL SOCIETIES

- Sociedade Brasileira de Botânica

PRINCIPAL COLLABORATIONS

J.Y.-Dubuisson (MNHN, UPMC, France), P.T.Sano (USP, Brazil), M. Pignal (MNHN, France) T. Stützel (Ruhr-Universität, Bochum, Germany), J.R. Stehmann (UFMG, Brazil), A. Salino (UFMG, Brazil), M. Trovó (UFRJ, Brazil), A.M. Giulietti-Harley (ITV/UEFS, Brazil).

SUPERVISION OF Master students

2019 - atual	Ambar Solvevila Cordoba: geobotany in Campos Rupestres, UFOP
2017 - atual	Gabriel Caldeira Machado: floristics on Campos Rupestres of the Quadrilátero Ferrífero, UFOP
2017-2019	Laís Couto Zeferino: Synopsis of <i>Ludwigia</i> L. (Onagraceae) for Brazil, UFOP
2016-2018	Mariane Silva Freitas: Biogeography of Eriocaulaceae from Serra da Canastra (Minas Gerais, Brazil), UFU
2015-2017	Lilian Flávia Araújo: Tracheophyte biodiversity of the Campos Rupestres, UFU

PUBLICATIONS

- 1) Trovó, Marcelo; **Echternacht, Livia**; Sano, Paulo T.; Costa, Fabiane N. Revisiting *Paepalanthus* subsect. *Polycladus* (Eriocaulaceae): re-circumscription, nomenclatural notes and description of a noteworthy new species. *Folia Geobotanica*, v. 1, p. 1-12, 2019.
- 2) Costa, Fabiane N.; Andriano, Caroline O.; Sano, Paulo T.; Trovó, Marcelo; **Echternacht, L.** *Paepalanthus* (Eriocaulaceae) in the Central Espinhaço Range in Minas Gerais, Brazil: checklist, endemism, and nomenclatural changes. *Phytotaxa* (on-line), v. 367, p. 133, 2018.
- 3) BFG - The Brazil Flora Group; **Echternacht, L.** Brazilian Flora 2020: Innovation and collaboration to meet Target 1 of the Global Strategy for Plant Conservation (GSPC). *Rodriguesia*, v. 69, p. 1513-1527, 2018.
- 4) Costa, Fabiane N.; Andriano, Caroline O.; Trovó, Marcelo; **Echternacht, L.**; Sano, Paulo T. Three new micro-endemic species of *Paepalanthus* (Paepalanthoideae, Eriocaulaceae) from Serra do Ambrósio, Minas Gerais, Brazil. *Phytotaxa* (Online), v. 247, p. 118-126, 2016.
- 5) Silveira, Fernando A. O.; Negreiros, Daniel; Barbosa, Newton P. U.; Buisson, Elise; Carmo, Flávio F.; Carstensen, Daniel W.; Conceição, Abel A.; Cornelissen, Tatiana G.; **Echternacht, Livia**; Fernandes, G. Wilson; Garcia, Queila S.; Guerra, Tadeu J.; Jacobi, Claudia M.; Lemos-Filho, José P.; Le Stradic, Soizig; Morellato, Leonor Patrícia C.; Neves, Frederico S.; Oliveira, Rafael S.; Schaefer, Carlos E.; Viana, Pedro L.; Lambers, Hans. Ecology and evolution of plant diversity in the endangered campo rupestre: a neglected conservation priority. *Plant and Soil* (Print), v. 403, p. 129-152, 2016.
- 6) **Echternacht, Livia**; Trovó, Marcelo. *Paepalanthus serpens*, a new microendemic species of Eriocaulaceae from the Espinhaço Range, Minas Gerais, Brazil. *PhytoKeys*, v. 48, p. 43-49, 2015.
- 7) **Echternacht, Livia**; Sano, Paulo T.; Dubuisson, Jean-Yves. Taxonomic Study of *Comanthera* subg. *Thysanocephalus* (Eriocaulaceae). *Systematic Botany*, v. 40, p. 136-150, 2015.
- 8) Trovó, Marcelo; **Echternacht, Livia**; Costa, Fabiane; Giulietti, Ana; Sano, Paulo. Nomenclatural and Taxonomic Notes on Eriocaulaceae from the Atlantic Forest, Brazil. *Phytotaxa* (Online), v. 205, p. 249, 2015.
- 9) Watanabe, Maurício T.C.; **Echternacht, Livia**; Hensold, Nancy; Sano, Paulo T. Two new and endangered species of *Syngonanthus* (Eriocaulaceae) from Chapada dos Veadeiros, Goiás, Brazil. *Phytotaxa* (Online), v. 212, p. 271, 2015.
- 10) Sano, Paulo T.; Costa, Fabiane N.; Trovó, Marcelo; **Echternacht, Livia**. *Paepalanthus magistrae* (Eriocaulaceae), a remarkable new species in honor of Ana Maria Giulietti-Harley. *Rodriguesia* (Online), v. 66, p. 299-303, 2015.
- 11) BFG - The Brazil Flora Group; **Echternacht, Livia**. Growing knowledge: an overview of Seed Plant diversity in Brazil. *Rodriguesia* (Online), v. 66, p. 1085-1113, 2015.
- 12) **Echternacht, Livia**; Sano, Paulo T. ; Bonillo, Cécile ; Cruaud, Corinne; Couloux, Arnaud; Dubuisson, Jean-Yves. Phylogeny and taxonomy of *Syngonanthus* and *Comanthera* (Eriocaulaceae): Evidence from expanded sampling. *Taxon*, v. 63, p. 47-63, 2014.
- 13) Trovó, Marcelo; **Echternacht, Livia**; Costa, Fabiane N.; Watanabe, Mauricio T. C.; Sano, Paulo T. Nomenclatural and taxonomic novelties in Eriocaulaceae from the states of Rio de Janeiro and Santa Catarina, Brazil. *Phytotaxa: a rapid international journal for accelerating the publication of botanical taxonomy*, v. 162, p. 217-222, 2014.
- 14) **Echternacht, Livia**. A critically endangered new species of *Comanthera* from Bahia, Brazil (Paepalanthoideae, Eriocaulaceae). *Phytotaxa* (Online), v. 186, p. 166-173, 2014.

