

PERSONAL
INFORMATION

Name: Angela Luciana de Avila
Nationality: Brazilian
Date of birth: 02.09.1985

Professional address: Tennenbacherstr. 4, 79085 Freiburg, Germany
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UNIVERSITY
EDUCATION

Albert-Ludwigs-University of Freiburg - Freiburg, Germany April 2012 - January 2017
 Doctorate at the Chair of Silviculture

Doctoral thesis: Recovery of a tropical rainforest over 30 years following silvicultural interventions. *Supervisor:* Prof. Dr. Jürgen Bauhus

Federal University of Santa Maria - Santa Maria, Brazil 2008 - 2010
 Master in Forest Sciences - Area: Silviculture

Master's thesis: Natural regeneration mechanisms and population structure of tree species in an Araucaria Rainforest remnant, Brazil. *Supervisor:* Prof. Dr. Maristela M. Araujo

Federal University of Santa Maria - Santa Maria, Brazil 2008 - 2009
 Specialization in Environmental Education

Specialization thesis: Tree planting as an instrument of environmental education in the basic school. *Supervisor:* Prof. Dr. Maristela M. Araujo

Technical University of Munich - Freising, Germany Oct. 2006 - March 2007
 Internship in Forest Sciences

Federal University of Santa Maria - Santa Maria, Brazil 2003 - 2008
 Forest Engineering

Diploma thesis: Characterization of the vegetation and species for recovery of riparian forests, Ijuí, Rio Grande do Sul, Brazil. *Supervisor:* Prof. Dr. Maristela M. Araujo

PROFESSIONAL
EXPERIENCE

University of West of Santa Catarina - Xanxerê, Brazil Aug. 2009 - Sep. 2011
Teaching and students supervision

- University lecturer in the courses: Silviculture, Dendrology, Vegetation Dynamics and Ecology. Member of the collegiate of the course of Forest Engineering.

Ecodamata Environmental Projects - Piraquara, Brazil May 2010 - Aug. 2010
Consultancy

- Planning, execution and report of forest inventory in a Mixed Rain Forest remnant.

Polytechnic School of the Federal University of Santa Maria March 2010 - July 2010
Teaching

- University lecturer in the course: Environmental legislation and landscape planning.

Open University of Brazil - Santa Maria, Brazil April 2009 - May 2010
Tutor in teaching

- Courses: Flora and ecosystems, Topics in environmental education and Water and soils.

Associação dos Fumicultores do Brasil - Santa Cruz do Sul, Brazil Sep. 2007 - Feb. 2008
Trainee

- Forest nursery: seedling production and studies on quality of seedlings of tree species.

PROFESSIONAL
EXPERIENCE**State Department of Environment - Porto Alegre, Brazil**

July 2005 - Aug. 2005

Trainee

- Activities developed at the Conservation Unit Delta do Jacuí State Park: operation and management of natural reserves.

Federal University of Santa Maria - Santa Maria, Brazil

2004 - 2008

Academic scholarship

- Participation in research projects related to silviculture and forest ecology.

PROFESSIONAL
DEVELOPMENT

Methoden zur Entscheidungsfindung - Entscheidungen reflektiert treffen (13h), FRS, University of Freiburg. 2016

Woher erhalte ich eine Finanzierung für mich und meine Forschung? (2h), FRS, University of Freiburg. 2016

How to plan and develop your research project (6.5h), FRS-IGA, University of Freiburg. 2016

Schneller lesen (Fast reading)(6.5h), FRS-IGA, University of Freiburg. 2016

How to give successful scientific talks (18h), FRS-IGA, University of Freiburg. 2016

Einführung in das internationale Projektmanagement (16h), FRS-IGA, University of Freiburg. 2016

Publishing research articles – strategies and steps (7h), FRS, University of Freiburg. 2016

Good Scientific Practice (14h), FRS, University of Freiburg. 2016

Carbon Forestry (5 ECTS), Chair of Silviculture, University of Freiburg. 2016

Communication of Scientific Research to a Non-expert Audience (8h), ESGC, University of Freiburg. 2015

The Scientific Review Process (16h), ESGC, University of Freiburg. 2015

Teaching in English (26h), SLI, University of Freiburg. 2015

Speaking and Writing Skills in an Academic Context (18h), IGA, University of Freiburg. 2014

Scientific Writing (14h), IGA, University of Freiburg. 2014

Enhancing Communication Skills (18h), IGA, University of Freiburg. 2014

Powerful Scientific Presentations (14h), IGA, University of Freiburg. 2013

English speaking, reading and writing skills in an academic context (18h), IGA. 2012

R and its applications in Statistics (40h), ESGC, University of Freiburg. 2012

Hands-on course on data analysis and statistics (22h), IGA, University of Freiburg. 2012

Permanent program for university lecturer (40h). 2010

Training course for tutors in teaching (20h). 2009

Symbiotic fungi from the soil and mycorrhizal roots (40h). 2006

PEER-
REVIEWED
PUBLISHED
ARTICLES

de AVILA, A. L.; SCHWARTZ, G.; RUSCHEL, A. R.; LOPES, J. C.; SILVA, J. N. M.; CARVALHO, J. O. P.; DORMANN, C. F.; MAZZEI, L.; SOARES, M.; BAUHUS, J. 2016. Recruitment, growth and recovery of commercial tree species over 30 years following logging and thinning in a tropical rainforest. *Forest Ecology and Management*, 385:225-235.

de AVILA, A. L.; ARAUJO, M. M.; LONGHI, S. J.; SCHNEIDER, P.R.; CARVALHO, J. O. P. de 2016. Population structure and regeneration of arboreal species in the National Forest of São Francisco de Paula, RS (original in Portuguese). *Ciência Florestal*, 26:825-838.

VAN DER SANDE, M.; ARETS, E. J. M. M.; PEÑA-CLAROS, M.; DE AVILA, A. L.; ROOPSIND, A.; MAZZEI, L. ; ASCARRUNZ, N.; FINEGAN, B.; ALARCÓN, A.; CÁCERES-SIANI, Y.; LICONA, J.C.; RUSCHEL, A. R. ; TOLEDO, M.; POORTER, L. 2016. Old-growth Neotropical forests are shifting in species and trait composition. *Ecological Monographs*, 86: 228-243.

de AVILA, A. L.; RUSCHEL, A. R. ; CARVALHO, J. O. P. ; MAZZEI, L. ; SILVA, J. N. M. ; LOPES, J. C. ; ARAUJO, M. M. ; DORMANN, C. F. ; BAUHUS, J. 2015. Medium-term dynamics of tree species composition in response to silvicultural intervention intensities in a tropical rain forest. *Biological Conservation*, 191: 577-586.

GASPARIN, E.; de AVILA, A. L.; ARAUJO, M. M.; DORNELES, D. U.; FOLTZ, D. 2014. Influence of substrate and container volume on quality of seedlings of *Cabralea canjerana* (Vell.) Mart. in nursery and field performance (original in Portuguese). *Ciência Florestal*. 24: 553-563.

de AVILA, A. L.; ARAUJO, M. M.; GASPARIN, E.; LONGHI, S. J. 2013. Natural regeneration mechanisms in a Mixed Rainforest remnant, Brazil (original in Portuguese). *Cerne*. 19: 621-628.

FILHO, A. C.; ARAUJO, M. M.; GASPARIN, E.; AVILA, A. L. de. 2012. Sample size for evaluating the height and diameter of seedlings of *Cabralea canjerana* (Vell.) Mart. (original in Portuguese). *Ciência Rural*. 42(7): 1204-1211.

GASPARIN, E.; ARAUJO, M. M.; de AVILA, A. L.; WIELEWICKI, A. P. 2012. Identification of substrate suitable for seed germination of *Allophylus edulis* (A. St .- Hil., Cambess. & A. Juss.) Radlk. (original in Portuguese). *Ciência Florestal*. 22(3): 625-630.

SANTOS, C.; CHIOSSI, R.; de AVILA, A. L.; GASPARIN, E. 2012. Floristic composition and phytosociology in a Mixed Rainforest (original in Portuguese). *Unesc & Ciência*. 3(1): 7-22.

de AVILA, A. L.; ARAUJO, M. M.; LONGHI, S. J.; GASPARIN, E. 2011. Floristic clusters in natural regeneration in a Mixed Rainforest remnant, RS, Brazil (original in Portuguese). *Scientia Forestalis*. 39(91): 331-342.

de AVILA, A. L.; ARAUJO, M. M.; LONGHI, S. J.; GASPARIN, E. 2011. Characterization of the vegetation for recovery of riparian forest, Ijuí, RS, Brazil (original in Portuguese). *Ciência Florestal*. 21(2): 251-260.

ARAUJO, M. M.; CHAMI, L.; LONGHI, S. J.; de AVILA, A. L.; BRENA, D.A. 2010. Cluster analysis in a mixed rainforest (original in Portuguese). *Ciência Florestal*. 20(1): 1-18.

de AVILA, A. L.; ARGENTA, M. da S.; MUNIZ, M. F. de B.; POLETO, I.; BLUME, E. 2009. Physiologic maturation of *Eugenia uniflora* L. (surinam cherry) seeds, Santa Maria, RS (original in Portuguese). *Ciência Florestal*. 19(1): 61-68.

de AVILA, A. L.; ARAUJO, M. M.; NOGUERA, J. O. C.; GRINGS, V. T. 2009. Environmental education in primary school through identification and planting of tree species (original in Portuguese). *Revista Eletrônica do Mestrado em Educação Ambiental*. 22: 364-381.

de AVILA, A. L.; ARAUJO, M. M.; ALMEIDA, C. M.; LIPPERT, D. B.; LONGHI, R. 2007. Natural regeneration in the understory of *Eucalyptus camaldulensis* Dehnh., Santa Maria, RS (original in Portuguese). *Revista Brasileira de Biociências* 5: 696-698.

SUBMITTED

ARTICLES

de AVILA, A. L.; VAN DER SANDE, M.; DORMANN, C. F.; PEÑA-CLAROS, M.; POORTER, L.; MAZZEI, L.; RUSCHEL, A. R.; SILVA, J. N. M.; CARVALHO, J. O. P.; BAUHUS, J. Biomass resilience to silvicultural interventions in a tropical rainforest: effects of disturbance intensity and tree community properties.

CONFERENCES:

ORAL AND

POSTER

PRESENTATIONS

- SINCE 2012

de AVILA, A. L.; SCHWARTZ, G.; RUSCHEL, A. R.; LOPES, J. C.; SILVA, J. N. M.; MAZZEI, L.; CARVALHO, J. O. P.; BAUHUS, J. Effect of silvicultural interventions on the recovery of commercial growing stock over 30 years in the Brazilian Amazon. *FowiTa - Forstwissenschaftlichen Tagung*, 2017 - Poster, Freiburg im Breisgau, Germany.

de AVILA, A. L.; VAN DER SANDE, M.; DORMANN, C. F.; PEÑA-CLAROS, M. ; POORTER, L.; MAZZEI, L.; RUSCHEL, A. R. ; SILVA, J. N. M. ; CARVALHO, J. O. P. ; BAUHUS, J. Effects of disturbance intensity and tree diversity on the biomass recovery of a managed tropical forest. *Annual Meeting of the Association for Tropical Biology and Conservation*, 2016 - Oral, Montpellier, France.

de AVILA, A.L., RUSCHEL, A. R., CARVALHO, J. O. P., SILVA, J. N. M., FREITAS, L. J. M., DORMANN, C., BAUHUS, J. Forest recovery over 30 years following management interventions of different intensities in the Brazilian Amazon. *Annual Conference of the Society for Tropical Ecology*, 2015 - Oral, Zürich, Switzerland.

de AVILA, A.L., RUSCHEL, A. R., CARVALHO, J. O. P., FREITAS, L. J. M., SILVA, J. N. M., BAUHUS, J. Post-logging stand dynamics of a tropical rain forest in the Brazilian Amazon. *XXIV IUFRO World Congress*, 2014 - Oral, Salt Lake City, USA.

de AVILA, A.L., RUSCHEL, A. R., CARVALHO, J. O. P., DORMANN, C., BAUHUS, J. How does logging influence dynamics of tree species diversity in a tropical rain forest in the Brazilian Amazon? *Annual Conference of the Society for Tropical Ecology*, 2014 - Poster, Friesing, Germany.

RESEARCH

PROJECTS

Post-logging dynamics of a <i>terra firme</i> rain forest in the Brazilian Amazon.	2012-2017
Population structure of forest species in Mixed Rainforest, Santa Catarina, Brazil.	2010 - 2011
Training in seeds and seedlings production of tree species.	2009 - 2010
Natural regeneration mechanisms of tree species in a Mixed Rainforest, Brazil.	2008 - 2010
Autoecology and silviculture of native and exotic tree species.	2008 - 2010

AWARDS AND

SCHOLARSHIPS

Graduate School "Environment, Society and Global Change", University of Freiburg. Best oral presentation Award - Annual meeting of the Graduate School ESGC.	May 2015,
Graduate School "Environment, Society and Global Change", University of Freiburg. Best poster Award - Annual meeting of the Graduate School ESGC.	May 2014,
German Academic Exchange Service - DAAD Doctoral scholarship.	April 2012 - Dez. 2015
National Council for Scientific and Technological Development - CNPq Master scholarship.	March 2008 - Feb. 2010
ALFA - EUFORLA Project Exchange at the Technical University of Munich.	Oct. 2006 - March 2007

LANGUAGE

SKILLS Portuguese - Mother tongue / English - Advanced / German - Advanced / Spanish - Intermediate

CONTRIBUTIONS

TO TEACHING -

UNIVERSITY OF B.Sc. International Forestry, Course "Ecology of the forests of the earth I" SS 2015 / SS 2016
FREIBURG M.Sc. Forest Sciences, Courses "Plantation Forestry" and "Tropical Forest Ecology" WS 2016/17

INVITED

REVIEW OF

MANUSCRIPTS Forests / Biological Conservation / Revista Floresta

PROFESSIONAL

MEMBERSHIPS

Council for Tropical and Subtropical Agricultural Research. since 2014
Society for Tropical Ecology (gtö). since 2013

OTHER

ACADEMIC OR

TECHNICAL

WORKS

de AVILA, A. L. "Impacto da Exploração sobre a diversidade florística de uma floresta de terra-firme". Presentation at a Technical Meeting "Innovating Baselines for sustainable forest management (Embrapa-Cirad/PEFC)". 2016.

IUFRO Spotlight n. 37. Conserving Biodiversity While Managing Tropical Forests. 2016.

de AVILA, A. L. Lectures on seedling production at the forest nursery of the Federal University of Santa Maria. 2009.

ARAUJO, M. M.; FARIAS, J. A.; de AVILA, A. L.; ZIMMERMANN, A. Seed bank for seed storage: A guide to identification, collection and processing of seeds from native tree species. 2008.

SCIENTIFIC

COLLABORA-

TIONS

Embrapa Amazônia Oriental since 2012

- Collaboration initiated by myself to use data from Embrapa and work together with Embrapa's researchers in my doctoral research.

Forest Ecology and Forest Management, University of Wageningen 2014

- Collaboration initiated by myself to develop part of my doctoral research.

Tropical managed Forests Observatory (TmFO) 2016

- Collaboration initiated by TmFO to analyse data for a post-doctoral research.

ACADEMIC

REFEREES

Prof. Dr. Jürgen Bauhus, University of Freiburg
E-mail: juergen.bauhus@waldbau.uni-freiburg.de, Tel: +49 761 203-3677.

Prof. Dr. Carsten Dormann, University of Freiburg
E-mail: carsten.dormann@biom.uni-freiburg.de, Tel: +49 761 203-3751.

Dr. Marielos Pena Claros, University of Wageningen
E-mail: marielos.penaclaros@wur.nl, Tel: +31 31 748-6353.

Prof. Dr. Marsitela Machado Araujo, Federal University of Santa Maria
E-mail: araujo.maristela@gmail.com, Tel: +55 55 3220-8276.