



Samuel Carleial Fernandes

Doctor of Natural Sciences

Education

- 1991–1994 **Primary School**, Instituto Educacional de Alencar, Brazil.
1995–1998 **Primary School**, Colégio 7 de Setembro, Brazil.
1999–2001 **Secondary School**, Colégio 7 de Setembro, Brazil.

Graduate and post-graduate studies

- 2002–2006 **BSc in Biological Sciences** at the Federal University of Ceará (Brazil). Supervisor: Dr. Christian Westerkamp. Thesis title: Por quê o nectário é tão grande e oblíquo em oiticica (*Licania rigida*, Chrysobalanaceae)?
2008–2010 **MSc in Biological Sciences** at the National Autonomous University of Mexico. Supervisor: Dr. Alfonso Delgado-Salinas. Thesis title: Biología floral de *Aeschynomene amorphoides* (S. Wats.) Rose ex B. L. Rob. (Leguminosae: Papilionoideae), una especie endémica mexicana. Graduated with honors
2013–2017 **PhD in Biological Sciences (Dr.rer.nat)** at the University of Konstanz in association with the International Max Planck Research School for Organismal Biology (Germany). Supervisor: Dr. Marc Stift and Dr. Mark van Kleunen. Dissertation title: The early steps of plant mating system evolution

Research experience

- 2002–2006 **Volunteer**, Plant Anatomy and Morphology Lab, Federal University of Ceará, Brazil.
2011–2011 **Technical support researcher (CNPq AT1)**, RON Herbarium, Federal University of Rondônia, Brazil. Project: REFLORA/CNPq - Integration, qualification, and provision of data related to botanical collections in the Brazilian Amazon.
2015–2016 **Volunteer**, HONKO Mangrove Conservation & Education, Madagascar. Project: Mangrove long-term monitoring and sustainable livelihoods, (2 weeks).
2017–present **Data analyst**, Project: Narrative Exposure Therapy for traumatized offenders in North Kivu, Department of Clinical and Neuropsychology, University of Konstanz. Time allocated: 65%. Contract TVL 13 (Germany).

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<https://github.com/samuel-carleial>

Teaching experience

- 2005–2006 **Teaching assistant**, Plant Anatomy and Morphology, Federal University of Ceará.
2011–2011 **Assistant professor at distance education**, Federal University of Rondônia.
2015–2016 **Teaching assistant**, Plant Physiology, University of Konstanz, 120h.

Languages

Portuguese	native	
English	advanced	TOEFL: 102/120
Spanish	advanced	EPLE, UNAM: 830/1000
German	intermediary	Goethe Institut: B2.2

Computer skills

Data	dataset management, regular expressions, data sorting/reviewing
Image	pixel/vector image processing and editing in GIMP and Inkscape
Programing	R language, Python and Linux
Statistics	data visualization, modeling (linear and multivariate regressions)
Programs	Brahms, Microsoft Office, ImageJ, RStudio

General interests

Music	Brazilian <i>chorinho</i> , classical guitar, rock
Sports	long-distance bicycling, swimming, yoga
Reading	news, novels and politics

Awards

- o PIBIC/UFC scholarship: Bachelor's funding of c. 300 R\$/month (2005–2006)
- o Conacyt scholarship: Master's studentship of 7,000 MXN/month (2008–2010)
- o CNPq scholarship: Fully-funded PhD studentship including research and travel expenses, and personal stipend of 1,365 EUR/month (2013–2017)
- o Independent Research Grant, Zukunftskolleg, University of Konstanz, 4,700 EUR for the development of a THL mobile application (2018)

Publications

- 2014 **Carleial S and Bigio NC**, *What survived from the PLANAFLORO Project: Angiosperms of Rondônia State, Brazil*, Checklist, 10(1):33-45.
- 2015 **Carleial S, Delgado-Salinas A, Domínguez CA and Terrazas T**, *Reflexed flowers in Aeschynomene amorphoides (Fabaceae: Faboideae): a mechanism promoting pollination specialization?*, Botanical Journal of the Linnean Society, 177(4):657-666.
- 2015 **Tedder A, Carleial S, Gołębiewska M, Kappel C, Shimizu KK and Stift M**, *Evolution of the selfing syndrome in Arabis alpina (Brassicaceae)*, PloS one, 10(6):e0126618.

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- 2017 **Carleial S, van Kleunen M and Stift M**, *Small reductions in corolla size and pollen:ovule ratio, but no changes in flower shape in selfing populations of the North American Arabidopsis lyrata*, Oecologia, 183:401-413.
- 2017 **Carleial S, van Kleunen M and Stift M**, *Relatively weak inbreeding depression in selfing but also in outcrossing populations of North American Arabidopsis lyrata*, Journal of Evolutionary Biology, 30:1994-2004.
- 2018 **Carleial S, Maurel N, van Kleunen M and Stift M**, *Oviposition by the Mountain alcon blue butterfly increases with host plant flower number and host ant abundance*, Basic and Applied Ecology, in press.

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