

BEATRIZ M. FUNATSU**Curriculum Vitae - May 2017**

- POSITION** **Chargé de Recherche CNRS**
- AFFILIATION** **CNRS, Université de Nantes, LETG UMR 6554**
- ADDRESS** Université de Nantes
Institut de Géographie et d'Aménagement
Chemin de la Censive du Tertre BP 81227
44312 NANTES cedex 3
- RESEARCH DOMAIN : ATMOSPHERIC SCIENCES**
- Climate and land use changes in the Amazon
 - Mediterranean Storms
 - Stratospheric climate and variability
 - Tropics-extratropics interactions
- EDUCATION**
- July 2005: **PhD, Earth and Planetary Sciences**: "Stratospheric intrusions and transient convection in the tropical eastern Pacific". The Johns Hopkins University, Baltimore, MD, USA.
 - March 1999: **MSc., Meteorology**: "Estudo sinóptico-dinâmico de ciclogênese utilizando vortacidade potencial". Instituto Nacional de Pesquisas Espaciais (INPE), Sao José dos Campos, SP, Brazil
 - January 1993: **BSc., Meteorology**, Instituto Astronômico e Geofísico, Universidade de São Paulo, São Paulo, SP, Brazil
- POST-DOCTORAL POSITIONS**
- October 2012 - September 2013 : Laboratoire de Météorologie Dynamique-IPSL/CNRS, Ecole Polytechnique, Palaiseau, France
 - April 2010 - July 2012: LATMOS -IPSL/OVSQ, France
 - September 2009-March 2010: Laboratoire COSTEL (Climat et Occupation du Sol par TELédétection), Université de Haute Bretagne, Rennes, France (Grant of the Ecole Doctorale Université Rennes 2)
 - October 2005- March 2009: Laboratoire de Météorologie Dynamique-IPSL/CNRS, Ecole Polytechnique, Palaiseau, France
- TEACHING ACTIVITIES**
- I participated in the mentoring of Master level students at LMD / Ecole Polytechnique in 2007 and 2011. I also participate in thesis monitoring committees (doctorate) at the Université Rennes 2. I mentored a masters student at Université Rennes 2 in 2016.
- I was a teaching assistant at the Johns Hopkins University Dept. of Earth and Planetary Sciences for the courses (~ 100 hours each) "The Planet Earth" (09-12-2003) and "Guided tour of the planets" (01-05 / 2005).
- OTHER ACTIVITIES**
- Participation in the organization of the HyMex International Symposium (2008), Ecole Polytechnique, Palaiseau, the 23rd Colloquium of the International Association of Climatology (2010), Université Rennes 2, Rennes and member of the organizing committee of the Colloquium "Envibras 2014: Environnement et géomatique: approches comparées France - Brésil "(2014), Université Rennes 2, Rennes.

**OTHER
ACTIVITIES**

- October 1995 - January 1997: Researcher in the project "Estimation of solar radiation incident in Brazil from METEOSAT-5 and GOES-8 images", INPE, São José dos Campos, SP. Supervisors: Dr. Antônio Ocimar Manzi and Dr. Eduardo Bastos.
- August 1994 - March 1995: International training in the Climatology, Weather Forecasting, Marine Meteorology and Oceanography Divisions, at Nagasaki Marine Observatory (Japan Meteorological Agency, JAM), in Nagasaki, Japan.
- January 1993 - June 1994: Weather forecast meteorologist at the Meteorological Research Institute (IPMet), Bauru, SP.
- Field work within the "International Pantanal Experiment" project (IPE-0), Passo do Lontra, MS, 28/09- 06/10/1996.
- Services to the scientific community: Reviewer for the Journal of Climate, Atmospheric Science Letters, Journal of Geophysical Research, Journal of Applied Meteorology and Climatology, Journal of Atmospheric and Solar-Terrestrial Physics, Atmospheric Research, Annales Geophysicae, Atmosphere, Remote Sensing, and Revista Brasileira de Meteorologia

PUBLICATIONS

25 peer-reviewed publications in international scientific journals.

5 selected publications:

- Debortoli, N.S., V. Dubreuil, **B. Funatsu**, F. Delahaye, C.H. de Oliveira, S. Rodrigues-Filho, et al., 2015: Rainfall patterns in the Southern Amazon: A chronological perspective (1971–2010), *Climatic Change*, 132:251-264, doi:10.1007/s10584-015-1415-1.
- Arvor, D., V. Dubreuil, J. Ronchail, M. Simoes, **B. Funatsu**, 2014: Spatial patterns of rainfall regimes related to levels of double cropping agriculture systems in Mato Grosso (Brazil), *Int. J. Climatol.*, 34: 2622–2633, DOI: 10.1002/joc.386.
- **Funatsu, B.M.**, V. Dubreuil, C. Claud, D. Arvor, M.A. B.M. Funatsu Gan, 2012: Convective activity in Mato Grosso state (Brazil) from microwave satellite observations: Comparisons between AMSU and TRMM datasets, *J. Geophys. Res.*, 117, D16109, doi:10.1029/2011JD017259.
- Dubreuil, V., N. Debortoli, **B.M. Funatsu**, V. Nedelec, and L. Durieux, 2012: Impact of land-cover change in the Southern Amazonia Climate: A case study for the region of Alta Floresta, Mato Grosso, Brazil, *Environmental Monitoring and Assessment*, 184, 877-891, DOI:10.1007/s10661-011-2006-x.
- **Funatsu, B.M.**, M.A. Gan, and E. S. Caetano Neto, 2004: A case study of orographic cyclogenesis over South America, *Atmosfera*, 17, 91-113.