Edgardo M. Latrubesse

EDUCATION

- National University of San Luis, Argentina, BSc. in Geological Sciences, 1989.
- National University of San Luis, Argentina, PhD. in Geological Sciences, 1992 (max. qualifications/honors). Thesis**:** The Quaternary fluvial record of the Purus River basin, Acre State, Amazon basin, Brazil. Advisor: Dr. Martín Iriondo, CONICET, Argentina (vice-president of INQUA-International Union for Quaternary Research, 1995-1999).

FIELDS OF RESEARCH AND PROFESSIONAL INTEREST

Geomorphology, fluvial geomorphology and sedimentology, river management, Quaternary studies of tropical, sub-tropical and temperate/semiarid environments including large aeolian systems and fluvio-aeolian interactions, geo-ecology, geomorphology and global changes, theoretical geomorphology, reorganization of large fluvial systems during the Neogene in response to the Andean tectonic, environmental approaches focusing the interaction between biotic and abiotic components and human impacts on physical geomorphic processes, natural hazards.

PROFESSIONAL APPOINTMENTS

Current

Professor, The University of Texas at Austin, Department of Geography and the Environment.

Affiliate Faculty of LLILAS - Teresa Lozano Long Institute of Latin- American Studies-The University of Texas at Austin.

Affiliate Faculty of the Environmental Sciences Institute, The University of Texas at Austin.

Prior Employment

2009-2013- Associate Professor, The University of Texas at Austin, Department of Geography and the Environment.

2008-2009 - Thomas W. Rivers Distinguished Visiting Professor in International Affairs, Department of Geological Sciences, East Carolina University-ECU, Greenville, NC, USA.

2007-2009 - Director/Chair, Laboratory of Tritium and Radiocarbon-LATYR- CIG-CONICET-National Council of Research and Universidad Nacional de La Plata and researcher of CONICET, National Council of Research, Argentina.

2006-2009 - Profesor, Universidad Nacional de La Plata, Argentina, Centro de Investigaciones Geológicas-CIG, La Plata, (Bs. As)-Argentina and researcher of CONICET, National Council of Research, Argentina.

2002-2006 - Scientific and administrative responsible for the collaboration program between University of Modena-Italy and Federal University of Goias-Brazil.

2001-2003 - Vice-Head and Co-Founder, Ph.D. Multidisciplinary program in Environmental Sciences, Federal University of Goias, Brazil.

1998-2006 - Federal University of Goias, Associate Professor, Institute of Social and Environmental Sciences, Department of Geography (Master and undergraduate courses), and PhD multidisciplinary Course in Environmental Sciences, Brazil.

1998-2006 - Head and Founder, Laboratory of Geology and Physical Geography-LABOGEF, Federal University of Goias, Brazil.

1994-1998 - Head and Founder, Laboratory of Geomorphology and Sedimentology, Federal University of Acre, Brazil

1994-1998 - Contracted Foreign Professor, Federal University of Acre, Department of Geography, Rio Branco, Brazil.

1991-1993 - Contracted Foreign Professor, Federal University of Amazonas, Department of Geography, Manaus, Brazil.

1986-1990 - Teaching Assistant, Department of Geological Sciences, National University of San Luis, Argentina.

FIELD WORK (WITH PUBLISHED DATA)

USA, Argentina, Brazil, Bolivia, Paraguay, Guyana, Perú, Colombia and Venezuela.

LANGUAGES

Fluent in English, Spanish, Portuguese and Italian.

PUBLICATIONS

Edited Books – Journals

Forthcoming

Abad, J., **Latrubesse, E**., Lanzoni, S. (Guest Editors) (2013, special issue accepted, contract provided). Fluvial morphodynamics and channels patterns, *Earth Surface Processes and Landforms.*

Latrubesse, E. *The Physical Nature of the Amazon Basin: Quaternary history, geomorphology, hydrology and related environmental aspects*. Elsevier, UK (book, approved for edition by Elsevier, contract provided, in preparation).

Published

1. **Latrubesse, E.,** Wilkinson, J.., Abad, J. (Guest Editors) (2014). Large rivers and megafans. *Sedimentary Geology*, 30 (9-184)

2. **Latrubesse, E**., Stevaux, J.C. and Young, K. (Guest Editors). (2013). Abiotic controls in South American Riverine wetlands. *Journal of South American Earth Sciences*, 46, 110-198.

3. Sinha, R., **Latrubesse, E.** and Nanson, G. (Guest Editors). (2012). The Quaternary of tropical and subtropical rivers. *Palaeogeography, Palaeoclimatology Palaeoecology*, 356-357, 108p.
4. **Latrubesse, E.** (2010) *Natural Hazards and Human-Exacerbated Disasters in Latin America*, Elsevier, UK, 510p.
5. Vionnet C., Garcia, M., **Latrubesse, E**., Perillo G. (2010). *RCEM 2009 River Coastal and Estuarine Morphodynamics, Vol. 1 and 2*., CRC Press-Taylor Francis Group, Netherlands, 1079p
6. Stevaux, J.C. and **Latrubesse, E.** (Guest Editors), (2010) Ambientes Fluviais, *Revista Brasileira de Geociências* 41(4).
7. **Latrubesse, E.**, Chen Z. and Stevaux, J.C. (Guest Editors) (2009). Short and long term processes, landforms and responses in large rivers, *Geomorphology*, Vol 113, Issues 3-4, 127-252.
8. **Latrubesse, E**. and Stevaux. (Guest Editors), (2009). Hydro-geomorphology, sediment transport and human impacts in large South American rivers. *Latin American Journal of Sedimentology and Basin analysis*, 16 (2), 77-131.
9. **Latrubesse, E.** (Guest Editor) (2006). Tropical Geomorphology with emphasis on South America, *Zeitschrift fur Geomorphologie*, 145, 241p.
10. Latrubesse, E. and Stevaux, J. 2006. Abiotic controls on Wetlands. *Geociencias*-UnG, São Paulo.
11. **Latrubesse, E.**, and Carvalho, T. (2006). *Geomorfología do Estado de Goiás*. Superintendencia de Geología e Mineracão do Estado de Goiás, 143p., Goiânia, Brasil.
12. **Latrubesse, E.** Stevaux, J.C., Sinha, R. (Guest Editors). (2005). Tropical Rivers, *Geomorphology*, 70, 219p.
13. Stevaux, J. and **Latrubesse, E.** (Guest Editors). (2005). Geomorfologia Fluvial. *Revista Brasileira de Geomorfologia* 6(1)147p.
14. **Latrubesse E. M.** and Stevaux, J.C. (Editors). (2003) *International field conference AMAZON 2003- GLOCOPH-IGCP449*, Field Guide. CEGRAF, Federal University of Goias, 64p.
15. Mossa, J., **Latrubesse, E.** and Gupta, A. (Guest Editors.).(2002). South and Central American Rivers. *Zeitschrift fur Geomorphologie,* 129, 140p.
16. **Latrubesse, E.** and Stevaux, J. (Guest Editors) (2000). Paleohydrology of South America, *Quaternary International*. Vol. 72, v. 1, 114 p.
17. **Latrubesse, E.** (Editor). (1999). Geomorphology and Paleohydrology of Large Rivers-*Boletim Goiano de Geografia*. 19. ed. Goiania: UFG-Cegraf, v. 1, 165 p.
18. **Latrubesse, E.** (Editor). (1996). *Paleo and Neoclimates of Southwestern Amazonia IGPC 341/UNESCO Project: Southern Hemisphere Paleo And Neoclimates*. Rio Branco: Universidade Federal do Acre-UFAC, 89 p.
19. Franzinelli, E. and **Latrubesse, E.** (Eds.) (1993). *International Symposium on the Quaternary of the Amazon.* Meeting IGPC-281/UNESCO – Abstracts and Scientific Contributions. Manaus,185 p.

Papers in peer review journals

Forthcoming

Latrubesse, E. (in preparation-invited paper). Anabranching patterns in large rivers: state of the art and clues from the tropics. *Geomorphology*

Latrubesse, E. Ramonell, C. (in preparation). A floodplain evolution model for a megariver: the Parana River, Argentina. *Geomorphology.*

Latrubese, E. (in preparation). The Late Quaternary Paleohydrology of the Amazon basin. *Quaternary Science Reviews*.

Submitted

1. **Latrubesse, E.** (submitted) Quaternary megafans, large rivers and other avulsive fluvial systems: a potential "who is who" in the geological record. *Earth Science Reviews*.
2. Knox, R. and **Latrubesse, E,** (submitted). A geomorphologic approach to bed load and bed morphology in a reach of the lower Mississippi River near the Old River Control Structure, *Earth surface Processes and Landforms*

Published

1. **Latrubesse, E.** and Restrepo, J. (2014). The Role of Andean Rivers on global sediment yield. *Geomorphology*.
2. Park, E. and **Latrubesse, E**. (2014) A multi-temporal MODIS based platform to analyze suspended sediment distribution patterns in the Amazon River *Remote Sensing of Environment*
3. D'Apolito, C., Absy, M. L., **Latrubesse, E**. (2013). Six Lakes (Pata) revisited: new light on a key palaeobotanical archive and the Last Glacial in the Amazon. *Quaternary Science Reviews*, 74, 140-155.
4. **Latrubesse, E**., Stevaux, J.C., Young, K., (2013).Hydro-geomorphologic processes and Quaternary landforms controlling biotic components in South American wetlands: Introduction. *Journal of South American Earth Sciences*, 46, 110-112.
5. Montero, J.C., **Latrubesse, E. (**2013). The igapó of the Negro River in central Amazonia: linking late-successional inundation forest with fluvial geomorphology. *Journal of South American Earth Sciences,* 46,137-149.
6. Marchetti, Z., Pereira, S**., Latrubesse, E.,** Ramonell, C.G**. (**2013). Distribution and Seasonal dynamics of vegetation and their relationship with the geomorphology of the Paraná River floodplain, Argentina**.** *Journal of South American Earth Sciences, 46,* 122-136.
7. Valente, C., **Latrubesse, E**., Ferreira. L. (2013). Relationships among vegetation, geomorphology and hydrology in the tropical wetlands region of Central Brazil: the Bananal Island. *Journal of South American Earth Sciences*, 46, 150-160
8. Filizola,N., **Latrubesse, E**., Fraizy, P., Souza R., Guimarães V., Guyot, J.L. (2013). Was the 2009 flood the most hazardous or the largest ever recorded in the Amazon? *Geomorphology*. p://dx.doi.org/10.1016/j.geomorph.2013.05.028

9. Ferreira, M., Ferreira, L., **Latrubesse,** E., Miziara, F. and Soares Filho, B. (2012). Current land use and conversion trends in the savanna environments of central Brazil: an assessment from a geomorphology perspective. *Journal of Land Use Science*. **DOI:**10.1080/1747423X.2012.675363

10. Sinha, R. **Latrubesse, E**., Nanson, G. (2012) Quaternary fluvial systems of tropics: major issues and status of research. *Paleogeography, Palaeoclimatology Palaeoecology*. 356-357, 1-15.

11. **Latrubesse, E.**, Stevaux, J.C., Cremon, S., May J, Tatumi, M Hurtado, M., Argollo, J., Bezada, M. (2012). Late Quaternary megafans, fans and fluvio-aeolian interactions in the Bolivian Chaco, Tropical South America. *Paleogeography, Palaeoclimatology Palaeoecology*. 356-357, 75-88

12. Valente, C. and **Latrubesse, E**. (2012). Fluvial archive of peculiar avulsive fluvial patterns in the largest intracratonic basin of tropical South America: the Bananal basin, Central Brazil. *Paleogeography, Palaeoclimatology Palaeoecology*. 356-357, 62-74.

13. Coe, M., **Latrubesse, E**., Ferreira, M., Amsler, M. (2011). Transformation of the Araguaia River, Brazil by deforestation and the implications for large tropical rivers. *Biogeochemistry* 105:119–131

14. **Latrubesse, E**., Cozzuol, M., Rigsby, C., Silva, S., Absy, M.L., Jaramillo, C. (2010). The Late Miocene paleogeography of the Amazon basin and the evolution of the Amazon River. *Earth Science Reviews*, 99, 99-124.

15. **Latrubesse, E.** and Stevaux, J.C. (2010). Hydro-geomorphology, sediment transport and human impacts in large South American rivers. Preface. *Latin American Journal of Sedimentology and Basin Analysis*, 16 (2), 77-78.

16. **Latrubesse E.**, Amsler, M., Morais, R., Aquino, S. (2009). The Geomorphologic response of a large pristine alluvial river to tremendous deforestation in the South American tropics: the case of the Araguaia River. *Geomorphology*, 113, 239-252.

17. Aquino, S., **Latrubesse, E.**, Bayer, M. (2009). Assessment of wash load transport in the Araguaia River (Aruana gauge station), Central Brazil. *Latin American Journal of Sedimentology and Basin Analysis*, 16 (2), 119-128.

18. Aquino, S., **Latrubesse, E.**, Souza Filho, E. (2009). Caracterização hidrológica e geomorfológica dos afluentes da bacia do Rio Araguaia, Brasil. *Revista Brasileira de Geomorfologia*.V10 (1), 43-54.

19. **Latrubesse, E.** (2008). Patterns of Anabranching channels: the ultimate end-member adjustments of mega-rivers. *Geomorphology*, 101, 130-145.

20. Morais, R.P.**, Latrubesse, E.**, Aquino, S. (2008). Controles hidrogeomorfológicos nas unidades vegetaçionais da planície aluvial do rio Araguaia, Brasil. *Acta Scientiarum*, V.30, n4,411-421.

