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Curriculum lattes:

<http://lattes.cnpq.br/7239011156547065>



I have been deeply involved in the studies on wild plants, their taxonomy and conservation. Working on the botanical identification of forest inventories and floristic surveys of the main Brazilian biomes, which enabled an in-depth knowledge regarding the taxonomy, distribution and ecology of plant species. In addition, I gained extensive field experience for having participated in these expeditions in different biomes in Brazil.

Education

- 2023** **Ph.D. in Botany (in progress)**
University of Brasília
- 2015** **M.S. in Forest Engineering**
Federal University of Santa Maria
- 2013** **B.S. in Forest Engineering**
Federal University of Santa Maria

Professional experience

2022 – 2023 **Research Fellowship / CNPq**

National Council for Scientific and Technological Development (CNPq). Strategic actions to support the collection and conservation of plant genetic resources. Embrapa-Cenagen - Herbarium CEN.

2019 – 2020 **Taxonomist Consultant / SFB**

Brazilian Forest Service (SFB) – operating in the Brazilian state of DF. Herbarium CEN and UB.

Project: <https://www.gov.br/agricultura/pt-br/assuntos/servico-florestal-brasileiro/ifn-inventario-florestal-nacional>

2014 – 2018 **Taxonomist Consultant / FAO/ONU**

Food and Agriculture Organization of the United Nations (FAO) – operating in the Brazilian states of RS, AL, PB, PE and DF. Herbarium HDCF, MAC, JPB, IPA, CEN and UB.

Project: <https://www.gov.br/agricultura/pt-br/assuntos/servico-florestal-brasileiro/ifn-inventario-florestal-nacional>

Graduate and Postgraduate fellowships

2014 – 2015 Postgraduate Research Fellowship (CAPES)

Federal University of Santa Maria;

2012 – 2013 Graduate Research Fellowship (PIBIC/CNPq), Federal University of Santa Maria;

2011 – 2011 Graduate Research Fellowship (FIPE), Federal University of Santa Maria;

- 2022** Mendes, J. C. R.; Figueira, M.; **Schindler, B.**; Noronha, S. E.; Simon, M. F.; Salles, M. F.; Athie-Souza, S. M. **Novelties in *Phyllanthus* (Phyllanthaceae) from the Brazilian Cerrado: new records of the rare species *P. allemii*.** Phytotaxa (on-line), v. 538, p. 149-156.
- 2022** Bianchini, N. H.; Silva, D. T.; **Schindler, B.**; Muniz, M. F. B.; Heinzmann, B. M. **Antifungal activity of essential oils from native tree species in Southern Brazil.** Floresta (Online) (Curitiba), v. 52, p. 304-312.
- 2021** **Schindler, B.**; Condack, J. P. S.; Gonzatti, F.; Essi, L.; Figueira, M. **Samambaias e Licófitas do Cerro da Pedra do Lagarto, Santa Maria, Rio Grande do Sul, Brasil.** Iheringia Serie Botanica, v. 76, p. e2021017-e2021017.
- 2021** Figueira, M. & **Schindler, B.** ***Rhamnidium riograndense* (Rhamnaceae), a new species from southern Brazil.** Phytotaxa (on-line), v. 510, p. 53-60.
- 2020** Figueira, M.; **Schindler, B.**; Jardim, J. G.; Barbosa, M. R. V. **Rediscovery of *Chiococca insularis* (Ridley) C.M.Taylor & M.R.V.Barbosa (Rubiaceae), a species presumed extinct, on the island of Fernando de Noronha, Pernambuco, Brazil.** Check List, Journal Of Species List And Distribution, v. 16, p. 1407-1413.
- 2018** **Schindler, B.**; Silva, D. T.; Heinzmann, B. M. **Efeito da Sazonalidade sobre o rendimento do Óleo Essencial de *Piper gaudichaudianum* Kunth.** Ciência Florestal (ONLINE), v. 28, p. 263.
- 2018** Lopes, J. M.; Souza, C. F.; **Schindler, B.**; Pinheiro, C. G.; Salbego, J.; Siqueira, J. C.; Heinzmann, B. M.; Baldisserotto, B. **Essential oils from *Citrus x aurantium* and *Citrus x latifolia* (Rutaceae) have anesthetic activity and are effective in reducing ion loss in silver catfish (*Rhamdia quelen*).** Neotropical Ichthyology, v. 16, p. e170152.
- 2018** Garlet, Q. I.; Silva, L. L.; Amaral, L.P.; **Schindler, B.**; Watzlawick, L. F.; Longhi, S. J.; Baldisserotto, B.; Heinzmann, B. M. **Anesthetic-like activity of the essential oil of *Curitiba prismatica* D. Legrand.** Rev. Bras. Pl. Med., v. 20, p. 121-126.
- 2017** **Schindler, B.** & Heinzmann, B. M. ***Piper gaudichaudianum* Kunth: Seasonal Characterization of the Essential Oil Chemical Composition of Leaves and Reproductive Organs.** Brazilian Archives of Biology And Technology, v. 60, p. e17160441.
- 2017** Bianchini, A. E.; Cunha, J. A.; Brusque, I. C. M.; Pinheiro, C. G.; **Schindler, B.**; Heinzmann, B. M.; Baldisserotto, B. **Relaxing effect of eugenol and essential oils in *Pomacea canaliculata*.** CIENCIA RURAL, v. 47, p. e20170210.
- 2015** Amaral, L. P.; Tondolo, J. S. M.; **Schindler, B.**; Silva, D. T.; Pinheiro, C. G.; Longhi, S. J.; Mallmann, C. A.; Heinzmann, B. M. **Seasonal influence on the essential oil production of *Nectandra megapotamica* (Spreng.) Mez.** Brazilian Archives of Biology And Technology, v. 58, p. 12-21.
- 2015** Amaral, L. P.; **Schindler, B.**; Bianchini, N. H.; Longhi, S. J.; Almeida, C. A. A.; Mallmann, C. A.; Heinzmann, B. M. **Variabilidad de la composición del aceite esencial de *Nectandra megapotamica* (Spreng.) Mez (Lauraceae).** Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas, v. 14, p. 190-205.
- 2014** Silva, D. T.; Silva, L. L.; Amaral, L. P.; Pinheiro, C. G.; Pires, M. M.; **Schindler, B.**; Garlet, Q. I.; Benovit, S. C.; Baldisserotto, B.; Longhi, S. J.; Kotzian, C. B.; Heinzmann, B. M. **Larvicidal Activity of Brazilian Plant Essential Oils Against *Coenagrionidae* Larvae.** Journal of Economic Entomology, v. 107, p. 1713-1720.
- 2013** Tondolo, J. S. M.; Amaral, L. P.; Simoes, L. N.; Garlet, Q. I.; **Schindler, B.**; Oliveira, T. M.; Silva, B. F.; Gomes, L. C.; Baldisserotto, B.; Mallmann, C. A.; Heinzmann, B. M. **Anesthesia and transport of fat snook *Centropomus parallelus* with the essential oil of *Nectandra megapotamica* (Spreng.) Mez.** Neotropical Ichthyology (Impresso), v. 3, p. 667-674.