- 15) **Echternacht, Livia**; Trovó, Marcelo; Sano, Paulo T. Three New Species of *Paepalanthus* sect. *Diphyomene* (Eriocaulaceae) from Minas Gerais, Brazil. *Novon* (Saint Louis, Mo.), v. 22, p. 325-331, 2013.
- 16) Trovó, Marcelo ; **Echternacht, Livia**; Sano, Paulo T. Distribution and Conservation of *Paepalanthus* Mart. sect. *Diphyomene* Ruhlman (Eriocaulaceae) in Neotropical savannas. *Adansonia*, v. 35, p. 195-206, 2013.
- 17) Trovó, Marcelo; **Echternacht, Livia**; Sano, Paulo T.; Costa, Fabiane N. *Paepalanthus aleurophyllus*, a new species of *Eriocaulaceae* from Minas Gerais, Brazil. *Blumea* (Leiden), p. 77-79, 2013.
- 18) Barreto, Leilane C.; **Echternacht, Livia**; Garcia, Queila S. Seed coat sculpture in *Comanthera* (Eriocaulaceae) and its implications on taxonomy and phylogenetics. *Plant Systematics and Evolution*, v. 64, p. 30-34, 2013.
- 19) **Echternacht, Livia**; Sano, Paulo T. A new *Comanthera* (Eriocaulaceae) from the Espinhaço Range, Minas Gerais, Brazil. *Brittonia* (Bronx, N.Y.), v. 64, p. 30-34, 2012.
- 20) **Echternacht, Livia**; Trovó, Marcelo; Costa, Fabiane N. *Actinocephalus pachyphyllus*: re-establishment, redefinition, and a new combination in Eriocaulaceae from Brazil. *Kew Bulletin*, v. 67, p. 25-31, 2012.
- 21) **Echternacht, Livia**; Trovó, Marcelo; Costa, Fabiane N.; Sano, Paulo T. Análise comparativa da riqueza de Eriocaulaceae nos parques estaduais de Minas Gerais, Brasil. *MG. Biota*, v. 4, p. 18-31, 2012.
- 22) Pynee, Kersley; Hennequin, Sabinne; **Echternacht, Livia**; Dubuisson, Jean-Yves. A new local variety of *Crepidomanes minutum* (Hymenophyllaceae) in the Mascarene Archipelago (Indian Ocean) and a new record for Mauritius. *Phytotaxa: a rapid international journal for accelerating the publication of botanical taxonomy*, v. 62, p. 25, 2012.
- 23) Trovó, Marcelo; **Echternacht, Livia**; Sano, Paulo T. *Paepalanthus sphaeroides*, a new species of *Eriocaulaceae* from the Atlantic Forest, Brazil. *Blumea* (Leiden), v. 57, p. 105-108, 2012.
- 24) **Echternacht, Livia**; Trovó, Marcelo; Sano, Paulo T. *Paepalanthus rectifolius*, a new name in Eriocaulaceae (Poales). *PhytoKeys*, v. 10, p. 7, 2012.
- 25) **Echternacht, Livia**; Sano, Paulo T.; Stehmann, João R. Onde estão as coleções-tipo das sempre-vivas brasileiras (*Syngonanthus*, Eriocaulaceae)? *MG. Biota*, v. 4, p. 32-47, 2012.
- 26) Trovó, Marcelo; **Echternacht, Livia**; Sano, Paulo T. *Paepalanthus hirtellus*, a new species of *Paepalanthus* subsection *Actinocephaloides* (Eriocaulaceae) from Minas Gerais, Brazil. *Phytotaxa*, v. 15, p. 26-32, 2011.
- 27) **Echternacht, Livia**; Trovó, Marcelo; Sano, Paulo T. Two new species of *Actinocephalus* (Eriocaulaceae) from Minas Gerais, Brazil. *Phytotaxa: a rapid international journal for accelerating the publication of botanical taxonomy*, v. 27, p. 26-36, 2016.
- 28) **Echternacht, Livia**; Trovó, Marcelo; Oliveira, Caetano T.; Pirani, José R. Areas of endemism in the Espinhaço Range in Minas Gerais, Brazil. *Flora* (Jena), v. 206, p. 782-791, 2011.
- 29) **Echternacht, Livia**; Sano, Paulo T.; Trovó, Marcelo; Dubuisson, Jean-Yves. Phylogenetic analysis of the Brazilian microendemic *Paepalanthus* subgenus *Xeractis* (Eriocaulaceae) inferred from morphology. *Botanical Journal of the Linnean Society* (Print), v. 167, p. 137-152, 2011.
- 30) **Echternacht, Livia**; Trovó, Marcelo; Sano, Paulo T. Rediscoveries in Eriocaulaceae: seven narrowly distributed taxa from the Espinhaço Range in Minas Gerais, Brazil. *Feddes Repertorium*, v. 121, p. 117-126, 2010.