21. Ferreira, M.E., Ferreira, L.G., **Latrubesse, E.**, Miziara, F. (2008). High Resolution Remote Sensing based Quantification of the Remnant Vegetation Cover in the Araguaia River Basin, Central Brazil. Geoscience and Remote Sensing Symposium, 2008. *IGARSS 2008.* IEEE International Vol. 4, 739 - 741 Digital Object Identifier:10.1109/IGARSS.2008.4779828

22. Aquino, S., **Latrubesse, E.** ,Souza-Filho, E. (2008). Relações entre o regime hidrológico e os ecossistemas aquáticos da planície aluvial do Rio Araguaia. *Acta Scientiarum*, V.30, n4, 361-369

23. **Latrubesse, E.**, Silva, S.A. Cozzuol, M. Absy, M.L. (2007) Late Miocene continental sedimentation in southwestern Amazônia and its regional significance: biotic and geological evidences. *Journal of South American Earth Sciences*, 23 (1) 61-80.

24. **Latrubesse, E.** (2006). La red Cabah XIIK-Cyted-CNPq Controles abioticos de la vegetación en areas de humedales: comparación y diagnostico de la aplicación de metodos y tecnicas de espacializacion y monitoreamiento de unidades vegetacionales. *Geociências-UNG*, 7-14.

25. **Latrubesse, E.** and Stevaux, J.C. (2006). Características fisico-bióticas e problemas ambientais asociados à planicie aluvial do Rio Araguaia, Brasil central. *Geociências-UNG*, 67-75

26. **Latrubesse E.** and Franzinelli, E. (2005). The late Quaternary evolution of the Negro River, Amazon, Brazil: implications for island and floodplain formation in large anabranching tropical systems. *Geomorphology*, 70; 372-397.

27. **Aquino, S**. and Latrubesse, E. (2005). Regime Hidrológico e aspectos do comportamento morfo-hidráulicos do Rio Araguaia, Brasil. *Revista Brasileira de Geomorfologia*, 7 (1), 99-111.

28. Morais, R.P., Oliveira, L.G., **Latrubesse, E**., Pinheiros, R. (2005) Morfometria de sistemas lacustres da planície aluvial do médio rio Araguaia. *Acta Scientiarium* 27 (3), 203-213.

29. **Latrubesse, E.**, Stevaux, J.C., Sinha, R. (2005). Tropical Rivers. *Geomorphology*, 70, 137-206.

30. **Latrubesse, E.,** Stevaux, J.C., Sinha, R. (2005). Grandes sistemas fluviais tropicais: uma visão geral. *Revista Brasileira de Geomorfologia* 6 (1), 1-18.

31. Carvalho, T. and **Latrubesse, E.** (2004). Mega-geomorfologia aplicada a estudos de grandes bacias fluviais: o caso do Rio Araguaia, Brasil. *Revista Brasileira de Geomorfologia*, 5(1), 165-173.

32. **Latrubesse, E.** (2002). Evidence of Quaternary paleohydrological changes in middle Amazonia: the Aripuanã/Roosevelt and Jiparana fans like systems. *Zeitschrift Fur Geomorphologie*, v. 129, p. 61-72.

33. **Latrubesse, E.** and Stevaux, J. (2002). Geomorphology and Environmental aspects of the Araguaia fluvial basin, Brazil. *Zeitschrift Fur Geomorphologie*, v. 129, p.109-127.

34. **Latrubesse, E**. and Kalicki, T. (2002). Late Quaternary Paleohydrology of the Purus river, Amazon, Brazil. *Zeitschrift Fur Geomorphologie*, v. 129, p. 41-59.

35. **Latrubesse, E.,** Cantú, M., Hurtado, M., Morais, R.P., Ferman, J. L., Fabbri, A., Recatalá, Techi, R. (2002). O Projeto RELESA/ELANEM: Uma nova proposta metodológica de índices e indicadores para a avaliação da qualidade ambiental. *Revista Brasileira de Geomorfologia*, Rio de Janeiro, p. 1-16.

36. **Latrubesse, E.** and Franzinelli, E. (2002). The Holocene alluvial plain of the Middle Amazon River, Brazil. *Geomorphology*, v. 44, n. 3-4, p. 241-257.

37. **Latrubesse, E.** and Nelson, B. (2000) Evidence for Late Quaternary Aeolian Activity in the Roraima-Guyana Region. *Catena*, v. 43, p. 63-80.

38. **Latrubesse, E.**, Rossi, A., Franzinelli, E. (2000) Geomorphology of the Pacaas Novos Range, South Western Amazonia, Brazil. *Revista Brasileira de Geociências*, v. 30, n. 3, p. 513-517.

39. **Latrubesse, E.** and Ranzi, A. (2000) Neotectonic influence on tropical rivers of southwestern Amazon during the late Quaternary: the Moa and Ipixuna river basins, Brazil. *Quaternary International*, v. 72, n. 1, p. 67-72.

40. **Latrubesse, E**. and Stevaux, J.C. (2000) Preface-Quaternary Paleohydrology of South America. *Quaternary International* v. 72, n. 1, p. 1-1.

41. **Latrubesse, E.** and Stevaux, J.(1999). The Araguaia-Tocantins fluvial basin. *Boletim Goiano de Geografia*, v. 19, n. 1, p. 120-127.

42. **Latrubesse, E.** (1999). The Bananal Island Area. *Boletim Goiano de Geografia*, v. 19,n. 1, p. 120-127.

43. **Latrubesse, E.** and Stevaux, J. (1999). The Cocalinho Area. *Boletim Goiano de Geografia*, v. 19, n. 1, p. 148-151.

44. **Latrubesse, E.** and Aquino, S. (1998). Geometria Hidráulica em Rios da Amazônia Sul-Ocidental. *Geosul*, v. 14, n. 27, p. 610-613.

45. **Latrubesse, E.** and Aquino, S. (1998). Rios da Amazônia Sul-Ocidental: Podem Ser Classificados Segundo a Aplicação de Equações e/ou Variáveis Tradicionalmente Utilizadas na Geomorfologia Fluvial? *Geosul*, v.14, n.27, p.678-681.

46. **Latrubesse, E.,** Rodrigues, S., Mamede, L.(1998) Sistema de Classificaçao e Mapeamento Geomorfologico: Uma Nova Proposta. *Geosul*. v. 14, n. 27, p. 682-687.

47. **Latrubesse, E**. and Rancy, A. (1998). The late Quaternary of the Upper Jurua River, Amazonia, Brazil. *Quaternary of South America and Antartic Peninsula*, v. 11, p. 27-46, 1998.

48. **Latrubesse, E.,** Bocquentin, J. C., Santos, J., Ramonell, C. (1997). Paleoenvironmental Model for the Late Cenozoic of Southwestern Amazonia: Paleontology and Geology. *Acta Amazonica*, v. 27, n. 2, p. 103-118.

49. Lima, M. S., Rancy, A., **Latrubesse, E.** (1996). Caracteristicas Gerais dos Movimentos de Massa na Cidade de Rio Branco - Acre. *Sociedade e Natureza*, v. 15, p. 114-117.

50. **Latrubesse, E.** and Aquino, S. (1996). Hidrologia e Clima da Bacia do Rio Acre: Um Rio da Amazonia Sul Ocidental Brasileira. *Sociedade e Natureza*, v. 15, p. 378-383.

51. Iriondo, M. and **Latrubesse, E.** (1994). A Probable Scenario for a Dry Climate in Central Amazonia During the Late Quaternary. *Quaternary International*, v. 21, p. 121-128.

52. **Latrubesse, E**. and Ramonell, C. (1994) Climatic Model for Southwestern Amazonia at Last Glacial Times. *Quaternary International*, v. 21, p. 163-169.

53. Franzinelli, E., **Latrubesse, E**. (1993). Neotectonics in the Central Part of the Amazon Basin. INQUA – *Neotectonic Bulletin*, v. 16, p. 10-13.

54. **Latrubesse, E.** and Franzinelli, E. (1993). Reconstrução das Condições Hidrológicas do Passado. *Ciencia Hoje*, v. 16, n. 93, p. 40-43.

55. Ramonell, C. and **Latrubesse, E.** (1992). Pedimentos y Glacis Terminologia y Aspectos Geneticos. *Boletín de la Sociedad Geológica Boliviana*, v. 26, p.3-12.

Peer-reviewed Book Chapters

Forthcoming

1. **Latrubesse, E.** and Ramonell, C. G. The Parana River floodplain. (in preparation-invited chapter). *Geomorphological Landscapes of the World*- Regional Series- Landscapes of Argentina. (Rabassa, J., Editor), Springer

Published

2. **Latrubesse, E.** and Stevaux, J.C. (2014, in press). The complex fluvial archipelagos of the Negro river and the Amazon Igapo forest (accepted). *Geomorphological Landscapes of the World*- Regional Series- Landscapes of Brazil (Vieira, B. and Salgado, A., Eds.), Springer.
3. **Latrubesse, E.** (2012). Amazon Lakes. In *Lakes and Reservoirs*. Bengtsson, L., Herschy,R. and Fairbridge, R. (Eds). Springer Verlag, 13-26.
4. Cafaro, E., **Latrubesse, E.**, Ramonell. C., Montagnini. M.D. (2010). Channel pattern arrangement along Quaternary fans and mega-fans of the Chaco plain, central South America. In: C. Garcia, M., Latrubesse, E., Perillo G. (Eds). *RCEM 2009 River Coastal and Estuarine Morphodynamics*, Vol. 1 and 2., CRC Press-Taylor Francis Group, Netherlands, 1-349-354.
5. Fontes, L.C., **Latrubesse, E**., Holanda, F.S., Aquino, S. (2010). Major Hydrological Changes and Bank Erosion in the Lower São Francisco River, Brazil, as a consequence of dams. In: C. Garcia, M., Latrubesse, E., Perillo G. (Eds). *RCEM 2009 River Coastal and Estuarine Morphodynamics*, Vol. 1 and 2., CRC Press-Taylor Francis Group, Netherlands, 131-136.
6. **Latrubesse E.** and Brea, D. (2010). Floods in Argentina. In: E. Latrubesse, (Editor), *Geomorphology of Natural Hazards and Human Exacerbated Disasters in Latin America*, Elsevier, 333-349.
7. Stevaux, J.C. and **Latrubesse, E.** (2010). The Iguazu falls, Brazil-Argentina. In: P. Migon (editor). *Geomorphological Landscapes of the World*, Springer Verlag, 101-110p.
8. García, N.O., Ferreira, R. and **Latrubesse, E.** (2010). Climate and Geomorphologic disasters in Latin America In: E. Latrubesse, (Editor), *Geomorphology of Natural Hazards and Human Exacerbated Disasters in Latin America*, Elsevier, 1-26
9. **Latrubesse, E.** (2010) A Latin American perspective of geomorphologic disasters. In: E. Latrubesse, (Editor), *Geomorphology of Natural Hazards and Human Exacerbated Disasters in Latin America*, Elsevier, 445-448.
10. Stevaux, J.C. **Latrubesse, E.,** Aquino, S. and Hermann, L. (2010) Urban Floods in Brazil. In: E. Latrubesse, (Editor), *Geomorphology of Natural Hazards and Human Exacerbated Disasters in Latin America*, Elsevier, 245-266.
11. **Latrubesse, E.,** Baker, P and Argollo J. (2010). Geomorphology of Natural Hazards and human induced disasters in Bolivia. In: E. Latrubesse, (Editor), *Geomorphology of Natural Hazards and Human Exacerbated Disasters in Latin America*, Elsevier, 181-193.
12. **Latrubesse, E**., Stevaux, J.C., Santos, M. and Assine, M. (2005). Grandes sistemas fluviais: Geologia, Geomorfologia e Paleohidrologia. Chapter 13 in: (Souza, C. Suguio,

K. and Oliveira, A eds.). *Quaternario do Brazi*l, ABEQUA-Brazilian Association for Quaternary Studies, 276-297

13. **Latrubesse, E.** (2003) The Late Quaternary paleohydrology of large South-American fluvial systems. In: Gregory, K; Benito, G. (Eds). *Palaeohydrology:understanding global change*. J. Wiley & Sons, 193-212.
14. **Latrubesse, E**., Aquino, S., Morais, M.J. (2001). Floods in the city of Rio Branco: an example of flood dynamic and the non-existence of urban and environmental policies in planning in Southwestern Amazonia, Brazil. In: Marchetti, M.; Rivas, V. (Eds.). *Geomorphology and Environment Impact Assesments* .Balkema, p163-175.
15. **Latrubesse, E.** (2000). The late Pleistocene in Amazonia: a Paleoclimatic Approach. In: Smolka, P; Volkheimer, W. (Eds.). *Southern Hemisphere Paleo and Neoclimates: Materials and Methods*. Springer Verlag, p. 209-224.
16. **Latrubesse, E.** and Franzinelli, E. (1998). Late Quaternary Alluvial Sedimentation in the Upper Rio Negro Basin, Amazonia, Brazil:Paleoclimatic Implications,Chapter 19. In: Benito, G; Gregory, K.;Baker,V. (Eds.). Paleohydrology and Environmental Change, J. Wiley & Sons., p. 259-271.
17. **Latrubesse, E. M.** and Franzinelli, E.(1996). Cambios Climaticos en Amazonia Durante el Pleistoceno Tardio-Holoceno. In: J.Argollo and Ph. Mourguiart (Eds.), *Climas Cuaternarios de America del Sur*. ORSTOM-UMSA, La Paz, 105- 119.

<u>Major Non-Referred Published Reports and annals contributions</u>

1. Latrubesse. E. and Stevaux, J.C. (2012). Field Guide. Iquitos 2012- IGCP 582-Unesco-Tropical Rivers, CREAR-Iquitos, 16p
2. Ramonell, C. G., Szupiani, **Latrubesse, E.,** Garcia, M.**.** Pereira, M.S. (2011). “Procesos de formación del Rio Paraná Medio, nuevos paradigmas para su estudio”. XVII Cong. Geol. Argentino, Actas (CD): 1247-1249. Neuquén.
3. Cafaro, E.D., **Latrubesse, E.,** Ramonell C.G. (2010). Estimación de la carga sedimentaria que aportan los Andes y sierras asociadas al Chaco argentino – paraguayo. XXIV Congreso Latinoamericano de Hidráulica, Punta del Este, Uruguay. 2 pp.
4. Pereira, M.S., Ramonell, C.G. **Latrubesse, E.,** Szupiany, R.N. (2010). Análisis de bancos sumergidos del río Paraná Medio a través de imágenes satelitales. XXIV Congreso Latinoamericano de Hidráulica, Punta del Este, Uruguay. 2 pp.
5. Ramonell, C. G., and **Latrubesse, E.** (2009). Recent geologic history and morphodynamics of the Paraná River. 1st. Meeting of the IGCP 582 & RCEM 2009, Paraná River Field Trip Guide, Santa Fe, Argentina. 20 pp.
6. Cafaro E.D., **Latrubesse, E.**, Ramonell, C.G.**,** Montagnini, M.D. (2009). Distribución espacial de patrones de cauce en abanicos aluviales chaqueños. IV Simposio Regional de Hidráulica de Ríos. Ciudad: Salta, Argentina.
7. **Latrubesse, E.** (2007). Hydro-geomorphologic perspectives of the Amazon floodplains. IBAMA-Provarzea Symposium on Geo-technologies , Manaus, Brazil, 8-15.
8. Aquino, S. and **Latrubesse, E.** (2007). Integrated Program of research of the Araguaia basin; application of geoscientific techniques and methods to assess the

environmental impact with emphasize in sediment transport. IBAMA-Provarzea Symposium on Geo-technologies, Manaus, Brazil, 1-8.

9. **Latrubesse, E.** and Aquino, S. (2006). The Araguaia River Field Trip: Geomorphology, Hydrology and Environmental Impacts, International Regional Conference on Geomorphology-International Association of Geomorphologists, UFG, Goiania, Brazil, 28p.

10. **Latrubesse E.** and Stevaux, J.C. (2003) Southwestern Amazonia. Field Conference Guide-Amazon 2003, CEGRAF, Goiania, 6-13.

11. **Latrubesse E.** and Stevaux, J.C. (2003). Solimões Formation. Field Conference Guide-Amazon 2003, CEGRAF, Goiania, 14-18.

12. **Latrubesse E.**, Stevaux, J.C., Rossi, (2003). A. The Pacaas novos. Field Conference Guide-Amazon 2003, CEGRAF, Goiania, 19-22.

13. **Latrubesse E.**, and Stevaux, J.C. (2003).The Madeira basin. Field Conference Guide-Amazon 2003, CEGRAF, Goiania, 23-35.

14. **Latrubesse E**., Stevaux, J.C, Aquino, S., Kalicki, T. (2003).The Purus River. Field Conference Guide-Amazon 2003, CEGRAF, Goiania, 36-45.

15. **Latrubesse E.** and Stevaux, J.C. The Acre River. (2003).Field Conference Guide-Amazon 2003, CEGRAF, Goiania, 46-50.

16. **Latrubesse, E.** and Aquino, S., Bayer, M. (2003). Rio Branco City: Geomorphological risks and environmental quality applying the ELANEM methodology. Field Conference Guide-Amazon 2003, CEGRAF, Goiania, 51-62.

17. Arruda, M., Diaz, A., **Latrubesse, E**., Galinkin, M (2000). Bananal-Araguaia Ecologic Corridor Project. IBAMA (National Institute for the Environment, Brazil), Brazilia-DF, 120p.

18. **Latrubesse, E**., Kromer. R., Ramonell, C.(1993). Procesos Morfogenéticos Actuales en la Provincia de San Luis, Argentina. In: V Simpósio de Geografia Física Aplicada - USP, São Paulo, Brazil.

19. **Latrubesse, E**., Kromer, R., Iriondo, M., Ramonell, C. (1992). Los climas del Cuaternario Superior en el Centro-Oeste de Argentina Registro de Ocho Estadios Climaticos. In: International Symposium on the Quaternary of the Amazon and IGCP/Unesco 281 meeting. Abstracts and Scientific Contributions. UFAM press. Manaus, Brazil, p. 146-150.

20. Ramonell, C. and **Latrubesse, E.** (1991). El Loess de la Formacion Barranquita; Comportamiento del Sistema Eolico Pampeano en la Provincia de San Luis, Argentina. In: 3rd Reunión IGCP-Unesco 281 Climas cuaternarios de América del Sur, Reúmenes y Contribuciones Científicas, ORSTOM, Lima, Perú, 68-81.

21. **Latrubesse, E.** and Ramonell, C. (1990). La Formacion Algarrobito Registro de la Pequeña Edad del Hielo en la Provincia de San Luis, Argentina. In: Proyecto IGCP - Unesco 281 Climas Cuaternarios de América del Sur. Publicación Especial N^0 2, Univ. EAFIT, Medellín, Colombia, 2-9.

22. Ramonell, C. and **Latrubesse, E**. (1990). Relaciones Clima-Relieve-Procesos y Asociaciones Geomorfológicas en la provincia. de San Luis, Argentina: presente y pasado. In: In: Proyecto IGCP -Unesco 281 Climas Cuaternarios de América del Sur. Publicación Especial N^0 2, Univ. EAFIT, Medellín, Colombia, 10-17.

23. **Latrubesse, E.**, Ramonell, C., Pessio, D. (1990). La Formación Las Chacras (pre-

pleistoceno superior) Depósitos pedemontanos de la Sierra Grande de San Luis. In: XI Congreso Geológico Argentino, Actas II, AGA, San Juan, 105-107.

24. **Latrubesse, E.** and Ramonell, C. (1990). Unidades Litoestratigráficas del Cuaternario en la provincia de San Luis, Argentina. In: XI Congreso Geológico Argentino, Actas II, AGA, San Juan, 109-112.

25. Aquino, S. and **Latrubesse, E.** (1996). "Hydrology and Climate in the Acre River Basin". *Abstract and Short papers, IGCP 341-Unesco*, Tarija, Bolivia, 6-7

Book Reviews

1. **Latrubesse, E.** (2010). Entorno Natural de 17 cidades da Colombia, by Michele Hermelin. Revista Brasileira de Geomorfologia 11, n.1, p.97-98.

Abstracts

Latrubesse, E. Quaternary megafans, large rivers and other avulsive systems: a potential "who is who" in the geological record, American Geophysical Union -AGU, San Francisco

Knox, R**., Latrubesse,** E. 2012. Recent Total Effective Discharge of the Lower Mississippi River below Old River Control, American Geophysical Union -AGU, San Francisco.

Park, E. **Latrubesse, E**. 2012. Mega-pattern analysis of suspended sediments distribution in the Amazon River using multi-temporal satellite imageries. American Geophysical Union AGU, San Francisco.

Lininger, K., **Latrubesse, E.** 2012. Analysis of floodplain storage and sedimentation in the middle Araguaia River, an anabranching system of central Brazil'. American Geophysical Union, AGU, San Francisco.

Bonthius, C., **Latrubesse, E.** 2012. Morphosedimentary dynamics of the Madeira River in Brazil. American Geophysical Union AGU, San Francisco.

Latrubesse, E. Aquino, S., Bayer, M. 2012. Araguaia Iquitos IGCP 582 Unesco-CREAR

Latrubesse, E., Pereira, S. Ramonell, C., Supyani, R. 20120. Triggering anabranching mechanisms in a large river: examples from the Parana River, Argentina. Iquitos, IGCP 582 Unesco-CREAR.

Pereira, S. Ramonell, C. **Latrubesse,** E. 2012. Sedimentología de islas del río Paraná medio en relación a geoformas y frecuencia de niveles hidrométricos. V CACYG, Rio Cuarto Argentina.

Latrubesse, E. M., Pereira, S., Ramonell, C. G., Szupiany R. N. (2012). Morphodynamics of an anabranching mega-river: the Paraná River, Argentina. AG- Association of American Geographers, New York.

Latrubesse, M., Pereira, S., Ramonell, C. G., Szupiany R. N. (2011) feedback of erosional-depositional processes generating anabranching patterns in a mega-river: the case of the Paraná River, Argentina. American Geophysical Union-AGU-Fall meeting San Francisco.

Latrubesse, E., Cafaro, E., Ramonell, C. G. (2011). The Chaco megafans: hydrogeomorphology of the largest coalescing megafans system in Earth. American Geophysical Union-AGU-Fall meeting San Francisco.

Latrubesse, E. (2011). Are large rivers in equilibrium? Answers from the tropics. International conference on the status of the World's Large Rivers, Vienna, Austria.

Latrubesse, E. Ramonell, C. (2011). The Late quaternary floodplain architecture and the recent morphodynamics of the middle Parana River, Argentina. 14th Latin American Congress, Medellin, Colombia

Latrubesse, E., (2011**)** The Late Miocene paleogeography of the Amazon Basin, the evolution of the Amazon River system and the non-existence of Lake Pebas. 14th Latin American Geological Congress, Medellin, Colombia

Pereira, S., **Latrubesse, E.,** Ramonell, C. (2011). Las islas del cauce principal del Río Paraná medio, Argentina**.** 14th Latin American Geological Congress, Medellin, Colombia

Latrubesse, E. (2010) the paradox of Large alluvial rivers . American Geophysical Union fall meeting, San Francisco, USA.

Rigsby, C. A., **Latrubesse, E. M**., Baker, P. A. (2010). Reexamining the late Cenozoic geologic evolution of the Amazon basin. American Geophysical Union AGU, San Francisco.

Ramonell, C.G., **Latrubesse, E.**, Cafaro, E.D. (2010). The mixed meandering-braided river channels of Argentina.18th International Sedimentological Congress, Mendoza, Argentina.

Ramonell, C.G. and **Latrubesse, E.** (2010). Late Quaternary sedimentary record and morphodynamics of the Middle Paraná River. 18th International Sedimentological Congress, Mendoza, Argentina.

Cafaro, E., **Latrubesse, E**. and Ramonell, C.G. (2010). Geomorphologic features of the Chaco alluvial fans and megafans. 18th International Sedimentological Congress, Mendoza, Argentina.

Pereira, M.S., Ramonell, C.G.**, Latrubesse, E.** (2010). Islands and sand bars in the Middle Paraná River. 18th International Sedimentological Congress, Mendoza, Argentina.

Tizuka,M., **Latrubesse, E**. and Kipnis, R. (2010) Geoarqueologia de sistemas fluviais tropicais: exemplos de aplicação para o Alto rio Madeira". 45º Congresso Brasileiro de Geologia (CBG), Belém – Pará, Brazil.

Pereira, M.S., Ramonell, C.G., **Latrubesse, E.** and Szupiany, R.N. (2010). Análisis de barras embrionarias sumergidas del río Paraná en su tramo Medio. Simposio sobre Morfogénesis e Gerenciamiento de Ambientes Fluviales - 45° Congr. Brasileiro de Geol. & 2nd Meet. IGCP 582, Belem, Brasil.

Ramonell, C.G. and **Latrubesse, E.** (2010). Interacciones pasado – presente en la morfodinámica actual del río Paraná. Simposio sobre Morfogénesis e Gerenciamiento de Ambientes Fluviales - 45° Congr. Brasileiro de Geol. & 2nd Meet. IGCP 582, Belem, Brasil.

Latrubesse, E. M., Cozzuol, M. A., Silva-Caminha, S. A., Rigsby, C. A., Asby, M. L., C. Jaramillo, 2010, The Late Miocene Paleogeography of the Amazon Basin and the

evolution of the Amazon River system. AGU Meeting of the Americas, Foz do Iguazu, Brazil.

Cafaro, E.D., **Latrubesse, E**. and Ramonell, C.G. (2010). Carga sedimentaria potencial aportada al Chaco argentino – paraguayo desde los Andes y sierras asociadas. Simposio sobre Morfogénesis e Gerenciamiento de Ambientes Fluviales - 45° Congr. Brasileiro de Geol. & 2nd Meet. IGCP 582, Belem, Brasil.

Pereira, M.S., Ramonell, C.G., **Latrubesse, E.** and Szupiany, R.N. (2010). Submerged sand bars in the Paraná River from satellite images. Eos Trans. AGU, 91(26), Meet. Am. Suppl. Foz de Iguazu, Brasil.

Ramonell, C.G. and **Latrubesse, E.M**. (2010). Past and present relationships in the morphodynamics of the Paraná River. Eos Trans. AGU, 91(26), Meet. Am. Suppl. Foz de Iguazu, Brasil.

Cafaro, E.D., Ramonell C.G., **Latrubesse, E.** (2010). The megafans of the Chaco: a review of their boundaries and fan areas. Eos Trans. AGU, 91(26), Meet. Am. Suppl. Foz de Iguazu, Brasil.

Latrubesse, E. (2009). Tropical rivers-IGCP 582- 1th IGCP-Unesco 582 and Symposium on Large South American Rivers, Brazilian and Argentinean Congress on Quaternary-ABEQUA-GAGC, La Plata Argentina.

Cafaro, E.D., **Latrubesse, E.** and Ramonell C.G. (2009)Análisis de la evolución morfológica de un tramo del Río Pilcomayo en su cuenca baja. IV Congreso Argentino de Geología y Geomorfología, XII Congresso da Associação Brasileira de Estudos do Quaternário y II Reunión sobre el Cuaternario de América del Sur, La Plata, Argentina.

