

Juan P. Alvez da Cruz

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INTERESTS:

Sustainable Agroecosystems: agroecology, pasture management, agroforestry;

Ecosystems: ecosystem services, functions, ecosystem restoration, ecological design;

Policy: green markets, C reduction mechanisms, livelihoods, local food and community service;

EXPERIENCE

(2012-Present): **Pasture Program Technical Coordinator** UVM, Center for Sustainable Ag.

(2007-Present): **Research Collaborator (Redesigning Agroecosystems)** UFSC/CNPq, Brazil.

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EDUCATION

- **Ph.D. Environment and Natural Resources**, University of Vermont. **2012**
Dissertation: "Livestock Management, Ecosystem Services and Sustainable Livelihoods".
- **Graduate Certificates** at Gund Institute for Ecological Economics, University of Vermont.
 - **Ecological Design. 2009.**
 - **Ecological Economics. 2008.**
<http://www.uvm.edu/~cmncmnt/commencement2008/CommencementProg2008.pdf> (p.31).
- **M.S. Plant and Soil Sciences**, University of Vermont, **2005.**
Thesis: "Irrigation, N., and Soil Amendment Effects on Pasture Forage Yield and Quality".
- **B.S. Agricultural Engineer.** Agrarian Sciences Center, Univ. Federal de Santa Catarina, **1997.**
Monography: "Aspects for the Adoption of Agroforestry Systems".
- **Real Estate Degree.** (Auctioneer). Universidad del Trabajo (UTU), Uruguay. **1991.**

FELLOWSHIPS & ASSISTANTSHIPS

1. 2012-13. Davidson Fund. UVM Center for Sustainable Agriculture.
2. 2011. "Buena Orden & Don Prudencio" Cattle Farm Fund.
3. 2010. Gund Institute for Ecological Economics Enrichment Fund.
4. 2008-2010. Graduate teaching assistantship (Rubenstein School of Environmental and Natural Resources, UVM).
5. 2008. Graduate research assistantship (Bluemoon Foundation).
6. 2007. Graduate research assistant on Payments for Ecosystem Services, Bluemoon Found.

7. 2006-2007. Graduate research assistant on MIMES (Multiscale Integrated Models of Ecosystem Services) Project, Moore Foundation.
8. 2006. Graduate research assistantship (Center for Sustainable Agriculture).
9. 2003-2005. Graduate teaching assistantship, Plant and Soils Sciences, University of Vermont. Lectured, graded and prepared laboratory for undergraduate-level courses.
10. 1996-1998. Cooperation project between UFSC and Ministry of Agriculture of Cuba. Participated in a multidisciplinary team (translating, editing and processing of data and images) project, at the "Dairy Cattle Experimental Station", UFSC, Brazil.

RESEARCH & PUBLICATIONS (Published, in review and forthcoming)

Book Chapters

1. 2013. Schmitt, A.; Farley, J.; **Alvez, Juan P.**; Alarcon, G.; May Rebollar, P.; "Integrating Agroecology with Payments for Ecosystem Services in Santa Catarina's Atlantic Forest", In: Muradian, R. & Rival, L. "Governing the provision of environmental services." Springer ISBN-978-94-007-5175-0: http://link.springer.com/chapter/10.1007/978-94-007-5176-7_17

Refereed articles

1. 2014. (Forthcoming). **Alvez, Juan P.**; Matthews, A.; Schmitt Fo. A. L.; Farley, J.; Pitton, Darci. "Avaliação de sistemas de produção leiteira através de nove indicadores de sustentabilidade". *Journal: Cadernos de Agroecologia* – ISSN 2236-7934.
2. 2013. **Alvez, Juan P.**; Schmitt F., A.; Erickson, J. D.; Farley, J.; Mendez, V. E. 2013. "Transition from semi-confinement to pasture-based dairy in Brazil: Farmers' view of economic and environmental performances". *Journal of Agroecology and Sustainable Food Systems*.
3. 2012. **Alvez, Juan P.**; Schmitt, A.; Farley, J.; Alarcon, G.; Fantini, A.C. "The Potential for Agroecosystems to Restore Ecological Corridors and Sustain Farmer Livelihoods: Evidence from Brazil". *Journal of Ecological Restoration*.
4. 2011. Surdi, J., Schmitt Filho, A., Farley, J., **Alvez, J. P.**, & Satschumi, H. (2011). O fluxo de serviços ecossistêmicos na agricultura familiar da Encosta da Serra Catarinense (The flow of ecosystem services in family farming of the Encosta da Serra Catarinense). *Journal Cadernos de Agroecologia*. 6(2), 1-6.
5. 2011. Farley, J.; Schmitt, A.; **Alvez, Juan P.**; Ribeiro de Freitas, N. "How Valuing Nature Can Transform Agriculture". *Solutions Journal*, V.2, pp. 64-73, 2011. Online at: <http://www.thesolutionsjournal.com/node/1014>
6. 2011. **Alvez, Juan P.** & Matthews, A.; Schmitt, A.; Farley, J. "Sustainability indicators for cattle farms". *Journal: Cadernos de Agroecologia*. V. 6, n. 1. ISSN: 2236-7934.
7. 2010. Farley, J., Schmitt F. A., **Alvez, Juan P.**, Rebollar, P. M. "The farmer's viewpoint: Payments for ecosystem services and agroecologic pasture based dairy production." *Advances in Animal Biosciences* (2010) 1: 490-491.

Online: <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=7922204>

8. 2009. Da Ros, J., Schmitt F., A., Meurer, F., Farley, J., **Alvez, Juan P.** & Alves, G. 2009. "Farmers Perception about Brazilian Environmental Laws". *Journal: Revista Brasileira de Agroecologia*, v. 4, n. 1. p. 4544-4548. ISSN: 2236-7934.
9. 2009. Maurer, F., Schmitt, A., Farley, J., **Alvez, J.**, Oldra, A., DaRolt, L., & Francisco, F. (2009). Serviços Ambientais e a Produção de Leite sob Pastoreio Voisin na Agricultura Familiar: Ativos Ambientais que Devem ser Considerados. *Revista Brasileira de Agroecologia*, V. 4, n. 2, 3830-3834. ISSN: 2236-7934.

In Preparation

10. **Alvez, Juan P.**; Erickson, J. D.; Farley, J.; Schmitt F., A.; "Livestock Management, Ecosystem Services and Sustainable Livelihoods".
1. **Alvez, J. P.**; Matthews, A.; Erickson, J. D.; Mendez, V. E. "Dairy management systems comparison across sustainability indicators".
2. **Alvez, Juan P.** and Murphy, W. "Irrigation, Nitrogen, and Soil Amendment Effects on Pasture Forage Yield and Quality". *Journal: Renewal Agriculture and Food Systems*.
3. **Alvez, J. P.**; Matthews, A.; Mudge, K., Shiitake (*Lentinus edodes*) and human health.
4. Shiki, S., Rodrigues, L., **Alvez, J. P.**, Jimenez, R., Alon, H., Ferro, J, Farley, J. and Aquino, A. "Payments for Ecosystem Services: A National Policy for Brazil". *Journal: Ecological Economics*.
5. **Alvez, J. P.**, "Payment for Ecosystem Services and Ecological Taxation versus Agricultural Subsidies as a Policy Instrument". *Potential Journal: Ecol. Economics*.

Articles for general audiences and non-refereed papers

1. 2014. Socialize With Cows to Promote Soil Fertility. onpasture.com.
2. 2014. Batt-Latch: "Set it and forget it!"
3. 2014. Pasture Management: Rhizobia and Nitrogen
4. 2014. Forages: perennial or annual and what species are better? VT Pasture Network.
5. 2014. Ecosystem Services: Consider Wildlife Habitat for Higher Productivity. VT Pasture Network. <http://blog.uvm.edu/pasture-vtpasture/2014/01/10/ecosystem-services-consider-wildlife-habitat-for-higher-productivity/>
6. 2013. Socialize With Cows to Promote Soil Fertility. VT Pasture Network. <http://blog.uvm.edu/pasture-vtpasture/2013/11/25/73/>
7. 2013. Animal Behavior: Avoiding Grazing Selectivity. VT Pasture Network. <http://blog.uvm.edu/pasture-vtpasture/2013/11/18/animal-behavior-avoiding-grazing-selectivity/>
8. 2013. Agroforestry: trees, bushes, crops and intensive grazing. NODPA, VT.
9. 2012. "Optimizing animal welfare in bedded pack barns". Pasture Improvement Tools. (*Factsheet*). <http://www.uvm.edu/~susagctr/resources/BeddedPack313.pdf>
10. 2012. "Pasture Management and Soil Conservation". Pasture Improvement Tools. (*Factsheet*). <http://www.uvm.edu/~susagctr/resources/SoilFS02.pdf>
11. 2012. "Pasture Management and Water Quality". Pasture Improvement Tools. (*Factsheet*). <http://www.uvm.edu/~susagctr/resources/WaterQualityFS030413.pdf>

12. 2012. "Why Management-intensive grazing? Our animals are already on grass". Pasture Improvement Tools. (*Factsheet*). <http://www.uvm.edu/~susagctr/resources/MIGV3.pdf>
13. 2012. "Agroforestry Systems". Pasture Improvement Tools. (*Factsheet*). <http://www.uvm.edu/~susagctr/resources/AgroforestryV3.pdf>
14. 2012. Bishopp, T., Wagner, R., **Alvez, Juan P.** "Pasture walk lesson: Healthy pastures make healthy herds". Lancaster Farming. Northern Edition, 09/29/2012. On-line: http://www.lancasterfarming.com/news/northeedition/Pasture-Walk-Lesson--Healthy-Pastures-Make-Healthy-Herds-#.UI6QA8XA_wk
15. 2012. Bishopp, T., Wagner, R., **Alvez, Juan P.** "Healthy Pastures = Healthy Herds and Happy Farmers". Country Folks West. Section A, 10/01. On line: <http://issuu.com/leepublications/docs/cw-121001>
16. 2011. Farley, J., Schmitt F^o. A., **Alvez, Juan P.** Ribeiro de Freitas, N. 2011. Ecosystem Services, Agriculture and Economic Institutions. Mountain Ski Group Articles. <http://www.mountainskiygroup2011.org/articles/Farley.Ecosystem.services.agriculture.and.economic.pdf>
17. 2009. [Matthews, A.](#), **Alvez, Juan P.**, Cooper, C., Kestenbaum, D., Purchase N. "Dairy Stewardship Alliance: Sustainability Indicators for Dairy Farms". UVM-Center for Sust. Agriculture. Online: <http://www.uvm.edu/sustainableagriculture/Documents/DSA2010.pdf>
18. 2010. **Alvez, Juan P.** "Managed grasslands can help reducing greenhouse gas emissions improve economic outcomes and enhance rural communities". Sale Feed Magazine. Beijing, China.

GRANTS & PROJECT PARTICIPATION

1. 2014. "Tools for grass farmers to monitor grazing behavior and forage utilization in real time". SARE Partnerships. (*Funded*).
2. 2013. MIG/Mob Comparison" SARE. (*Not funded*).
3. 2013. "Biodiversity and cattle well-being: Forage diversity, microbial diversity, herd health, and milk composition". UVM REACH Grant. (*Funded*)
4. 2012. "Teaching Livestock to Eat Weeds". SARE (*Funded*)
5. 2012. "MIG/Mob Comparison" SARE (accepted for full submission 2013)
6. 2011. "Land Use, Biodiversity, Ecosystem Services, and Human Health in the Brazilian Atlantic Forest." Collaborative Faculty Funds Gund Institute, Farley and others. (*Funded*, 2012).
7. 2010. Research Assistant at the University of Vermont, Center for Sustainable Agriculture and Cornell University Forest Management and Shiitake Mushroom Project.
8. 2009-2012. "Agroecology and Payments for Ecosystem Services in Santa Catarina (Brazil) Atlantic Forest". P.I. Abdon Schmitt Fo.; John Winsten; Juan P. Alvez; Joshua Farley; Gisele Alarcon; Alfredo Fantini. (*Funded UVM/GIEE*).
9. 2008-2010. "Avaliação dos serviços ecossistemicos decorrentes da implementação da produção agroecológica de leite sob Pastoreio Voisin nas propriedades familiares de Santa Catarina". P.I.: Abdon Schmitt Fo.; Felipe Giassi Maurer; Juan P. Alvez; Joshua Farley; Gisele Alarcon; Alfredo Fantini. (*Funded UVM/GIEE*).
10. 2008. SARE. Cow-tractor as a tool for winter grazing in small farms. Co-P.I. (Not funded)

11. 2007-2012. “O Voisin Silvipastoril: Desenhando sistemas silvipastoris regeneradores das funções e serviços ecossistêmicos”. P.I. Abdon Schmitt Fo.; Fabian Busnard; Rafael Ruschel; Felipe Francisco; Juan P. Alvez; Joshua Farley, Marcelo Warmling; (*Funded, UVM ARLG and GIEE*)
12. 2007-2010. “Programa de Fortalecimento da Agricultura Familiar através da Produção Ecológica inserida nos Processos de Recuperação Ambiental e Gestão da Paisagem”. P.I. Abdon Schmitt Fo.; Fabian Busnard; Flavia Lapa; Felipe Francisco; Juan P. Alvez; Joshua Farley; Glaco Sell. (*Funded, Figueirense Football Club & Ministry for Ag. Development*)
13. 2007. Compton Foundation/PRB International Fellows. Human Activities Driving Land Use Change in the Mogi-Pardo Watershed, São Paulo, Brazil. Principal Investigator. (Not funded)
14. 2007. NRCS, Conservation Innovation Grant. Winter Grazing technologies and bedded pack. Grazing Specialist, (*Funded*).
15. 2007. “Payments for Ecosystem Services: From local to Global”. Project and Workshop in Costa Rica (Co-organizer, presenter). Funded by Bluemoon Foundation, (*Funded*).
16. 2006-2007. MIMES Project (Multiscale Integrated Models of Ecosystem Services). Funded by the Moore Foundation (*Funded*).
17. 2005-2006. USDA-Sustainable Agriculture Research and Education Research Project on “Sustainable Indicators for Dairy Farms”. UVM Ctr. for Sust. Agriculture, (*Funded*).

CONFERENCE PROCEEDINGS, SHORT PAPERS and POSTERS (Participation “P”; Attended “A”)

1. 2014 (A) “Grasstravaganza” Grazing and soil health conference. Morrisville, NY.
2. 2014 (A) “Northeast Pasture Consortium. Penn State. State College, PA.
3. 2014 (A) “6 Annual Winter Green Up Grass-Fed Grazing Conference”, Lathan, NY.
4. 2014 (A) “2 Northeast Silvopasture Conference”, Lathan, NY.
5. 2014. (P) Schmitt F., Abdon L, **Juan P Alvez**, Joshua Farley, Jociel R Surdi, Alfredo Fantine Gisele Alarcon. “Provisión de servicios ambientales y ganadería sobre pasturas: Desde una propuesta local hacia un programa estatal para el sur de Brasil”. 2nd International Conference of the Mesoamerican Society for Ecological Economics. Costa Rica.
6. 2013. (P) **Alvez, Juan P.**; Matthews, A.; Schmitt Filho A.L.; Farley, J; “Manejo animal e indicadores de sustentabilidade em Vermont, USA”. 8th Congresso Brasileiro de Agroecologia. Porto Alegre, Brazil.
7. 2013. (P) Nascimento, A.; Schmitt Filho A.L.; Fantine, A.; Farley, J; **Alvez, Juan P.**; Trevizan, A.; Pitton, D. “Zonificación Ambiental de las Pequeñas Fincas Familiares Localizadas en el Bioma Mata Atlántica: Impacto de la Legislación Ambiental en Tierras Agrícolas”. Sociedad Científica Latinoamericana de Agroecología (SOCLA), Peru.
8. 2013. (P) Roman, J.; Schmitt, A.; **Alvez, Juan P.** “Biodiversidad y Ecología de las Enfermedades en Sistemas Ganaderos”. Sociedad Científica Latinoamericana de Agroecología (SOCLA), Peru.

9. 2013. (P) Ruschel, Schmitt, A.; **Alvez, Juan P.**, Fantini, A. and Farley, J. "Voisin silvopastoril: Percepción de los productores lecheros de la capital agroecologica de Santa Catarina", Brasil. Sociedad Cientifica Latinoamericana de Agroecologia (SOCLA), Peru.
10. 2013. (P&A) **Alvez, Juan P.** and Ivancic, K. "Impacts of the Agricultural Boom on Uruguay's ecosystem services". 7th Biennial US Society of Ecological Economics, Burlington VT.
11. 2013. (P&A) Schmitt, A.; **Alvez, Juan P.**; Farley, J.; Claro, J.; Farr, M.; Castelo Branco, B. A. Panel Topics:
 - a) "Agroecology, Farmer Livelihoods and Ecosystem Restoration in Santa Catarina".
 - b) "Vermont sustainable Jobs Fund: Moving Toward Sustainable Agriculture in Vermont".
 - c) "Unacceptable Trade-Offs: The Conflict between Food Security & Ecosystems Health".US Society of Ecological Economics, Burlington VT. 7th Biennial US Society of Ecological Economics, Burlington VT. 7th Biennial US Society of Ecological Economics, Burlington VT.
12. 2013. (P&A) **Alvez, Juan P.**; Erickson, J.; Farley, J.; Schmitt, A. "Dairy and Sustainability". 2013 Northeast Pasture Consortium Annual Conference & Meeting. Manchester, NH.
13. 2013. (P&A) **Alvez, Juan P.**, Colby, J. and Gilker, R. "Bedded Pack Systems: Managing Time, Nutrients and Costs". "17 Annual VT Grazing & Livestock Conference", Fairlee, VT.
14. 2012. (P&A) **Alvez, Juan P.**; Matthew, A.; Erickson, J.; Farley, J.; Schmitt, A. "Dairy and Sustainability", 5th National Grazing Lands Conference Proceedings. Orlando, Florida. <https://www.uvm.edu/~susagctr/whatwedo/projectsresearch/DairySustainability.pdf>
15. 2012. (P&A) Alvez, Juan P. Agroecosistemas y Conservacion. Segundas Jornadas de Economia Ecologica. SEEU. Montevideo, Uruguay. (Video conference).
16. 2012. Matthews, A. and **Alvez, Juan P.** "Sustainability Indicators for Low Carbon Farming". In: 'Tackling the Future Challenges of Organic Animal Husbandry'. Gerold Rahmann And Denise Godinho (Editors). 2nd Organic Animal Husbandry Conference Hamburg, Trenthorst, 12-14 September, 2012
http://www.valacta.com/FR/services/Documents/Le%20Savoir%20laitier%20bio%20-%20articles/2nd_IFOAM_OAHC_2012_proceeding.pdf#page=36
17. 2012. (P) Farley, J., Schmitt, A. **Alvez, Juan P.**, Alarcon, G.; May-Rebollar, P. "Financing Agroecology in Brazil and the World". (NOTE: Farley is listed as first author in the conference proceedings, but Alvez created the poster) 12th Biennial Conf. of the International Society for Ecological Economics and RIO +20. *Contributions and Challenges for a Green Economy*.
18. 2012. (P) **Alvez, Juan P.**; Mathews, A.; Erickson, J.; Farley, J.; Schmitt, A.; Boumans, R.; Mendez, V. E. "Dairy management, Ecosystem Services and Sustainable Livelihoods". International Society of Ecological Economics. Rio de Janeiro, Brazil.
19. 2012. (P&A) **Alvez, Juan P.**; Mathews, A.; Erickson, J.; Farley, J.; Schmitt, A.; Boumans, R.; Mendez, V. E. "Dairy management, Ecosystem Services and Sustainable Livelihoods". Grad Student Research Day. University of Vermont.

20. 2012. (P&A) **Alvez, Juan P.**, Matthews, A., Erickson, J., Farley, J., Schmitt, A., Boumans, R., Mendez, V. "Dairy management, ecosystem services and sustainable livelihoods". NOFA-VT Conference, Davis Canter, University of Vermont.
21. 2011. (P) Schmitt, A.; Farley, J.; **Alvez, Juan P.** Congresso Brasileiro de Sistemas Agroflorestais. Fortaleza Ceará.
22. 2011. (P&A) **Alvez, Juan P. &** Matthews, A.; Schmitt, A.; Farley, J. "Sustainability indicators for cattle farms". First Pan-American Meeting on Agroecological Pasture Management: Voisin Grazing in the Americas". Chapeco, SC Brazil. Online: <http://www.aba-agroecologia.org.br/ojs2/index.php/cad/article/view/12728/7016>
23. 2011. (P) Surdi, J., Schmitt Filho, A., Farley, J., **Alvez, J. P.**, & Satschumi, H. (2011). O fluxo de serviços ecossistêmicos na agricultura familiar da Encosta da Serra Catarinense (The flow of ecosystem services in family farming of the Encosta da Serra Catarinense). Cadernos de Agroecologia. Resumos do I Encontro Pan-Americano sobre Manejo Agroecológico de Pastagens, Chapecó, SC, Brazil. 6(2), 1-6.
24. 2011. (P) **Alvez, Juan P.**; Matthews, A., Schmitt, A.; Farley, J. "Sustainability indicators of dairy production in Vermont, US" Indicadores de sustentabilidade da produção leiteira no estado de Vermont", EUA. 7th Brazilian Conference on Agroecology, Fortaleza, CE. Brazil (oral presentation).
25. 2011. (P) Surdi, J.; Schmitt F^o, A.; Farley, J., **Alvez, Juan P.**; Sá Tschumi, H. "The flow of ecosystem services in family dairy farms at the Encosta da Serra Catarinense", 7th Brazilian Conference on Agroecology, Fortaleza, CE. Brazil
26. 2011. (P) **Alvez, Juan P.**; Schmitt, A.; Farley, J. Farmers' "Perception about Voisin Management Intensive Grazing and Ecosystem Services". Society for Range Management. 64th annual Meeting, Billings Montana (oral presentation). <http://www.rangelands.org/billings2011/pdf/SRM%202011%20abstracts%20title%20index.pdf>
27. 2011. (P) Ruschel, R.; Schmitt F, A., Farley, J. ; **Alvez, Juan P.** A extensão universitária participando do redesenho dos processos produtivos na agricultura familiar catarinense: a viabilização de sistemas silvipastoris. XI Congresso Iberoamericano de Extension Universitaria. Santa Fe, Argentina. Online: http://www.unl.edu.ar/iberoextension/archivos/programa_detallado.pdf
28. 2011. (P) Warmiling, M. ; Schmitt, A. L. ; Farley, J. ; **Alvez da Cruz, J. P.** ; Surdi, J.R. "Flow of ecosystems services and grass based dairy production: The farmer s perception". In: International Symposium: Grasslands in a Global Context. Kansas State University, 2011, Manhattan, KS, USA. Proceedings of International Symposium: Grasslands in a Global Context. Manhattan, KS : Kansas State University, 2011. v. 1.
29. 2011. (P) Surdi, J.; Schmitt, A.; Warmiling, M.; **Alvez, Juan P.** Sistemas de produção de leite sendo redesenhados pela Extensão universitária: o Grupo de Pastoreio Voisin da Universidade Federal de Santa Catarina" XI Congresso Iberoamericano de Ext. Univ. Santa Fe, Argentina. Online: http://www.unl.edu.ar/iberoextension/archivos/programa_detallado.pdf
30. 2010. (P) Farley J., Schmitt F. A., **Alvez, Juan P.**, Rebola, Paola M. "The farmer's viewpoint: Payment for ecosystem services and agroecologic pasture based dairy production". Sustainable Animal Production in the Tropics. Guadaloupe, FR. Online at: <https://colloque.inra.fr/sapt2010/Programme-et-exposes/Programme-et-exposes/Session3>

31. 2010. (P&A) Farley, J., Schmitt, A. L., **Alvez, Juan P.** "Payments for ecosystem services and Agroecology in Brazil's Subtropical Atlantic Forest". 2010 SWCS Annual Conference in St. Louis, Missouri. (Oral presentation). Online at: http://www.swcs.org/documents/filelibrary/10ac/2010_Annual_Conference_Final_Progra_5A026667C39BA.pdf
32. 2010. (P&A) Schmitt, A. L.; Maurer, Giassi, F.; Farley, J.; **Alvez da Cruz, J. P.** ; Alves, G. V. Environmental services and pasture based milk production: assets that need to be further accounted .. In: 63nd Society for Range Management Annual Meeting. February 7-11. www.rangelands.org/denver2010/index.shtml, 2010, Denver CO USA. Proceedings of 63nd Society for Range Management Annual Meeting.. Wheat Ridge, CO : Society for Range Management/ Allen Press, Inc, 2010. v. 1. p. O-26.
33. 2010. (P) Ros, J. L. ; Schmitt Filho, A. L.; Rushel, R. ; Farley, J. ; **Alvez da Cruz, J. P.** "Farmers Perception about Brazilian Environmental Laws". In: 63nd Society for Range Management Annual Meeting. February 7-11. www.rangelands.org/denver2010/index.shtml, Denver, CO USA. Proceedings of 63nd Society for Range Management Annual Meeting.. Wheat Ridge, CO : Society for Range Management/ Allen Press, Inc., 2010. v. 1. p. O-127.
34. 2010. (P&A) Schmitt, A. L., Farley, J., **Alvez, Juan P.** "Farmers' perception about Ecosystems Services and pasture based milk production". 2010 SWCS Annual Conference in St. Louis, Missouri. (Oral presentation). Online at: http://www.swcs.org/documents/filelibrary/10ac/2010_Annual_Conference_Final_Progra_5A026667C39BA.pdf
35. 2009. (P&A) Matthews, A., **Alvez, da Cruz Juan P.**, Cooper, C., Kestembaum, D., Purchase, N. "Low Carbon Farming: Sustainability Indicators from the Dairy Stewardship Alliance". ASAS (American Association of Animal Sciences)-CAAV (Chinese Association of Animal Sciences and Veterinary Medicine) Asia and Pacific Rim Animal Science Conference. Nov. 8-10, Beijing, China. On-line: <http://www.asas.org/pacificrim09/ASASCAAV-2009-AbstractBook.pdf>
36. 2009. (P) Schmitt, F. A.; Busnard, F.; Nascimento, A. L.; Ros, J. L. ; Bach, F.; Alves, G. V.; **Alvez, Juan P.** "Development of participative methodology responsible for 632 grass based agroecologic dairy projects planned and implemented by undergraduate students on rangelands of Santa Catarina, Brazil". In: of 62nd Society for Range Management Annual Meeting. Albuquerque NM USA. February 8-12, 2009, Albuquerque NM USA. Proceedings of 62nd Society for Range Management Annual Meeting. Tempe, AZ USA : Consortium for Science, Policy and Outcomes, Arizona State University, 2009. v. 1. Online: http://www.srmmeetings.org/pdf_Abstracts/tech30_economicsSociology/30_8.pdf
37. (P) 2009. da Ros, J., Schmitt F., A., Meurer, F., Farley, J., **Alvez, Juan P.** & Alves, G. "Farmers Perception about Brazilian Environmental Laws". In: VI Congresso Brasileiro de Agroecologia e II Congresso Latinoamericano de Agroecologia. De 9-12 novembro., 2009, Curitiba PR. Anais do VI Congresso Brasileiro de Agroecologia e II Congresso Latinoamericano de Agroecologia. Porto Alegre RS : Revista Brasileira de Agroecologia, Editora da UFRG, 2009. v. 4, n. 1, p. 4544-4548. On line: <http://www6.ufrgs.br/seeragroecologia/ojs/viewarticle.php?id=4200>
38. (P) 2009. Meurer, F., Schmitt F. A., Farley, J., **Alvez, Juan P.**, Oldra, A., Francisco, F. "Environmental services and pasture based milk production: assets that need to be further accounted". VI Congresso Brasileiro de Agroecologia, II Congresso Latinoamericano de Agroecologia. Curitiba, Brazil. (Oral presentation). <http://www.aba-agroecologia.org.br/ojs2/index.php/cad/article/view/4909>

39. 2009. (P) Bauer, E., A.L. Schmitt F., J. Epping e **Alvez, Juan P.** “Produção de Leite na Grande Florianópolis: Percepção dos Agricultores Familiares sobre a Transição do Sistema Convencional para o Pastoreio Voisin.” VI Congresso Brasileiro de Agroecologia, II Congresso Latinoamericano de Agroecologia. Curitiba, Brazil. (Oral presentation).
40. 2007. (P&A) “Payments for Ecosystem Services: From local to Global”. International Conference and Workshop in Costa Rica.
41. 2007. (P&A) Heredia Declaration of Payments for Ecosystem Services. University of Vermont
42. 2005. (P&A) **Alvez, Juan P.** & Murphy, W. Graduate Research Day: “Irrigation, Nitrogen, and Soil Amendment Effects on Pasture Forage Yield and Quality. Final results”.
43. 2004. (P&A) **Alvez, Juan P.** & Murphy, W. Graduate Research Day: “Irrigation, Nitrogen, and Soil Amendment Effects on Pasture Forage Yield and Quality. Preliminary results”.

OTHER INVITED PRESENTATIONS (G.L.: guest lectures, C.: courses, P: presentation, W.: workshops and R.T.: roundtables)

1. 2014. (P) NRCS, Agroforestry, Silvopasture and Riparian Buffer Flash Grazing. Colchester
2. 2014. (L) “Conventional vs. Sustainable Agriculture and Ecosystem Services”. Environmental Conflict Resolution. Saint Michael’s College.
3. 2014. (L) “Women in Sustainable Agriculture and Development”. Saint Michael’s College.
4. 2014. (L) “Agroecosystems”. Introduction to Environmental Studies. Saint Michael’s College.
5. 2014. (L) “Place Based Environmental Study (ENP 300)”. Champlain College.
6. 2014. (L) “Agriculture and Biotechnology”. ENP 250: Environmental Policy and Globalization”. Champlain College.
7. 2013. (W) 6 Bedded Packs Workshops in Sheldon (2), Middlebury, White River Jct., Rutland and St. Johnsbury.
8. 2013. (L) Sustainable Agriculture presentation. Saint Michael’s College.
9. 2013. (W) Youth IDA. UVM Center for Sust. Agriculture, Extension, at Osprey Hill Farm, Middlesex, VT.
10. 2013. (P) “Agroecology, Farmer Livelihoods and Ecosystem Restoration in Santa Catarina”. 7th Biennial U.S. Society of Ecological Economics, Burlington VT.
11. 2013. (P) “Biodiversity and Livestock Wellbeing” (NR 385 Atelier), Instructor: Dr. Joe Roman. RSENR, University of Vermont. (W)
12. 2013. (L) “The Role of Women in Agriculture”. Instructor: Dr. Anjanette DeCarlo. Dept. of Environmental Sciences Saint Michaels College, VT. (G.L.)
13. 2013. (L) “Agriculture, Environment and Conflict Resolution”. Instructor: Dr. Anjanette DeCarlo. Dept. of Environmental Sciences, St. Michaels College, VT. (G.L.)
14. 2013. (L) Conv. Agriculture: Problems and Potential Solutions”. Instructor: Dr. Anjanette DeCarlo. Dept. of Environmental Sciences, St. Michaels College, VT. (G.L.)

15. 2013. (P) "Bedded Pack Systems: Managing Time, Nutrients and Costs". "17 Annual VT Grazing & Livestock Conference", Fairlee, VT. (G.L.)
16. 2012. (L) "The role of agroecology in a changing environment". Instructor: Dr. Anjanette DeCarlo. Dept. of Environmental Sciences, Saint Michaels College. (G.L.)
17. 2012. (L) "Pasture management and ecosystem services". Instructor: Katie Goodall. Dept. of Plant and Soil Sciences, University of Vermont. (G.L.)
18. 2012. (L) "Grazing, agroecosystems and sustainable livelihoods". Instructor: Katlyin Morris. Dept. of Plant and Soil Sciences, University of Vermont. (G.L.)
19. 2011. "Change and Resilience in Vermont Food Systems: Research and the implementation of the Farm-to-Plate Strategic Plan". The Center for research on Vermont. Bilingsgs North Lounge, University of Vermont. (G.L.)
20. 2011. (P) "First Pan-American Meeting on Agroecological Pasture Management: Voisin Grazing in the Americas". Chapeco, SC Brazil. Roundtable on grazing in different biomes. (R.T.)
21. 2011. (P) "Hispanic folklore: history, traditions and current trends: the case of Uruguay". Department of Romance Languages, University of Vermont. (G.L.)
22. 2010. (L) Ecosystem management and its effects on ecosystem services and human wellbeing. Community College of Vermont. (G.L.)
23. 2009. (P) Fundamentals of Management Intensive Grazing. "XI International Agroecology Short Course". Burlington VT (Oral presentation). (G.L.)
24. 2009. (P) "Low Carbon Farming: Sustainability Indicators from the Dairy Stewardship Alliance in Vermont". ASAS-CAAV (American Association of Animal Sciences) (Chinese Association of Animal Sciences and Veterinary Medicine) Asia and Pacific Rim Animal Science Conference. Beijing, China.
25. 2009. (L) "Livestock Integration in Agroecosystems". Agroecology Class. UVM. (G.L.)
26. 2009. "Ecosystem Services: Ecological Economic Aspects". Community College of VT. (G.L.)
27. 2008. (P) "Ecosystems Services, Payments for Ecosystems Services (Case Study: Costa Rica)" at Green Mountain College, Poultney, VT. (G.L.)
28. 2008. (P) Presentation at the "XII International Conference of Environmental Law". Organized by OAS and Fundação Um Planeta Verde. Sao Paulo-Brazil. (R.T.)
29. 2008. (L) "Ecosystems Services, Payments for Ecosystems Services and Responsible Consumption" presented at the University of São Jose Brazil. (G.L.)
30. 2008. (L) Current Economic Paradigm and its effects on Ecosystems Services. Community College of Vermont. (G.L.)
31. 2007. (P) University of Vermont & Winrock International. "Management Intensive Grazing".
32. 2007. (P) "Payments for Ecosystem Services: From local to Global". International Conference and Workshop in Costa Rica (W).

33. 2006. (P) "Irrigation, Nitrogen, and Soil Amendment Effects on Pasture Forage Yield and Quality". Invitation to the VT Grazing Conference, Randolph, VT. (G.L.)
34. 2006-2013. (P) Latin America and Uruguay culture talks at VT Schools. (G.L.)

INTERVIEWS

1. 2014. "Researching Best Practices for Grazing Farms". Country Folks Magazine. <http://countryfolks.com/researching-best-practices-for-grazing-farms/>
2. 2013. Bedded Pack Systems in Vermont. Across the Fence/WCAX. University of Vermont.
3. 2011. Gund Institute Channel, on Youtube at: <http://youtu.be/eQhFmWC63Vc>
4. 2008. TV Interview at the Legislative Assembly State of Santa Catarina on "current pressing environmental issues". Florianopolis, SC-Brazil.

EXPERIENCE & SKILLS

TEACHING (Academic)

1. 2014. Co-instructor, "Livestock Management Systems". Sterling College, VT. Co-Instructor with Dr. Louise Calderwood and Jenn Colby.
2. 2013. Invited co-instructor, Sterling College. "Livestock Management Systems". Co-Instructor with Jenn Colby.
3. 2010. Invited co-instructor. Agroforestry and Permaculture course in Ometepe, Nicaragua.
4. 2009. University of Vermont. "Restoring Ecosystem Services Across Landscapes" co-instructor with Prof. Roel Boumans (PhD); Report: "Charlotte Park & Wildlife Refuge: Land Use Proposals".
5. 2008. University of Vermont. "Sustainable Food Production" (NR 378) co-instructor with Prof. Roel Boumans (PhD).

TEACHING ASSISTANT

1. 2010. ENSC 001. Introduction to Environmental Sciences at the University of Vermont.
2. 2010. NR 205. Ecosystem Management at the University of Vermont.
3. 2009. WFB 272. Wildlife and Wetland Ecology at the University of Vermont.
4. 2008. NR 001. Natural History and Field Ecology (NR1) at the University of Vermont
5. 2004-2006. Graduate Teaching Assistant (Permaculture, Agroecology, Ecological Agriculture, Seminars in Ecological Agriculture, Organic Food Production and Plant Propagation), Department of Plant and Soil Science, University of Vermont.

APPRENTICESHIPS, SHORT COURSES AND COMMUNITY EVENTS

1. 2013. RIOS (Resource Investment Optimization System) NatCap Project. 06/12 at the 7 Biennial USSEE Conference.
2. 2013. inVEST (Integrated Valuation of Environmental Services and Trade-offs), NatCap Project. 06/12-13 at the 7 Biennial USSEE Conference.
3. 2009. Urban Conservation Initiatives: Rain garden installation. Winooski Natural Resources Conservation District, VT. http://vacd.org/winooski/winooski_raingarden.shtml

4. 2008. Grant writing (PBIO 300) with Prof. Jane Molofsky at UVM
5. 2005. Responsible consumption program "Free Box". The University of Vermont.
6. 1999. Permaculture: "Methodologies for Harmonic Communities", with Dr. José Lutzemberger and N. Zealander Robina McCurdy. Rincão Gaia. RS, Brazil.
7. 1998. Apple harvest in high-density system, Agua Doce, Brazil.
8. 1998. Rice harvest in pre-germinated system, Araranguá, Brazil.
9. 1997. Agroforestry systems, 40-day internship for B.S. thesis. Parana, Brazil.
10. 1995. Organic residues testing "Californian Red Worms", UFSC, Brazil.
11. 1994. Lived in a small community of farmers in the Atlantic Forest, Brazil.
12. 1993-1998. Attended several courses, meetings and conferences in Agriculture, Zootechny and livestock production. Information upon request.

SUPERVISION

1. 2014. Jimmy Aruzamen, MD Vet. In project: "Tools for grass farmers to monitor grazing behavior and forage utilization in real time".
2. 2009. Felipe Giassi. Majoring in Agronomy. Federal University of Santa Catarina, Brazil.
3. 2008. Alan Rizzoli, MBA Student at West University of Santa Catarina, Brazil.

LANGUAGES and OTHER SKILLS

1. Fluency in Spanish, Portuguese and English. Reads and understand Italian.
2. Multiculturalism. I have lived and traveled in three countries: Uruguay (native), Brazil (10+ years), USA (10 years). I have traveled to Costa Rica, Canada and China. I am knowledgeable of the Latin American Culture.
3. PC: Windows, MS Office, intermediate GIS knowledge, GPS, Internet, FTP, Image Managing/Scanner. X-Mind, Voice over IP phone. Light experience with Apple Macintosh computers and as a Webmaster.

MEMBER / REVIEWER

1. 2014. Reviewer Journal of Agriculture Science and Technology (A&B). David Publishing, California.
2. 2012-present. Member of the scientific group Redesigning Agroecosystems at CNPq (Brazilian National Research Institution). Brazil.
3. 2006-2012. Gund Graduate Fellow, Gund Institute for Ecological Economics. University of Vermont.
4. 2010-present. Member of the Editorial Committee of "Journal Ambiente y Desarrollo". Inst. Estudios Amb. para el Desarrollo, Pontifica Univ. Javeriana.
5. 2009-present. Voisin Grazing Group, Universidade Federal de Santa Catarina, Brazil.

CONSULTANT (Non-Academic / