

Curriculum Vitae

Simone Ap. Vieira

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Education

- Ph.D., Centro de Energia Nuclear na Agricultura (CENA) – “Mudanças globais e taxa de crescimento arbóreo na Amazonia” - Universidade de São Paulo (USP), Piracicaba (Isotopic Ecology Group) 2003
- Ms., Escola Superior de Agricultura Luiz de Queirós (ESALQ) – “Impacto dos plantios florestais na ciclagem de nutrientes no cerrado do estado de São Paulo” - Universidade de São Paulo (USP), Piracicaba (Forestry Group) 1998
- B.S., Escola Superior de Agricultura Luiz de Queirós (ESALQ) – Universidade de São Paulo (USP), Piracicaba, in agronomic engineering, 1991

Complementary formation:

- ESALQ-USP short course “Dendroecologia”, 1998, coordinated by Dr. Mario Tomazello and Martin Worbes.
- UCI - “Plant Sample Process to radiocarbon analyses, 2002. University of California, Irvine, USA.
- UCI short course - “Radiocarbon in Ecology and Earth System Science”, University of California, Irvine, EUA, July 2005, 80 h, coordinated by Dr. Susan Trumbore and Dr. Ted Schuur (Univ. Florida Gainesville)
- UFLA – Specialization in Forest Manager, 2006-2007, 480h. Universidade Federal de Lavras, Brasil.

Grants and Fellowships Received:

- Fundação de Amparo a Pesquisa do Estado de São Paulo (FAPESP) – Pos-Doctoral Grant (2004-2008) – Projects (2004-2009) - (2013-2015) – (2013-2017) - (2014-2016) – (2018-2020)
- NASA/LBA Project Pos-Doctoral Grant (2003-2004)
- Fundação de Amparo a Pesquisa do Estado de São Paulo (FAPESP) - Doctoral Dissertation Improvement Grant (1999-2003)
- Coordenação de Aperfeiçoamento de pessoal de nível superior (CAPES) – Máster Dissertation Improvement Grant (1996-1998) – Projects (2012-2016) - (2016-2019)
- Co-investigator, Carbon Dynamics in Vegetation and Soils Along the Eastern LBA Transect (NASA Large-Scale Biosphere-Atmosphere Experiment in Amazonia, phase 2; PI: S.E. Trumbore), 2002-2005

Professional Experience

- *Post-doctoral Fellow*, CENA/USP, Laboratório de Ecologia Isotópica 2003-2008
- *Research Associate*, Convênio EMBRAPA/Woods Hole Research Center, 1991-1993
- Advising two undergraduate students (with internships) at the Isotope Ecology Laboratory, CENA, University of São Paulo – 2003-2008
- Panel Reviewer for FAPESP
- Reviewer for: *Oecologia*; *Plant Ecology*; *Acta Botanica Brasilica*; *Hoehnea* (São Paulo); *Revista Árvore*; *Journal of Vegetation Science*; *Pesquisa Florestal Brasileira*; *Forest Ecology and Management*; *Acta Amazonica*; *Boletim de Pesquisa e Desenvolvimento*; *Natureza e Conservação*; *African Journal of Ecology*; *Canadian Journal of Forest Research*; *Biota Neotropica*, *Biodiversity and Conservation*; *Journal of Ecology*; *Plos One*; *Ecological Applications*; *Science*; *Biogeosciences Discussion*; *Food and Energy Security*
- *Teacher of Ecology Graduate Program* and *Environmental and Societal PhD Program*

Publications

- D'ALBERTAS, F. et al. Lack of evidence of edge age and additive edge effects on carbon stocks in a tropical forest. *Forest Ecology and Management*, v. 407, p. 57-65, 2018.
- REIS, C.R.G. et al. Nitrogen dynamics in subtropical fringe and basin mangrove forests inferred from stable isotopes. *Oecologia*, v. 183, p. 841-848, 2017
- FAUSET, S. et al. Tropical forest light regimes in a human-modified landscape. *Ecosphere*, v. 8, p. e02002-15, 2017.
- SCARANELLO, M.A. et al. The role of stand structure and palm abundance in predicting above-ground biomass at local scale in southern Amazonia. *Plant Ecology & Diversity*, p. 1-12, 2016
- WAGNER, F. et al. ; Climate seasonality limits leaf carbon assimilation and wood productivity in tropical forests. *Biogeosciences*, v. 13, p. 2537-2562, 2016
- COELHO, F., KYLE, D., PHILLIPS, O., et al. ; Evolutionary heritage influences Amazon tree ecology. *Proceedings - Royal Society. Biological Sciences (Print)*, v. 283, p. 20161587, 2016.
- BRIENEN, R. J. W. et al. ; Long-term decline of the Amazon carbon sink. *Nature (London)*, v. 519, p. 344-348, 2015.
- SLIK, J.W.F. et al. An estimate of the number of tropical tree species. *PNAS* 112 (24), 7472-7477, 2015
- MASSAD, T.J. et al. Interactions between repeated fire, nutrients, and insect herbivores affect the recovery of diversity in the southern Amazon. *Oecologia*, v. 172, p. 219-229, 2013.
- FAUSET, S.J. et al. ; Hyperdominance in Amazonian forest carbon cycling. *Nature Communications*, v. 6, p. 6857, 2015.
- MITCHARD, E.T.A. et al.; Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. *Global Ecology and Biogeography (Print)*, v. 23, p. 935-946, 2014.
- VIEIRA, S.A. et al. Stocks of carbon and nitrogen and partitioning between above- and belowground pools in the Brazilian coastal Atlantic Forest elevation range. *Ecology and Evolution*, v. early, p. No-no, 2011.
- SAMANTA, A.; COSTA, M. H.; NUNES, E. L.; VIEIRA, S.A.; XU, L.; MYNENI, R. B. Comment on "Drought-Induced Reduction in Global Terrestrial Net Primary Production from 2000 Through 2009". *Science (New York, N.Y.)*, v. 333, p. 1093-1093, 2011.
- ALVES, L.F.; VIEIRA, S.; SCARANELLO, M.; CAMARGO, P.; SANTOS, F.; JOLY, C.; MARTINELLI, L. Forest structure and live aboveground biomass variation along an elevational gradient of tropical Atlantic moist forest (Brazil). *Forest Ecology and Management*, v. 260, p. 679-691, 2010.
- VIEIRA, S.A. et al. Estimation of biomass and carbon stocks: the case of the Atlantic Forest. *Biota Neotropica (Edição em Português. Online)*, V. 8, P. 21-29, 2008.
- VIEIRA, S. A. et al. Slow growth rates of Amazonian trees: consequences for carbon cycling. *PNAS. Proceedings of the National Academy of Sciences of the United States of America*, v. 102, p. 18502-18507, 2005.
- HUTYRA, L.; MUNGER, J.; NOBRE, C.A. ; SALESKA, S.; VIEIRA, S.A.; WOFSY, S. Climatic variance and vulnerability to drought in Amazônia. *Geophysical Research Letters*, v. 32, p. L24712, 2005.
- VIEIRA, S.A. et al. Forest structure and carbon dynamics in Amazonian tropical rain forests. *Oecologia, Heidelberg - Alemanha*, v. 140, n. 3, p. 468-79, 2004.
- NEPSTAD, D.C.; et al. The role of deep roots in the hydrological and carbon cycles of Amazonian forests and pastures. *Nature (London)*, v. 372, n. 6507, p. 666-669, 1994.
- - 40 peer reviewed publications
 - 5 book chapters

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* Please let me know if you need any original certificates from any information above.

** The complete CV is available at: <http://lattes.cnpq.br/3810088438992371>