Pereira, M.S., Ramonell, C.G. **Latrubesse, E.**, Cafaro, E.D (2009). Geomorfología y Sedimentología de islas simples y compuestas del Río Paraná en su tramo Medio. IV Congreso Argentino de Cuaternario y Geomorfología , XII Congresso da Assiciação Brasileira de Estudos do Quaternário y II Reunión sobre el Cuaternario de América del Sur, La Plata, Argentina.

Ferreira, M., Ferreira Jr, L.G., **Latrubesse, E.** 2008. High Resolution Remote Sensing Based Quantification of the remnant vegetation covers in the Araguaia River basin, Central Brazil. GARRS, USA.

Latrubesse, E. (2008). Patterns of Anabranching channels: the ultimate end-member adjustments of mega-rivers. Binghamton Symposium on Fluvial Geomorphology, Austin Texas, 2008.

Latrubesse, E. (2007). Anabranching patterns: the ultimate fluvial response of channel adjustments in large rivers. International workshop Morphodynamic in large lowland rivers, FICH/Argentina and NCESD-USA, Santa Fe, Argentina

Latrubesse, E. (2006). The Late Pleistocene paleoenvironments of the South American Tropics. GLOCOPH Symposium, Guarulhos, Brazil.

Latrubesse, E. (2006) Sediment/erosion budget for the Araguaia River of Central Brazil: an extreme case of fluvial response in a large alluvial river to accelerated deforestation in the tropics. LUCIFS Workshop -Land Use and Climate Impacts on Fluvial Systems during

the Period of Agriculture, Frankfurt, Germany

Morais, R., **Latrubesse, E**., Araújo, F**.** (2006) Abiotic controls on vegetation in the Araguaia alluvial plain, Central Brazil. International Regional Conference on Geomorphology-IAG, Goiania, Brazil.

Valente, C., **Latrubesse, E**., Ferreira, L. (2006). Relations among vegetation, geomorphology ad hydrology in the Bananal seasonal wetlands of central Brazil. International Regional Conference on Geomorphology-IAG, Goiania, Brazil.

Latrubesse, E. (2005).The geomorphologic response of the Araguaia River to tremendous deforestation rates in Central Brazil during the last decades. IAG-International Symposium on Geomorphology, Large Rivers session, Zaragoza, Spain.

Latrubesse, E. (2005) Anabranching patterns as the end member for the concept of channel continuum in large rivers. IAG-International Symposium on Geomorphology, Fluvial Geomorphology and Paleohydrology, Zaragoza, Spain.

Latrubesse, E. (2004). The Late-Pleistocene Palaeohydrology of Large South American Fluvial Systems. Meeting of the IGCP Project 449, Late Cenozoic fluvial deposits, Malaga, Spain.

Costa, K. G. and **Latrubesse, E.** (2003). Assessing Geomorphological Sites in a Large Alluvial System: The Study Case of the Araguaia River, Brazil. Abstracts-IAG–Regional Geomorphological Conference – México DF, v. 1, p. 156-156.

Aquino, S. and **Latrubesse, E.** (2003). Flow Regime and Flood Transmission of the Araguaia River, Brazil. Abstracts - IAG - Regional Geomorphological Conference - Mexico DF. v. 1, p. 28-28.

Latrubesse, E. (2003). The Late Quaternary Paleohydrology of Large South-American Fluvial Systems. Latin-American Congress of Sedimentology. Belém, Brazil, IAS - International Association of Sedimentology.

Latrubesse, E. (2002).Geomorphology and human induced Changes in the Araguaia fluvial system, Brazil. GLOCOPH meeting, Global Commission on continental Paleohydrology, Pune, India

Latrubesse, E., Stevaux, J.C. Bayer, M., Amsler. (2002) Geomorphology and Quaternary of the Araguaia River. International Meeting, GLOCOPH and IGCP 449 Project, University of Wollongong, Australia

Latrubesse, E. and Tristão, G. (2002). Características Geomorfológicas e Dinâmica Hidro/Sedimentar dos Sistemas da Interface Planície de Inundação/Canal no Rio Araguaia. IV Simpósio Nacional de Geomorfologia-UGB, São Luís,Maranhão,Brazil. v. I, p. 102-103.

Latrubesse, E. and Franzinelli, E. (2002). Holocene Sedimentation in the Negro River system, Amazonia, Brazil. XVI International Sedimentological Congress, Johanesburgo, South Africa. v. 1, p. 103.

Cendrero, A., **Latrubesse, E.**; Francés, E; Panizza, M; Fabbri, A; Recatalá, L; Fermán, J.L; Fischer, D; Quintana, C; Tecchi, R; Cantú, M; Hurtado, M., Cecioni, A. (2001)

Conceptual Background And Methodological Approach For Assessing And Monitoring Environmental Quality. III Reunión Nacional de Geología Ambiental y Ordenación del Territorio, I Reunión de Geología Ambiental y Ordenación del Territorio del área del MERCOSUR. Mar del Plata, Argentina, U.N.M.d.P, v. 1, p. 35-35.

Latrubesse, E. (2001) A planície aluvial do Meio Rio Amazonas. Simpósio Nacional de Geografia Física Aplicada. Recife, Brazil.

Tristão, G. and **Latrubesse, E**. (2001). Análise hidro-sedimentar dos sistemas lacustres da planicie aluvial do rio Araguaia. Simpósio Nacional de Geografía Física Aplicada. Recife, Brazil.

Morais, R. and **Latrubesse, E**. (2001) Dinâmica Evolutiva dos Processos de Erosão e Sedimentação no Canal do Rio Araguaia no trecho Barra de Garças (MT) e a Ilha do Bananal, no período da década de 60 e 90. VII Simpósio Nacional de Controle de Erosão. Goiânia, Brazil.

Bayer, M. and **Latrubesse, E.** (2001). Geomorfologia do Setor Medio do Rio Araguaia entre Registro do Araguaia e Cocalinho. Simpósio Nacional de Geografía Física Aplicada. Recife, Brazil.

Bayer, M., **Latrubesse, E.**, Stevaux, J.C. (2001) Quaternário do Setor Meio do Rio Araguaia entre Registro e Cocalinho-MT. Boletim de Resumos - Mudanças Globais e o Quaternário.: VII Congresso da ABEQUA, Mariluz – Imbé, Brazil.p. 279-280.

Latrubesse, E., Link, O. and Degiovanni, S. (2000). Geoindicadores Fluviais: alguma considerações metodológicas.II SINAGEO, simpósio Nacional de Geomorfologia, Campinas, Brazil.

Latrubesse, E. and Franzinelli, E.(2000). Late Quaternary Paleohydrology of the Negro River. GLOCOPH Proceedings, National Academy of Sciences of Russia, Moscow, Russia, p. 23-23.

Aquino, S., **Latrubesse, E.** and Stevaux, J. (2000). Morfo-Hidráulica do Rio Araguaia. III SINAGEO, simpósio Nacional de Geomorfología,Campinas, Brazil.

Latrubesse, E. and Stevaux, J. C. (2000). O Rio Araguaia-Tocantins: o seu reconhecimento entre os maiores rios do mundo. III SINAGEO, Simpósio Nacional de Geomorfología,Campinas, Brazil.

Latrubesse, E.; Cendrero, A., Francés, E; Panizza, M; Fabbri, A; Recatalá, L; Fermán, J.L; Fischer, D; Quintana, C; Tecchi, R; Cantú, M; Hurtado, M and Cecioni. A. (2000), Projeto RELESA: uma rede Euro-Latinoamericana de avaliação e vigiláncia ambiental. III SINAGEO, Simpósio Nacional de Geomorfología,Campinas, Brazil

Latrubesse, E. and Franzinelli, E.(2000). Recent Paleohydrological Changes in the Negro River, Amazonia, Brazil. IAG Conference on Large Rivers and Application of Remote Sensing in Fluvial Geomorphology. CRISP- University of Singapore, Singapore.

Latrubesse, E. and Franzinelli, E. (1998). Holocene Sedimentation in the Central Part of the Amazon Alluvial Plain. Third International Meeting on Global Continental Paleohydrology-GLOCOPH, Kumagaya, Japan p. 63-64.

Latrubesse, E. and Aquino, S. (1997). Parametros Geomorfológicos Fluviales Actuales y Estudios de Paleohidrologia en la Amazonia. VI Congresso de Abequa, Brazilian Association for Quaternary Research and first meeting on Quaternary of South America, Curitiba, Brazil, 449-450.

Latrubesse, E. and Franzinelli, E.(1997) Geomorfologia e Quaternario da Planicie Aluvial do Meio Amazonas. VI Congresso de Abequa, Brazilian Association for Quaternary Research and first meeting on Quaternary of South America, Curitiba, Brazil, p. 443-443.

Latrubesse, E., Rossi, A. and Franzinelli, E. (1997). Geomorphology of the Pacaas Novos Range, Southwestern Amazonia,Brazil. Fourth International Conference on Geomorphology International Association of Geomorphologists, Bologna, Italy, v. 2, p. 241-241.

Latrubesse, E. (1997). Late Quaternary Mega-Fans in Middle Amazonia (Aripuana And Ji-Paraná Rivers), VI Congresso de Abequa, Brazilian Association for Quaternary Research and First meeting on Quaternary of South America, Curitiba, Brazil,p. 441-442.

Latrubesse, E. and Rancy, A.(1997). Neotectonic Influence on Tropical Rivers of Southwestern Amazonia during the Late Quaternary: The Moa And Ipixuna river basins, Brazil.), VI Congresso de Abequa, Brazilian Association for Quaternary Research and First meeting on Quaternary of South America, Curitiba, Brazil,p.444-445.

Latrubesse, E. and Rancy, A. (1997). The Late Quaternary of The Juruá River,Southwestern Amazonia,Brazil:Geology And Vertebrate Paleontology. VI Congresso de Abequa, Brazilian Association for Quaternary Research and First meeting on Quaternary of South America, Curitiba, Brazil 446-448.

Latrubesse, E. and Aquino, S. (1996). Hydrology and Climate in the Acre River Basin, Southwestern Amazonia, Brazil. Meeting Project 341 IGCP/IUGS/UNESCO, Tarija, Bolivia.

Latrubesse, E. and Franzinelli, E. (1996). Late Quaternary Paleohydrology of the Upper Rio Negro Basin, Amazonia Brazil. GLOCOPH Symposium- Paleohydrology and modeling of environmental change, Toledo, Spain, p62.

Latrubesse, E. (1995). Geologia e Paleontologia de Vertebrados Pleistocénicos da Amazônia Sul Ocidental: Considerações Paleoambientais. Congresso da Associação Brasileira de Estudos do Quaternário, Rio de Janeiro, Brazil.

Latrubesse, E. (1995). Large Inactive Alluvial Fans in Middle Amazonia (Aripuana and Ji-Parana Rivers): Evidence of like Chaco - Environment for Late Pleistocene of Amazonia. XIV INQUA Congress, Berlin, Germany. p. 156-156.

Latrubesse, E. and Franzinelli, E. (1995). Late Quaternary Alluvial Sedimentation and Paleoclimates Implications in the Upper Rio Negro Basin, Amazonia, Brasil. XIV INQUA Congress, Berlin, Germany p. 154-154.

Latrubesse, E. and Rancy, A. (1995). Late Quaternary Alluvial Sediments and Vertebrate Paleontology as Indicators of Aridity in Southwestern Amazonia. XIV INQUA Congress, Berlin Germany, p226.

Latrubesse, E. (1994). Climatic Changes in Amazonia during the Late Pleistocene. Second Meeting IGCP 341 - Paleo and Neoclimates of Southern Hemisphere, San Rafael, Argentina.

Latrubesse, E., Rancy, A., Villanueva, B.J., Negri, R., Brito. (1994). Novos dados sobre o Cretáceo da Serra do Divisor, Acre. 37º Congresso Brasileiro de Geologia. Camboriú, Brazil, v. 3, p. 302-303.

Latrubesse, E. and Rancy, A. (1994). The Solimoes Formation (Upper Miocene-Pliocene) of Southwestern Amazonia: Paleoclimatic and Stratigraphical Implications. Second Meeting IGCP 341 - Paleo and Neoclimates of Southern Hemisphere, San Rafael, Argentina.

Latrubesse, E. (1993). Geomorfologia da Faixa Fluvial do Rio Madeira, Amazônia Brazil.V Simpósio de Geografía Aplicada. São Paulo, Brazil

Latrubesse, E. (1993). Sedimentación Cuaternaria en el Bajo Rio Negro, Amazonia, Brasil. 5 Meeting IGCP-281-IUGS/UNESCO, Quaternary Climates of South America, Santiago, Chile.

Latrubesse, E., Kromer, R., Carneiro Filho, A. (1993)."Evidence of Ardity in the Guyana - Roraima Tropical Region during the Quaternary" 5ª Reunión PICG-281. Climas Cuaternarios de América del Sur - Cuaternario de Chile - 1p - Santiago.

Latrubesse, E., and Frazinelli, E. (1993). "Sedimentación Cuaternaria en el Bajo Rio Negro, Amazonia, Brasil" - 5ª Reunión del Projecto PICG-281 - Climas Cuaternarios de

Latrubesse, E. (1992). Chronology of the Late Cenozoic of Southwestern Amazônia, Brazil. International Symposium on the Quaternary of the Amazon, Manaus, Brazil.

Latrubesse, E. and Franzinelli, E. (1992). Geomorphology and Quaternary of the Upper Rio Negro Basin, Brazil. International Symposium on the Quaternary of the Amazon, Manaus, Brazil.

Latrubesse, E. (1992). The Neogene of Southwestern Amazônia. International Symposium on the Quaternary of the Amazon, Manaus, Brazil.

Franzinelli, E. and **Latrubesse, E**. (1992) The Use Remote Sensing in a Neotectonic Study in the Amazon Basin. XVII Congress ISPRS, Washington, USA.

Latrubesse, E. and Ramonell C. (1991)."O Quaternário do Estado do Acre" 3^0. Congresso ABEQUA. Publ. Especial No. 1. Resumos. 61-63, Belo Horizonte.

Latrubesse, E. and Franzinelli E. (1991)."Quaternario e Neotectonica na Zona de confluência Rio Negro - Rio Solimões", 3o. Congresso ABEQUA, Publ. Especial N^0 1.Resumos: 64-65. Belo Horizonte.

Latrubesse, E., and Ramonell C. (1991). "Geological record of the Little Ice Age in the Pampean region, Argentina", XIII INQUA. Congress, Abstracts, Beijing.

Latrubesse, E., and Ramonell, C. (1991)."Quaternary History of Western Amazonia". XIII INQUA Congress, Abstracts, Beijing.

Ramonell C. and **Latrubesse, E**. (1991). "The Austral Paleodesert of San Luis, Argentina". XIII INQUA Congress, Abstracts, Beijing.

Latrubesse, E. Franzinelli, E., Colinvaux, P., Miller, M., Bush, M., de Oliveira, P. (1991). "Novas consideracões sobre o Quaternario da Bacia do Alto Rio Negro (Estado do Amazonas)". Anais do III Simp. de Geologia da Amazônia, Belém.

Ramonell C., **Latrubesse, E**., Bocquentin, J. C., Rancy, A., Souza Filho, L., Negri, R. (1991)."Novas perspectivas sobre a idade da Formação Solimões no Estado do Acre" Anais do XIII Simp. de Geologia da Amazônia, Belém.

Technical reports

More than 20 major technical reports for a variety of agencies such as Geological Survey of Brazil-CPRM, Goiás State Geological Survey-Brazil, IBAMA-Ministry of the Environment-Brazil,

Other papers for dissemination

Abad, J., Montoro, H and **Latrubesse, E.** TROPICAL RIVERS 2012: IGCP Annual Symposium, August 8 to August 12 of 2012, Eos, American Geophysical Union.

Latrubesse, E. 2002. An Integrated Program for the Araguaia Basin Brazil. RBI News, RAMSAR, 6-7, Kuala Lumpur, Malasia.

GRANTS AND AWARDS

PENDING RESEARCH GRANTS AND AWARDS

- National Science Foundation- (PI)-Collaborative Research: Cenozoic Geological Investigations of the Amazon River, Brazil, Manaus to the Atlantic. UT budget: $120,836; Total budget: $420,000
- FAPESP-Research Foundation of Sao Paulo State-Brazil- (Foreign Co-PI), Deciphering morphogenetic mechanisms in mega-rivers: the role of the Brazilian systems in the new fluvial geomorphologic paradigms (additional funding to CAPES-CNPq). Total budget $100,000.

FUNDED RESEARCH GRANTS AND AWARDS

Remember that in Argentina and Brazil, funding for students fellowships are not included in the project budget but provided through specific grants. That means, the amounts by project listed below from Brazil and Argentina are specific for supporting research (net-funding free of indirect costs) and not related to grant/contracts for students, overhead and other indirect costs.

- National Science Foundation (Senior Researcher) -NSF-FESD Type I: The Dynamics of Mountains, Landscapes and Climate in the Distribution and Generation of Biodiversity of the Amazon/Andean rainforest. 2013-2-17. Total budget $4.5 millions. Latrubesse's budget: $340,000
- National Council of Brazil-CNPq-CAPES- Without Frontiers Program- (Foreign Co-PI)- Deciphering morphogenetic mechanisms in mega-rivers: the role of the Brazilian systems in the new fluvial geomorphologic paradigms. 2012-2015- $260,000
- National Science Foundation. (PI) - Morphodynamics of an Amazon megariver facing disruption: The Madeira. UT budget $72,00; total budget ~$100,000, 2012-2013
- Small Grants Program, Office of Research, Univ. of Pittsburgh (Co-Pi)- Morphodynamics of the Madeira River: a crucial Amazonian anabranching megariver facing imminent disruption, 2012-2013; $16,000.
- Mellon Research Travel Grant, LLILAS, UT Austin - Gold mining in the Madre de Dios basin, Peru: geomorphologic changes and social conflicts in the most impacted area by mining in the whole Amazon basin, 2012, $4,500

- National Geographic Society. (PI) - Exploring a soon to be lost Amazon world: a geomorphologic, paleontologic and geo-archaeologic expedition to the Madeira River, 2011. $19,900
- Mellon Research Travel Grant, LLILAS, UT Austin - Was the 2009 the largest or the most hazardous flood recorded in the Amazon basin? Peculiarities of a complex system 2010-2011. $4,884
- University of Texas-Liberal Arts-Department of Geography and the environment - Startup money. 2009-2011. $150,000
- College of Engineering, university of El Litoral- FICH-UNL, Argentina. Co-PI- Assessment of changes and sedimentation of the Parana Rivers near Santa Fe: implications for the territorial development. 2011 – 2013. $ 13,450.
- Secretary of Science and Innovation, Santa Fe State, Argentina. Co-PI. Assesment of hydrogeomorphologic processes of the Parana River between Arroyo Leyes and Santa Fe –Paraná. 2010 – 2012. $ 6850.
- FICH-UNL, Argentina. Co-Pi. Analysis of the constructional processes in a large alluvial river: The middle Parana. 2009 – 2012. $8000.
- Mellon Research Travel Grant, LLILAS, UT Austin - Hyper-avulsive rivers in the Chaco plain and strategies for river management (2009-2010). $ 4925
- CNPq 482545/2007-0. (PI) - Hydro-physics impacts induced by human action (direct and indirect) and by climatic changes in large Brazilian Rivers: The extreme cases of Rio Araguaia and Rio Parana-ARPA. 2008-2009. $ 87,000
- Pro-Sul Network CNPq 490602/2007-0-I. Chair of the Argentinean Team (UNLP) in the research Network - Hydro-physic response to Global Change in large rivers of South America: Parana, Paraguay, Orinoco and Magdalena Rivers (Brazil, Argentina, Colombia and Venezuela). 2007-2010. $ 60,000.
- NASA-USA, Earth Science Enterprises, 2700-0087. (Brazil PI) - Land use Impacts on the Water Resources of the Cerrado Biome. In collaboration with Woods Hole Research Center, University of Stanford, University of Goias (Brazil) and University of Brasilia (Brazil). 2006-2008. Latrubesse's team: ~$ 70,000
- Fundação de Amparo a Pesquisa do Estado de Sao Paulo-FAPESP, Brazil. Visiting Foreing Scientist. University of Guarulhos-UnG - Master degree program in Geo-environmental Analysis. June 1st to July 31, 2008. $ 12,000.
- PI-Head- Program of Science and Technology for the Development in Ibero-American countries CYTED - Abiotic Control of wetlands: comparison and assessment of methods and techniques of mapping and monitoring of vegetation units-CABAH network. 2003-2007. $ 155,000.
- FEMA-Goiás, Brazil. (PI) - Quantification of the erosion and deposition processes in the middle Araguaia alluvial plain, Brazil. 2003-2004. $15,000
- European Commission, INCO Program. Chair of the Brazilian team. Quantitative indicators and indices of environmental quality; Euro-Latin American Network for Environmental Assessment and Monitoring (ELANEM)-INCO Program. Universities: Baja California (Mexico); Central de Las Villas (Cuba); Federal of Goias (Brasil); National of Río Cuarto, National of La Plata (Argentina); Concepción (Chile); ITC

(Netherland); Cantabria (Spain); Modena and Reggio-Emilia (Italy). 1999-2003**.** Total project amount: Euros 810,000. Latrubesse´s team amount: US$ 83,000.

- CNPq–Brazil (PI) - Present day morpho-dynamic and Quaternary evolution of the Araguaia Alluvial plain: its environmental implications - Brazil. Duration: 2000 – 2002. $ 24,000
- VITAE Foundation. (PI). - Risks associated to thalweg shift in the Araguaia (Brazil) and Parana (Argentina) rivers: its importance for fluvial engineering and bi-national programs of integration. Participants: Researchers from Federal University of Goias, of Maringá (Brazil) and National del Litoral–Santa Fé (Argentina). Duration: 2000-2001. $ 18,000.
- CNPq- (PI) Morphodynamics and Quaternary evolution of the Araguaia alluvial plain: environmental implications. 1999-2001. $30,000
- UFAC- CNPq-PI Geomorphology and Quaternary of the Acre River floodplain. 95-97.$26,000
- INQUA-International Union for Quaternary Research-Travel Grant. INQUA Congress Berlin, Germany, 1995. $2500
- CNPq- 502721/91- Quaternary of the Rio Negro floodplain from Santa Isabel to the mouth: Geomorphology, stratigraphy, paleaeoecology and neotectonics.1991-1993. $25.000
- UFAM-CNPq. (PI) Fluvial dynamics of the Solimões River between Careiro and Paciencia islands. 1991-1993. $12,000.
- UFAM- (PI) Geomorphology and Quaternary of the Rio Negro-Amazon confluence. 1992-1993. $6000
- PID-CONICET 3-095100/88 and National Geographic Society (collaborator) Geomorphologic map of the South American plains.
- CONICET-Argentina-Graduate Research Fellowship Program. Project: Geomorphology and Quaternary of the Pilcomayo megafan (Bolivia, Paraguay and Argentina). 1990-1991. 15,000
- Antorchas Foundation Travel Grant. IGCP 281 Unesco Project meeting, Colombia. 1990. $2000
- UNSL-Sc.& Tech. (Co-PI). Geomorphologic map of the San Luis Province, Argentina. 1989-1991 $15,000
- UNSL-Sc. & Tech. Graduate Research Fellowship Program. Geomorphology and Quaternary of Saladillo region, San Luis province, Argentina. 1989-1990. $14,000

SPECIFIC PROJECTS FOR ACQUISITION OF EQUIPMENT

- UT-LabSpace Program, Improvements to the Environmental Change Laboratory, space Environmental change Lab; 2012, $9350
- CT-INFRA-FINEP - phases 1 and 2. Acquisition of an acoustic doppler ADCP Rio Grande, a geodesic DGPS, a video-system for microscopy, automatic data logging station. (2003-2004). $ 72,000.

OTHER GRANTS AND PROJECTS OF RESEARCH WITH EXTERNAL FINANCIAL SUPPORT

- Collaborator- HIESA-Spatial Hydrology of the Amazon, project, founded by FINEP-Brazil and managed by UFAM, Brazil. ($900,000) (2011-2013)
- Consultant-Sao Francisco River, Brazil. Geological characterization of the continental shelf and the influence of fluvial sources in NE Brazil (SE and AL States), UFS-PETROBRAS- FAPESE. (2010-2011), $1,200,000
- Consultant of the Project Modeling of hydro-geomorphologic processes and parameter to assess ecologic sustainable discharges in the São Francisco River, Brazil. CT Hidro-CNPQ. 2007-2009. $350,000.
- Consultant to the project Dynamic of bed load in the Parana River and in the mouth of main tributaries, Brazil. CNPq-Brazilian Council of Research. $20,000. (J.C.Stevaux-PI-University of Guarulhos-Brazil). 2006-2007.
- Consultant to the project Transmission of the impacting wave in the dynamics of flow and bed load of the Paraná River: model for management of large alluvial systems affected by dams, waterways and mining. FAPESP-Fundation of Research of São Paulo State, Brazil, $35.000. (J.C. Stevaux-PI- University of Guarulhos). 2006-2007.

SPECIAL PARTICIPATION IN SCIENTIFIC MEETINGS (<u>only included invited talks, chaired sessions and other special participations</u>).

- Chair/organizer, Session 24-A Tropical Rivers, 8th International Symposium on Geomorphology, International Association of Geomorphologists-IAG, Paris, August 2013.
- Invited researcher, Catalysis workshop on The Role of Mountains, Climate, and Landscape in Generating Amazon/Andean Biodiversity, National Evolutionary Synthesis Center (NESCent), NSF-Duke University, Durham NC, October , 2012.
- Invited talk, University of Pittsburgh Department of Civil and Environmental Engineering, October 2012.
- Invited speaker, 45 Brazilian Symposium on Geomorphology, Rio de Janeiro, Brazil, October, 2012
- Invited speaker, Argentinean Congress on Geomorphology and Quaternary, Rio Cuarto, Argentina, October 2012.
- Invited speaker. American Geophysical Union-AGU Fall Meeting, Session 012, Large fans as mesoscale landforms, San Francisco, December, 2011.
- Chair/organizer, Special session EP21B. Fluvial Morphodynamics, Channels Patterns, and Megafans American Geophysical Union-AGU, Sao Francisco, 2011.
- Invited researcher. Catalysis Meeting Earth surface processes in the evolution of mammalian tooth shape at The National Evolutionary Synthesis Center (NESCent) NSF-Duke University (this meeting enclosed 20 specialists from different disciplines from USA, Europe and New Zealand). Durham, NC, April, 2011.
- Invited talk. The future dark of the Brazilian Rivers, Brazil, Brazilian Center-LLILAS, UT at Austin, April 2011.

- Invited speaker. International Conference on the Status of the World's Large Rivers, Vienna, Austria, April, 2011.
- Invited talk. The Quaternary paleoecology and paleogeography of the Amazon basin, Texas A&M, Department of Geography, March, 2011.
- Invited speaker. AGU, San Francisco Fall 2010, USA, Large rivers morphodynamics session, December 2010.
- Invited speaker (plenary talk). 45th Geological congress on Geology, Belem, Brazil, October, 2010).
- Invited speaker. Binghamton Symposium on fluvial Geomorphology, University of Texas-Austin, October 2008.
- Invited speaker, (Plenary lecture). Geomorphology of large South American Rivers, VII SINAGEO, National Symposium on Geomorphology, and II Second Latin American Meeting of Geomorphology, Brazilian Union of Geomorphology-UGB, Belo Horizonte, August, 2008.
- Invited speaker. Seminar on Impact of the global climate change on Manaus and Rio Negro basin, Amazonia. Socio-Environmental Institute-ISA, Manaus, March 2008.
- Invited speaker. Paleohydrology of the Amazon basin, ABEQUA Congress, Brazilian Union of Quaternary Research, Belem, Brazil, November 2007.
- Invites speaker. Anabranching patterns: the ultimate fluvial response of channel adjustments in large rivers. International workshop Morphodynamic in large lowland rivers, FICH/Argentina and NCESD-USA, Santa Fe, Argentina.
- Invited speaker. The Amazon Basin Floodplains. Symposium on Geotechnologies applied to floodplain studies, PROVARZEA-IBAMA, Manaus, July, 2008.
- Chair of the session Aeolian landforms, International Regional Conference on Geomorphology-Internatinal Association of Geomorphologists, Goiania, Brazil, September 2006.
- Chair of the Session Fluvial Geomorphology, International Regional Conference on Geomorphology-International Association of Geomorphologists, Goiania, Brazil, September 2006.
- Invited Researcher. IGCP Meeting 518 and 50^0 CHINQUA Congress, Nanking, China, October, 2006.
- Member of the plenary rounded Table. The Tropics: past present and future International Regional Conference on Geomorphology-IAG, Goiania, September, 2006, shared with Michael Thomas (U. Stirling, UK) and J. Runge (U. Frankfurt, Germany).
- Chair of the session S2 Fluvial Systems, Land Degradation and River Management, International Symposium, COMLAND 2005,IUGS-International Commission on Land Degradation- Uberlandia, Brazil, May, 2005.
- Chair of the session The Late Cenozoic Fluvial Record, IGCP 449 Meeting, December 15-19, 2004, Málaga, Spain.
- Chair/organizer of the International Workshop on Late Cenozoic fluvial Sediments, IGCP 449. Latin-American Congress of Sedimentology, Belem do Para, June, 2003, Brazil.
- Chair of session GLOCOPH International Meeting on Global Continental Paleohydrology, December, 2002, Pune, India.

- Invited speaker, Plenary rounded table. Fluvial dynamic of the largest Brazilian rivers IV Simpósio Nacional de Geomorfologia, União da Geomorfololgia Brasileira,-UGB, São Luiz de Marañón,Brazil. October 29 to November 11, 2002.
- Invited speaker, rounded table and member of the scientific committee. XVIII Congreso Brasileiro de Paleontologia, UFAC, Rio Branco, August, 2001.
- Member of the Scientific Committe. Simpósio Nacional de Controle de Erosão. ABGE, Goiânia, May 3 to 6, 2001.
- Chair/organizer. Symposium S6, Large Rivers, IAG-International Conference on Geomorphology, Tokyo, Japan. September 2001.
- Chair of session, Third International Meeting on Global Continental Paleohydrology-GLOCOPH' 98, Kumagaya, Japan, September, 1998.
- Chair/organizer of the First South-American Symposium on Paleohydrology during the VI Congress of the Brazilian Association of Quaternary Research. Curitiba, Brazil, July, 1997.
- Selected paper for oral presentation in the Tropical Geomorphology Session, IV International Conference on Geomorphology-IAG, Bologna, Italy, August, 1997.
- Brazilian National Delegate. Annual Meeting, Proyect IGCP 341, Southern Hemisphere Paleo and Neoclimates, Tarija, Bolívia, May, 1996.
- Invited speaker, rounded table on Geomorphologic Mapping, First Brazilian symposium on Geomorphology, November 1996, Uberlândia, Brazil.
- Chair of the session Paleohydrological techniques and approaches for understanding the global change. Second International Meeting on Global Continental Palaeohydrology, GLOCOPH-INQUA, Toledo, Spain, September, 1996.
- INQUA Congress, Berlin Germany, August, 1995. Winner of a grant offered by INQUA to young scientists.
- Brazilian National Delegate, Second meeting IGCP 341 "Southern Hemisphere Palaeo and Neoclimates", September, 1994, San Rafael, Argentina.
- Chair of the session Tropical Quaternary of South America, 5th Meeting IGCP 281 "Quaternary Climates of South América" November, 1993, Santiago de Chile.
- Argentinean National Delegate Second Meeting Project IGCP-Unesco 281 Quaternary Climates of South América. Medellín, Colombia May, 1990.
- Argentinean National Delegate, First Meeting Project IGCP-Unesco 281 Quaternary Climates of South América. La Paz, Bolivia. May 14, 1989.

GRADUATE STUDENT SUPERVISION

In addition to UT support, grants for students were and still to be obtained through a variety of agencies such as Brazilian Council of Research-CNPq-Brazil, Brazilian agency for Graduate Programs-CAPES-Brazil, National Council of Research-CONICET-Argentina, NASA, European Union International Cooperation Program-INCO, among others. All the students listed below were supervised by Latrubesse.

Supervised Post-doctorate fellowships:

- Marchetti Zuleica, 2011-2013- Interactions among vegetation and morphodynamic processes in the Parana River floodplain, Argentina-Grant from CONICET- - Argentina.
- Aquino, Samia- 2007-2008. The Araguaia hydro-geomorphologic data-base. Grant of NASA-USA, Earth Science Enterprises, 2700-0087.

Supervised PhD Dissertations in Progress

- Edward Park, 2013-ongoing. Multitemporal megapatterns of suspended sediments distribution in megarivers, UT Austin, Department of Geography and the Environment.
- Christine Bonthius. 2013-ongoing. Multitemporal analysis of geomorphologic changes and channel morphodynamics in the Madeira River, Amazonia, UT Austin, Department of Geography and the Environment.
- Anwar Sounny-Slitine. 2013-ongoing. Megafans: geomorphology and morphodynamic processes. UT Austin, Department of Geography and the Environment.
- Robert Bean, PhD. 2012-present. UT Austin, Department of Geography and the Environment. Macro-scale morphometry, sediment production and hydrology of the Andes Cordillera, UT-Austin, Department of Geography and the Environment
- Fontes, Luiz. 2009-present. Morphodynamic adjustments of the lower Sao Francisco River and Coastal Hydro-geomorphologic Impacts, because of dam constructions, northeastern Brazil. State Univ. of Sao Paulo -UNESP, Rio Claro. PhD program in Geosciences, Brazil.
- Ramonell, Carlos. 2009-present. Quaternary Paleohydrology of the Parana River Floodplain, Argentina. Geological Sciences graduate program, Universidad Nacional de La Plata, PhD program in Geosciences, Argentina.
- Pereira, Maria Soledad. 2009-present. Morphodynamics and facies model of the Middle Parana River from Corrientes to Rosario. CONICET Grant, Geological Sciences graduate program, Universidad Nacional de La Plata, PhD program in Geosciences, Argentina.

Supervised PhD Dissertations Completed

- Morais, Roberto Prado, 2006. An erosional-sedimentation budget for the Araguaia River, Brazil. PhD program in Environmental Sciences, Federal University of Goias, Brazil.
- Valente, Sidney. 2007. Morphotectonic and hydrologic control of wetlands in the Bananal Plain, Araguaia basin, Brazil. PhD program in Environmental Sciences, Federal University of Goias, Brazil.
- Degiovani, Susana. 2008. The Gato Creek: A study case of geomorphological and environmental dynamic in the dry Pampa, Argentina. PhD program in Geology, National University of Rio Cuarto, Argentina.
- Bayer, Maximiliano. 2010. Processes of sedimentation and environmental related aspects in the Araguaia River floodplain, Central Brazil. PhD program in Environmental Sciences, Federal University of Goias, Brazil.

Supervised Master Thesis in progress

- Vince Clause. 2012-ongoing. Geomorphology of the lower Amazon, Brazil. UT Austin, Department of Geography and the Environment.
- Charles Wight. 2013-ongoing. Dams impacts in the Amazon basins: generating a new platform of hydro-physical and environmental indicators. LLILAS, UT Austin.

Supervised Master Thesis completed

- Katherine Lininger-2013. Floodplain sedimentation rates, land use change, and hydrological analysis of the middle Araguaia River, Brazil UT Austin, Department of Geography and the Environment.
- Christine Bonthius. 2013-present. Multitemporal analysis of geomorphologic changes in the Madeira River, Amazonia, UT Austin, Department of Geography and the Environment.
- Richard Knox, 2013. Adjustments of the effective discharge and channel geometry of the Mississippi River to engineering since the XX Century. UT-Austin Department of Geography and the Environment.
- Edward Park, 2013. Multitemporal megapatterns of suspended sediments distribution in the Amazon River and the role of the largest tributaries, UT Austin, Department of Geography and the Environment.
- Anwar Sounny-Slitine 2012. UT Austin, Geomorphic and anthropogenic influences on embanked floodplain inundation of the Mississippi river. Department of Geography and the Environment.
- Tizuka Michelle, 2012. Geoarcheology and paleohydrological reconstructions in the Madeira River, Western Amazonia, Brazil. UNESP, Department of Geosciences, Rio Claro, Brazil.
- Carvalho, Thiago. 2006. Flow and sediment transmission model for the Araguaia Alluvial Plain, Brazil. Federal University of Goias, M.Sc. program in Geography, Brazil.
- Bayer, Maximiliano. 2002. Erosional and sedimentary processes in the Araguaia River, Brazil. Federal University of Goias, M.Sc. program in Geography, Brazil.
- Vieira, Pedro Alves. 2002. Geomorphological dynamic and facies model of the Bananal Plain, Brazil.. Federal University of Goias, M.Sc. program in Geography, Brazil.
- Silva, Jakeline. 2002. Environmental Quality Index and Indicators in Morrinhos County, Goias, Brazil. Federal University of Goias, M.Sc. program in Geography, Brazil.
- Moraes, Roberto Prado de. 2001. Evolution of sedimentation rates in the Araguaia River: Historical changes during that last forty years. Federal University of Goias, M.Sc. Geography Program, Brazil.
- Guedes, Helio. 2000. Abiotic controls of vegetation in rivers of Southwestern Amazon, Brazil. Federal University of Acre, MSc Ecology program, Brazil.
- Lima, Maria. S. 1998. Mass movements in Rio Branco city, Acre, southwestern Amazon, Brazil. Co-advisor, Federal University of Santa Catarina, Brazil, MsC. Geography Program, Brazil.

Supervised Granted Graduated technicians

- Gonçalves, Kenya. 2002-2003. Technician of the Laboratory of Geology and Physical Geography-LABOGEF- Federal University of Goias, Brazil. CNPq-Brazil,.
- Olazar, Leandra**.** 2000-2001. Technician of the Laboratory of Geology and Physical Geography-LABOGEF- Federal University of Goias, Brazil. CNpq-Brazil,

Supervised Undergraduate Honors (completed)

- Rifle, Lauren A. 2012. Deforestation impacts on fluvial systems in the Amazon river basin Department of Geography and the Environment, UT, Austin.
- Tristão, Gisela Martins. 2002. Geomorphologic characteristics and hydro-sedimentological dynamic of the lake systems of the Araguaia floodplain. Department of Geography, IESA, Federal University of Goias.
- Franca, Andrea. 2001. Lake system mapping of the Araguaia River floodplain. Department of Geography, IESA, Federal University of Goias.
- Morais, Roberto Prado. 1999. Quantitative Geomorphology of the Meia Ponte Basin, Brazil. Department of Geography, IESA, Federal University of Goias.
- Aquino, Samia. 1997. Hydrology of the Acre River basin, southwestern Amazonia, Brazil. - Department of Geography, Federal University of Acre, Brazil.
- Cruz, Catia Cilene Santos. 1997. Mapping and quantification of linear erosion in Rio Branco county, southwstern Amazonia, Brazil.– Department of Geography, Federal University of Acre, Brazil.
- Silva, Marcos Soares. 1996. Geomorphology and Quaternary of the Rio Acre alluvial plain.– Department of Geography, Federal University of Acre, Brazil.

Supervised Undergraduate Scholarships and Internships

- Wright, Charles. 2011. Special studies, Department of Geography, UT, Austin.
- Clause, Vince. 2011. LLILAS UT-Austin, Internship research program..
- Riddle, Katherine. 2011. LLILAS, UT-Austin Internship research program.
- Rife, Lauren. 2010. LLILAS, UT-Austin, Internship research program.
- Lacerda, Clarise. 2003-2004. Morphometry, physical and chemical parameters of the floodplain lake systems of the Araguaia River, Brazil.– Grant National Council of Research-CNPq. Federal University of Goias.
- Lesa, Alyne. 2003-2004. Hydro-geomorphology of floodplain lakes, Araguaia floodplain, Brazil.. Scholarship Grant of the National Council of Research-CNPq. Federal University of Goias.
- Correia, Manuel R.C. 2003. Sedimentary environments of the Araguaia floodplain. - Scholarship Granted by the National Council of Research-CNPq. Federal University of Goias.
- Tristão, Gisela Martins.2002. Geomorphologic characteristics and hydro-sedimentological dynamic of the lake systems of the Araguaia floodplain. 2000-2002– Scholarship Granted by the National Council of Research-CNPq.

- Araujo, Flaudio Ramos. 2000-2002. Abiotic control of vegetation in the Araguaia River floodplain. - Scholarship Granted by the National Council of Research-CNPq. Federal University of Goias.
- Franca, Andrea. 1999-2001.Lake system mapping of the Araguaia River floodplain. - Scholarship Granted by the National Council of Research-CNPq.
- Morais, Roberto Prado. 1999. Quantitative Geomorphology of the Meia Ponte Basin, Brazil. Geography Department, IESA, Federal University of Goias.
- Aquino, Samia. Hydrology of the Acre River basin, southwestern Amazonia, Brazil. 1996-1997 - Scholarship Granted by the National Council of Research-CNPq. Federal University of Acre.
- Cruz, Catia Cilene Santos. 1995-1997. Mapping and quantification of linear erosion in Rio Branco county, southwstern Amazonia, Brazil. - Scholarship Granted by the National Council of Research-CNPq.
- Silva, Marcos Soares. 1994-1996. Geomorphology and Quaternary of the Rio Acre alluvial plain. - Scholarship Granted by the National Council of Research-CNPq.
- Fortes, Mircia Ribeiro. 1992-1993. Morpho-dynamic of the Solimoes River floodplain between Careiro Island and Paciencia Island. - Scholarship Granted by the National Council of Research CNPq.

Advising of Foreign Graduated Visiting Students and Internships

- Isabel Teresinha Leli, PhD student UNESP, Brazil, granted by CAPES (January 15 to July 31st, 2014), Geomorphology and Quaternary evolution of the Parana river floodplain.
- Luiz Carlos Fontes, PhD student UNESP, Brazil, granted by CAPES (September to December 2013), Fluvial geomorphology of the Sao Francisco River.
- André L. Souza Celarino, PhD student of UNICAMP, Brazil, granted by FAPESP (September 2012 to March 2013), Fluvial geomorphology of central Brazil rivers,
- Alana Bacon, PhD student of Duke University (April 2010 and April 2011), Geomorphology of Peruvian Amazon.
- Andrea Cavalcante, PhD student of University Fluminense-Rio de Janeiro, granted by CAPES-Brazil to spend 8 months working under my supervision on river management and hazards in North Eastern Brazil (fall 2010 and spring semester 2011).
- Edgardo Cafaro, PhD student of CONICET, Argentina visiting scholar to work under under my supervision on the Chaco Rivers morphodynamics and the largest megafans of the world, January 2010.
- Orlando Gonzales, PhD student from University El Libertador-Venezuela, on Plain Geomorphology and fluvio-aeolian interactions, 2006.
- Alina Crincoli, Master degree student from National University of La Plata-Argentina, to Federal University of Goias, on Plain Geomorphology and aeolian processes, 2006.
- Mirta Cabral, from National University of La Plata-Argentina to Federal University of Goias- Brazil, on Floods hazards, 2003.
- Susana Degiovani, from National University of Rio Cuarto-Argentina, on Fluvial Indicators 2004.
- Oscar Link, from Concepción University - Chile, to Federal University of Goias, on fluvial

geomorphology and sediment transport, 1999.

- Marcelo Sorba, from National University of San Luis, to Federal University of Acre, on tropical geomorphology,.
- Vicente Sanchez, from National University of San Luis, to Federal University of Acre, on tropical geoomorphology, 1996.
- Arturo Aberastain, from National University of San Luis, to Federal University of Acre, on tropical geomorphology, 1996.

Member of Graduate Committee (I just listed activities developed since I am a UT professor (2009-current). Previous activities in other countries are not included)

- Lahiri, Siddhartha Kumar. PhD, Indian Institute of Technology-Kanpur, Department of Civil Engineering.
- Leitch, Maraigh.2011. MsC in Geography, Department of Geography and the Environment, UT-Austin.
- Gonzales, O. 2011. PhD in Geology, Universidad Central de Venezuela (ongoing).
- Roy, Nanigopal. 2010. PhD in Geosciences- Indian Institute of Technology-Kanpur, India.

ADMINISTRATIVE AND COMMITTEE AND PROFESSIONAL PUBLIC SERVICE

ORGANIZATION OF SCIENTIFIC MEETINGS

- Nominated by the International Association of Geomorphologist-IAG to manage the Tropical Geomorphology area in the IAG 8th International Conference on Geomorphology, Paris, 2013.
- Organizer 24A-Session Tropical rivers-IAG- and IGCP 582 Unesco, , IAG 8th International Conference on Geomorphology, Paris, 2013
- Organizer/chair of the AGU Fall meeting-San Francisco 2012, River morphodynamics and channel patterns: how do river patterns come to be different? (co-organizers J. Abad, Univ. Pittsburgh and P. Ahsworth, UK)
- Session Lowland Rivers, Association of American Geographers, New York, 2012 (with J. Abad-University of Pittsburgh).
- Organizer, session Fluvial morphodynamics and channel patterns, American Geophysical Union-AGU, fall meeting, San Francisco, December 2011 (with J. Abad-University of Pittsburgh and S. Lanzoni-University of Parma-Italy).
- IGCP 582 - Unesco Session Morphodynamics of fluvial systems during the anthropogenic, 14th Latin American Congress of Geology, Medellin Colombia. August, 2011.
- Brazilian Center-LLILAS-UT of the panel The Amazon: Facing Global Climate Change. UT-Austin, TX. November 10, 2010.
- Co-organizer of the 5th RCEM International Symposium, River Coastal and Estuarine Morphodynamics, IAHE- International Association of Hydraulic Engineers, Santa Fe, Argentina. September, 2009.

- Chair of the 1th IGCP-Unesco 582 and Symposium on Large South American Rivers, Brazilian and Argentinean Congress on Quaternary-ABEQUA-GAGC, La Plata Argentina. September, 2009.
- Main organizer of the International Regional Conference on Geomorphology of the International Association of Geomorphologists-IAG. Tropical and subtropical Geomorphology: methods and techniques, Goiania, Brazil. September 3-10, 2006
- Co-organizer (with Prof. Jose Stevaux-Brazil) of the GLOCOPH International Symposium, Global Commission on Continental Paleohydrology, Sao Paulo, Brazil. August 2006.
- Session Fluvial systems: land degradation and river management, COMLAND Symposium, International Commission on Land Degradation-IUG, Uberlandia, Brazil. May, 2005.
- International Course Fluvial Dynamic: processes and landforms, International Association of Geomorphologists-IAG, 2004. Brazil. (With Prof. J. Stevaux- Brazil)
- Symposium on Geomorphological Sites: vulnerability and assessment, Regional Conference on Geomorphology, International Association of Geomorphologists, México. October 28-November 7, 2003 (with Prof. E. Reynard, Switzerland).
- Workshop Late Cenozoic fluvial deposits- IGCP 449, III Latin-American Congress of Sedimentology. Belem do Pará, Brazil. June,7 -11, 2003
- International Field Conference Amazon 2003, GLOCOPH working group, Paleohydrology of Large Rivers and IGCP 449, June 12 –18, 2003 (with J.C. Stevaux, Brazil).
- Symposium S6 “Large Rivers”, International Conference on Geomorphology, Tokyo, Japan, August 2001 (with A. Gupta (UK).
- International Course “Index and Indicators of Environmental Quality” RELESA/ELANEM project, INCO program, European Community and UFG. Goias. October 29-November 11 of 2001.
- International Symposium on Paleohydrology and Geomorphology of Large Rivers and Field Conference Araguaia 99, GLOCOPH-IAG. Goiania, Brazil. September 12 to 21, 1999.
- First South-American Symposium on Paleohydrology, Global Commission on Continental Paleohydrology-GLOCOPH-INQUA, Curitiba, July 27 to August 5, 1997, ABEQUA Congress (with J.C. Stevaux-Brazil).
- Field Conference IGCP 341- UNESCO - Southern hemisphere Paleo and Neoclimates” on ‘Paleo and Neoclimates in Southwestern Brazilian Amazonia. October 15 to 21, 1996.
- 4th Meeting of IGCP -UNESCO 281 - Quaternary Climates of South America - Manaus, November 8 – 12, 1992.
- International Symposium on the Quaternary of the Amazon, ABEQUA-SUDAMQUA, Manaus, November 8-12, 1992.

External teaching/Seminars etc:

I do not keep a comprehensive record of seminars that I have given, however they include presentations and courses given at the following institutions:

- Ministry of the Environment, Peru, Lima. (2012).The dam's threat and the dark future of the Amazon basin
- The University of Pittsburgh (2012). Anabranching patterns in large rivers: state of the art and clues from the tropics.
- Texas A&M University, USA (2011). Paleoclimatic and paleoenvironmental Late Pleistocene changes in tropical South America.
- Universidad EAFIT, Colombia (2010). Megarivers: ultimate adjustments in channel patterns
- University of Texas at Austin-USA (2009-2010). The dark future of the Amazon basin; The geomorphologic response of the Araguaia river to tremendous deforestation rates during the last decades
- East Carolina University, USA (2009). The late Quaternary of Tropical South America
- University of Illinois-Urbana-Champaign,USA (2008). Fluvial response to extreme deforestation in Central Brazil: the Araguaia river case.
- Duke University, USA (2008).The Late Cenozoic of Tropical South America: paleogeography, palaeoecology, palaeoclimatology
- Smithsonian, Panama (2007). The late Miocene paleogeography of the Amazon basin
- University of Frankfurt, Germany (2006). The late Pleistocene of the Amazon basin
- University of California, Santa Barbara, USA (1998). The Quaternary fluvial record of the Amazon basin
- University of Cantabria, Spain (2002, 2005). Tropical Rivers: human impacts and environmental consequences
- University of Modena, Italy (1996).
- University of Turku, Finland (1995).
- East Normal University of China, Shanghai, China (2000, 2006).
- Polish Academy of Sciences, Krakow, Poland (2000). Late Quaternary paleohydrology of South America
- University of Santa Catarina, Brazil (1997). Amazon geomorphology
- National Institute of Amazon Research-INPA, Brazil (1993, 1995, 2007). Late Cenozoic paleoecology and paleogeography of South America
- Universidad Complutense de Madrid, Spain (1997). Floods in SW Amazon
- IITK, Indian Institute of Technology, Kanpur, India (2002). Tropical rivers geomorphology
- Universidad Nacional de San Luis, Argentina (1998). Large Rivers Geomorphology
- Universidad Nacional de La Plata, Argentina (2006). Patterns of anabranching systems: ultimate adjustments in large rivers

- Universidade Estadual de Sao Paulo, UNESP, Brazil (2008). Human impacts and fluvial response in the Araguaia basin, Central Brazil.
- Argentinean Committee of Quaternary Research, International Course, Argentina (1994). Fluvial Geomorphology: lessons from South America
- Maringá State, University, Brazil (2000, 2004). Geomorphology of tropical rivers
- Secretary of Planning, Acre State, Brazil (1995). Geomorphology applied to environmental studies
- Museu Paraense Emilio Goeldi, Brazil (2002). The Quaternary paleogeography of the Amazon
- National University of El Litoral, Argentina (2007). Megarivers and anabranching patterns
- Universidad Mayor de San Andrés, Bolivia (2006). Applied fluvial Geomorphology: using index and indicators
- Universidad Pedagógica El Libertador, Venezuela (2004-2005). Quaternary of tropical South América
- University Guarulhos, Brazil. Biotic –abiotic relationshisps in fluvial systems
- International Course on Fluvial Dynamic: processes and landforms, Supported by the international Association of Geomorphologists-IAG (2009). Large Rivers morphodynamics
- University of Pittsburgh (2012) The role of anabranching patterns in megarivers

SERVICE-UNIVERSITY OF TEXAS AT AUSTIN

- Member of the Graduate Committee 2010-2011, 2011-2012
- Member of the Environment BDP-Bridging Disciplines Program, faculty panel since 2011- ongoing
- Member of the LLILAS Argentine Studies Fund Committee, 2011-ongoing.
- Nominator and host of the Tinker Visiting Professor-LLILAS, Dr. Juan Restrepo, University EAFIT, Colombia, fall 2011.
- Member of the committee LILAS-Brazil Center Selection committee Fulbright Brazilian visiting Professor, 2010.
- Nominator and host of a grant provided by LLILAS-Brazil Center to allow the visit of Prof. Naziano Filizola, Universidade Federal do Amazonas to generate research articles and projects in collaboration, 2010.

HOST AT UT-AUSTIN OF FOREIGN AND NATIONAL RESEARCHERS FOR COLLABORATIVE RESEARCH DUTIES

- Prof. Mario Assine, Universidade Estadual Paulista-UNESP, (research, articles preparation). (November 2013, planned)
- Prof. Juan Restrepo, University EAFIT-Colombia Visiting Tinker Professor, fall 2011 (academic and research duties).

- Prof. Jorge Abad, University of Pittsburgh, Department of Civil and Environmental Engineering (April, 2011)
- Prof. Naziano Filizola Universidade Federal do Amazonas, Department of Geography, Brazil (september, 2010).
- Prof. Alfredo Borges, Universidade Federal de Goiás, Brazil (May 2010).
- Prof. Takashi Oguchi, University of Tokyo, Japan. Vice-director, Center for Spatial Information Science, (December, 2010).

LEADERSHIP IN SCIENTIFIC ORGANIZATIONS AND INTERNATIONAL GROUPS OF RESEARCH

- Chair of the International Association of Geomorphologists-IAG working group, Geomorphology of Tropical Rivers, 2009-2013 and 2013- 2017 (ongoing).
- Member, Steering Committee of TERPO **(**Terrestrial Processes, Deposits and History), Commission of INQUA- focus area on hydrological change and climate. Since 2007 (in activity).
- Member, Steering Committee of TERPO **(**Terrestrial Processes, Deposits and History), Commission of INQUA- focus area Quaternary Geology of South America, coordinator of the sub-area Fluvial Record. Since 2011 (in activity).
- Leader of the IGCP-Unesco 582 Tropical Rivers- Hydro-physical processes, impacts, hazards and management. (Co-leaders: Z. Chen (China); R. Sinha (India) and J.C Stevaux (Brazil). 2009-2013.
- Chair, Working/Group on Large Rivers-Global Commission on Continental Paleohydrology -GLOCOPH/INQUA. Since 1995 (in activity).
- Elected Member, Executive Committee of the International Association of Geomorphologists- IAG. 2001-2005.
- Co-leader with D. Bridgland (UK) and R. Sinha (India) of the Project IGCP 518 IGCP/Unesco, Fluvial Sequences as Evidence for Landscape and Climatic Evolution in the Late Cenozoic. 2005-2006.
- Member, Geomorphosites working group of the International Association of Geomorphologists, since 2001 (in activity).

PROFESSIONAL SOCIETY MEMBERSHIPS

- *Association of American Geographers-USA (2009-present)*
- *American Geophysical Union-AGU-USA (2008-present)*
- *Argentinean Association of Geomorphology and Quaternary (2006-present)*
- *International Association of Geomorphologists (1997-present)*
- *Member and co-founder of the Brazilian Union of Geomorphologists (UGB) (1996-present)*
- *INQUA-International Union for Quaternary Research (1995-present)*
- *Brazilian Association of Quaternary Research-ABEQUA (1992-present)*

HONORS

- Corresponding Member of the National Council of Research of Argentina-CONICET, since 2011 (honor offered to Argentinean outstanding researchers living outside the country).
- Referenced biography in "Who is Who in America", 2011.
- Member of the Scientific Board of RCEM, Subcommittee on River, Coastal and Estuarine Morphodynamics, IAHR- The International Association for Hydro-Environment Engineering and Research, since 2010-ongoing
- Thomas W. Rivers Distinguished Professor in International Affaires, East Carolina University, 2008-2009.
- International Prize Augusto Gonzalez de Linares offered to recognized centers or individuals of Spain and Latin America devoted to environmental studies. University of Cantabria and Government of the Cantabria Region, Spain, October 2005.
- Member of the Executive Committee of the International Association of Geomorphologists- IAG, 2001-2005.
- Referenced biography in "Who is Who in the World" Millennium Edition and others, 2000..
- Referenced biography in "Who is Who in Science and Engineering " Millennium Edition and others, 2000.
- Honored, Committee of the International Conference "The environment and the XXI Century", Central University of Las Villas, Santa Clara, Cuba, 2000.
- International Scientific Committee of the Yangtze River International Conference, East Normal University of China and IAG, Shanghai, China, 1999.
- Member of the Research Council of the Brazilian Union of Geomorphologist-1996-1998.
- Founder member of the Brazilian Union of Geomorphologists-UBG-1996.

CONSULTANCIES, INTERNATIONAL COURSES, INTERNATIONAL PROJECTS/NETWORKS MANAGEMENT AND OTHER REPORTS

- Consultant of the project, Environmental base line Argos Bauru & corporative review of ecosystem services, Colombian Caribbean coast, 2013-2014.
- Professor of the course Hydro-physical processes, hazards and impacts in the Amazon basin, IGCP 582 annual meeting and Center for Research and Education of the Amazon rainforest-CREAR, Iquitos, August 2012.
- Professor of the International Course Fluvial Geomorphology with Emphasis on Large Alluvial Systems, IGCP 582-Unesco, 14th Latin American Congress of Geology, Medellin Colombia, August, 21-22, 2011.
- Professor of the intensive graduate course Large Rivers Geomorphology, Sao Paulo State University UNESP, Brazil, November 22-25, 2010.
- Visiting Professor-graduate course- State University of Sao Paulo –UNESP-Rio Claro-Geosciences graduate program, November 2010.

- Consultant of PETROBRAS, Brazil, Environmental Project Shallow water-Platform and the interactions with the São Francisco River. UFS/FAPESE (Nº 0050.0045002.08.4), 2009-2010.
- Professor of the international graduate course on Fluvial Morpho-dynamic, 5th RCEM International Symposium, River Coastal and Estuarine Morphodynamics, IAHE-International Association of Hydraulic Engineers, Santa Fe, Argentina, 2009 in collaboration with C. Ramonell (UNL-Argentina).
- Professor of the International Graduate course, Geomorphology and Global Change, Latin-American Symposium on Geomorphology-UGB, Belo Horizonte, Brazil, 2008, together with A. Goudie (U. Oxford), M. Thomas (Univ. Stirling) and J. Rabassa (CONICET).
- Professor, Course on Large Fluvial Systems, Geological Survey of Brazil-CPRM, Manaus, Brazil, June, 2008.
- Consultant in Fluvial Geomorphology, project Paraná-Paraguay River Navigation Effects Study, Rio Tinto mining company- North West Hydraulic Consultants-NHC to evaluate navigation viability and environmental impacts from Caceres (Brazil) to San Nicolás (Argentina), 2006-2007 and 2008-2009.
- Consultant of the International Association of Geomorphologists to assess the World Heritage nomination of Ba Be National Park, Vietnam, as solicited by the World Heritage Committee and International Union for Conservation of Nature-IUCN.
- Professor of the Specialization Graduate Course in Fluvial Environments organized by the Brazilian Oil Company PETROBRAS-Universidade Federal de Sergipe, Aracaju, Brazil, 2006.
- Executor and chair of the Geomorphologic Map of Goias State, contracted by the Goias State Agency of Geology and Mining (covering an area of ~400,000 sq.km). 2004-2005.
- Consultant of Furnas Electric Brazilian Company , Geological Survey of Brazil -CPRM and Federal University of Rondonia as expert in fluvial geomorphology and Quaternary, to analyze the impact of a planned large dam on the Madeira River and fossiliferous Quaternary deposits, 2004-2005.
- Professor of the course Dynamic of fluvial systems: applications for multidisciplinary river management. United Nations- International Atomic Energy Agency, La Paz, Bolivia, July 16-22, 2005.
- Consultant to the Secretary of Water Resources-SEMARH, Goias State, in environmental impact analysis on the Upper Araguaia basin, period: 2003-2004.
- Consultant to Organization of American States-OAS and Federal University of Sergipe, Assessment of Erosional processes on the Lower São Francisco River. 2001-2002.
- Consultant to the Environmental Agency of the Goiás State, in environmental problems related to the Araguaia-Tocantins waterway. 2001.
- Consultant to the Brazilian Geological Survey CPRM for several Projects on the Amazon Basin and the Bolivia-Brazil Zoning project, supported by Organization of American States-OAS, as a specialist in Geomorphology. 1999-2001.
- Organizer and professor of the International Curse on Indicators and Indexes Environmental Quality, UFG-UEG, supported by European Union Latin. American Network on Environmental Assessment and Management- ELANEM Project, Goiás, Brazil.

- Consultant to Federal Brazilian Institute for the Environment and Ministry of the environment- IBAMA on water resources, preparation of the project Ecological Corridors in the Araguaia-Bananal fluvial System. 2000.
- Scientific and administrative responsible for the collaboration program between University of Modena-Italy and Federal University of Goias-Brazil-2002-2006 -.
- Consultant to the United Nations Program for the Development/UNPD, Projects in the Amazon Region such as "Socio-economic and Ecologic Zoning of Rondonia State" and "Socio Economic and Ecologic Zoning of the Mato Grosso State", from 1995 to 1998 as a specialist in Geomorphology. Budget: more than 25 million dollars each project.
- PI and delegate of the Federal University of Acre Fed. BETA network, Alfa Program European Community,1995-1998. (Universities of Italy, Spain, Mexico, Netherlands, Argentina, Brazil, Chile and Cuba)
- Consultant on environmental problems and planning in Extractive Reserves, Southwestern Amazonia, Acre state. Technologic Foundation of Acre State - FUNTAC. 1996.
- PI and delegate of the Federal University of Acre Fed. Alfa Program European Community ERLAND network, 1994-1998 (Universities of UK, France, Finland, Ecuador, Brazil and Peru)
- Representative of the Federal University of Amazonas, Brazil- UFAM – Consulate of Venezuela – Elaboration of projects and academic bi-national agreements, Venezuela , July/August , 1992.

MEMBER OF EDITORIAL BOARDS

- *Journal of Geography and Natural Disasters (2012-ongoing)*
- *Alpine and Mediterranean Quaternary (2011-ongoing)*
- *Latin American Journal of Sedimentology and Basin Analysis (2006-ongoing)*
- *Paleoecology of Africa (2005-ongoing)*
- *Geomorphology (2001-ongoing)*
- *Revista Brasileira de Geomorfologia (1998-ongoing)*

REVIEWER OF MANUSCRIPTS

Geomorphology; Earth Surface Processes and Landforms; Journal of Geophysical Research - Earth Surface, Quaternary International; Quaternary Research; Quaternary Science Review; Annals of the Association of American Geographers; Progress in Physical Geography; Sedimentology; Sedimentary Geology; Geoarcheology; Journal of South American Earth Sciences; Palaeogeography Palaeoecology Palaeoclimatology; Natural Hazards; Biogeochemistry; Paleoecology of Africa; Zeitchrifst fur Geomorphologie; Latin American Journal of Sedimentology and Basin Analysis; CATENA; Journal of Latin American Geography; Wetland Management and Ecology; Journal of Maps; Applied Geography; Remote Sensing and the Environment; Science of the Total Environment; International Journal of Applied Earth Observation and Geoinformation, International Journal of Sedimentary Research, Geografia Física e Dinámica Quaternaria (Italy); Revista Brasileira de Geociências; Revista Brasileira de Geomorfologia; Acta Scientiarum; Acta Amazónica;

Annals of the Academy of Sciences of Brazil; Boletim Goiano de Geografia; Caldasia; International Journal of Earth Sciences; Environmental Science & Policy; Elsevier, Wiley and Pearson Higher (reviews of book proposals in Earth Sciences,.

REVIEWER OF RESEARCH GRANTS

- *National Science Foundation-NSF*
- *National Geographic Society*
- *Swiss Science Foundations, Switzerland*
- *National Council of Research, Brazil (CNPq)*
- *CAPES- Brazil,*
- *Ministry of Science and Technology, Argentina*
- *CONICET, National Council of Research, Argentina*
- *Federal University of Parana, Brazil*

MAIN SCIENTIFIC LONG VISITS AND LONG DURATION FIELD CONFERENCES

- Visitor Researcher, Wood Hole Research Center, Falmouth, USA, February 2008.
- Visitor Researcher, Duke University, USA, April 2007 and March 2008.
- Visitor Researcher, Smithsonian, Panama, June, 2007.
- Visitor Researcher, University of Frankfurt, Department of Geography, May 2006.
- Visitor Researcher, Institute of Geomorphology and Soils, Universidad Nacional de La Plata, Argentina, from February to July 2005.
- University of Cantabria, Spain. Several short visits related to research projects from 1998 to 2005.
- Visitor Researcher, Department of Geosciences, University of Modena, Italy, December 1995 to March 1996, and several other short visits from 1999 to 2004.
- Visiting Researcher Indian Institute of Technology-IITK, Department of Geology, to do field work in the Ganges River basin in collaboration with Dr. Rajiv Sinha, Kanpur, India, December 2002.
- Visiting Researcher to University of Wollongong, Australia and participation in the GLOCOPH-FLAG-IGCP 449 Field meeting “Evidences for climate and flow-regime change in the Quaternary of Central Australia”. Organized by Dr. G. Nanson, University of Wollongong, Australia. June 28 to July 20, 2001.
- International Field Conference Mekong River 2000, with field work to Laos. IAG Large Rivers Working Group,
- Scientific visitor, University of Florida, to discuss on fluvial Geomorphology with Dr. J. Mossa, Gainesville, February, 2000.
- Visitor Researcher**,** Polish Academy of Sciences, to discuss Paleohydrology with Dr.Leszeck Starkel and Dr. Thomas Kalicki, Krakow, Poland, October, 2000.

- Yangtze River International Conference, East Normal University of China and IAG, Shanghai, China, 1999, organized by Z. Chen. Field trip along the lower and middle Yang Tse.
- Scientific visitor, University of California at Santa Barbara (UCSB), Department of Geography, to discuss aspects on the Amazon basin with Dr. Leal Mertes and Dr. Thomas Dunne, August 1998.
- Visitor Researcher, Department of Geology, Universidad Complutense de Madrid, to study the Rio Tajo in collaboration with Dr. Guillermina Garzón, Ibero-America Cooperation Program, February 1997.
- Visitor Researcher, Department of Geology, University of Turku, Finland, August/September 1995.
- Research training internship on Glacial Geomorphology and Quaternary Glaciations of Patagonia, Austral Center for Scientific Research-CONICET, Ushuaia, Tierra del Fuego, Argentina, February and March, 1989.

OTHERS REMARKABLE FIELDTRIPS RELATED TO SCIENTIFIC AND ACADEMIC ACTIVITIES.

Tierra del Fuego-Argentina (1989); IGCP Field Conferences to Bolivian Andes (1989); South Chile (1994); GLOCOPH field trips to Central Spain (1996), Japanese Alps (1998); China-Tibetan plateau and Yangtze Basin (1999 and 2006); Colombian Andes (1990 and 2010); Kursk-Russian plains, (2000); Mekong River (Laos DR), (2000); Carpathian Mountains and Vistula river basin, Poland (2000); Central Australia, (2001); Kruger National Park-South Africa (2001); Peninsular India - Deccan Plateau, (2002); Ganges River-India (2002); Northern Spain (2005); Baja California-México (2004); The Smoky Mountains-Appalachians (2008); West USA National Parks (2009); Cape Lockout-NC (2008). Congo River (R of Congo) (2013).