Participation in projects

- 2019 – 2022 Field work:** Collection of botanical material for preliminary survey of the Vascular Flora of the ESEC Serra Geral do Tocantins (Jalapão), TO, Brazil.
- 2021 – 2022 Field work:** Collection of botanical material and remeasurement in permanent plots (Jirau Project) Herbarium CEN, RO, Brazil.
- 2014 – 2020 National Forest Inventory Project (IFN):** Botanical identification of biomes: Atlantic forest, Cerrado and Caatinga.
- 2012 – 2014 Research project:** Study of the tree compartment in a riparian forest on the Vacacaí River, Rio Grande do Sul, Brazil. Federal University of Santa Maria, RS, Brazil.
- 2010 – 2013 Research project:** Evaluation of the Potential of *Nectandra megapotamica* (Spreng.) Mez for the Production of Essential Oils. Federal University of Santa Maria, RS, Brazil.
- 2010 – 2012 Research project:** Identification and Characterization of Active Constituents of Brazilian Medicinal Plants (Subproject: Quantification of tannins in tree species for medicinal use native to southern Brazil). Federal University of Santa Maria, RS, Brazil.
- 2009 - 2010 Volunteer work:** production of seedlings of native and exotic forest species. Federal University of Santa Maria, CESNORS, RS, Brazil.

Extracurricular courses

- 2017** Workshop Strategies and Tools for Botanical Identification at IFN. Embrapa Eastern Amazon Herbarium, IAN, Pará, Brazil.
- 2016** Training Course for the Rural Environmental Registry. Federal University of Lavras (online), Brazil.
- 2014** Digitizing station handling for sheets. Federal University of Santa Maria, RS, Brazil.
- 2013** Dendrology Topics. Farroupilha Federal Institute, RS, Brazil.
- 2013** Rudiments of the Latin Language Applied to Botany. Federal University of Santa Maria, RS, Brazil.
- 2013** Brahm's 7 (herbarium data management). Federal University of Santa Maria, RS, Brazil.

Participation in scientific events

- 2019** Long Course Trail Signaling Workshop, RS, Brazil.
- 2019** XIX Meeting of the Network of Conservation Units, RS, Brazil.
- 2016** What do we know about the diversity of the genus *Mimosa* L. (Fabaceae - Mimosoideae) in Rio Grande do Sul? RS, Brazil.
- 2015** 30th Integrated Academic Journey. Federal University of Santa Maria, RS, Brazil.
- 2015** XVI Meeting of Botanists of Rio Grande do Sul and VII State Meeting of Herbariums, RS, Brazil.
- 2014** 29th Integrated Academic Journey. Federal University of Santa Maria, RS, Brazil.
- 2014** XXII Jóvenes Investigadores AUGM, Chile.
- 2013** II Reforest - National Symposium on Forest Restoration, MG, Brazil.
- 2012** I International congress on environmental law and political ecology - UFSM and III Seminar on political ecology and law in Latin America, RS, Brazil.
- 2012** Start-up Workshop for the RS Biodiversity Project in the Quarta Colônia area, RS, Brazil.
- 2012** VI Iberoamerican Symposium on Medicinal Plants, PR, Brazil.
- 2012** XVI Academic Week of Forestry Engineering, RS, Brazil.
- 2011** 26th Integrated Academic Journey. Federal University of Santa Maria, RS, Brazil.
- 2008** 10th State Forest Congress and 1st Madeira Chain Mercosur Seminar, RS, Brazil.
- 2008** I Academic Week of Forestry Engineering, RS, Brazil.