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Education:

1984 B. Sc. (Biology), Universidade do Estado do Rio de Janeiro, Brazil .

1988 M. Sc. (Plant Physiology), Universidade Federal de Viçosa (Minas Gerais), Brazil

1993 Ph. D. (Geobotany), - Universität Trier, Germany

Positions Held:

1993-1994 Department of Botany, Universidade de Brasília - Visiting Professor

1994-present Department of Ecology, Universidade de Brasília - Associate Professor

Other Activities:

1998-2000 – Coordinator of the Graduate Program in Ecology of University of Brasilia

2001-2002– Coordinator of the Training and Education Committee of the large scale experiment Biosphere-Atmosphere in the Amazonia (LBA)

2002–2013 – Member of Scientific Steering Committee of the large scale experiment Biosphere-Atmosphere in the Amazonia (LBA)

2005 –2013 – Chair of Scientific Steering Committee of the large scale experiment Biosphere-Atmosphere in the Amazonia (LBA)

2005–2011– Member of the Committee of evaluation of graduate programs in Ecology of the Brazilian Ministry of Education

2007–2012 – Member of Scientific Steering Committee of the International Biosphere-Geosphere Program (IGBP)

2009–2012 – Chair of the Scientific Committee of the Research Network for Conservation and Sustainable Use of the Cerrado (Rede ComCerrado) – Brazilian Ministry of Science and Technology

2009 –2013 – Representative of Latin America in the International Nitrogen Initiative

2014 – Coordinating lead author on the IPCC: Working group III, Mitigation of climate change, Agriculture, Forestry and Other Land Uses (AFOLU)

Total number of publication in scientific journals = 21

Total number of book chapters = 6

Selected Publications

Keller, M., Bustamante, M., Gash, J., Dias, P.S. 2009. *Amazonia and Global Change*. American Geophysical Union, Washington, DC

Markewitz, D., Resende, J.C.F., Parron, L. Bustamante, M., Klink, C.A., Figueiredo, R. and Davidson, E.A. 2006. Dissolved rainfall inputs and streamwater outputs in an undisturbed watershed on highly weathered soils in the Brazilian cerrado. *Hydrological Processes* 20: 2615-2639.

Bustamante, M.M.C, M. Corbeels, E. Scopel, and R. Roscoe. 2006. Soil Carbon Sequestration Potential in the Cerrado Region of Brazil. In: Lal, R., C.C. Cerri, M. Bernoux and J. Etchevers (eds). *Carbon Sequestration in Soils of Latin America*. The Haworth Press.

Bustamante, M.M.C.; E. Medina, G.P Asner, G.B. Nardoto, D.C Garcia-Montiel. 2006. Nitrogen cycling in tropical and temperate savannas. *Biogeochemistry*, 79:209-237.

Pinto, A.S.; M.M.C. Bustamante, M.R.S.S. Silva, K. Kisselle, M. Brossard, R. Kruger, R. Zepp, R. Burke. 2006. Effects of different treatments of pasture restoration on soil trace gas emissions in the Cerrados of Central Brazil. *Earth Interactions*, v. 10, n. 1, p 1-26,

Nardoto, G.B., M.M.C. Bustamante, A.S. Pinto, C.A. Klink. Nutrient use efficiency at ecosystem and species level in savanna areas of Central Brazil and impacts of fire. 2006. *Journal of Tropical Ecology*, v. 22, n. 2, p. 191-201.

Olander, L.O., M.C.C. Bustamante, G.P. Asner, E. Telles, and Z.A. do Prado. 2005. Surface soil changes following selective logging in an Eastern Amazon forest. *Earth Interactions* 9(4):1-19.

Asner, G.P., D.E. Knapp, A.N. Cooper, M.C.C. Bustamante, and L.O. Olander. 2005. Ecosystem structure throughout the Brazilian Amazon from Landsat data and spectral unmixing. *Earth Interactions* 9(7):1-31.

Franco, A.C., Bustamante, M., Caldas, L.S., Goldstein, G., Meinzer, F.C., Kozovits, A.R., Rundel, R., Coradin, V.T.R. 2005. Leaf functional traits of neotropical savanna trees in

relation to seasonal water deficit. *Trees* 19: 326-335.

Varella, R. F., Bustamante, M.M.C, Pinto, A.S., Kisselle, K. W., Santos, R.V., Burke, R., Zepp, R., Viana, L.T. 2004. Soil fluxes of CO₂, CO, NO and N₂O from an active oldpasture and from native savanna in Central Brazil. *Ecological Applications* 14(4): S221-S231.

Bustamante, M.M.C., Martinelli, L.A., Silva, D.A., Camargo, P.B., Klink, C.A., Domingues, T.F., Santos, R.V. 2004. ¹⁵N natural abundance in woody plants and soils of the savannas in Central Brazil (Cerrado). *Ecological Applications* 14(4): S200-S213.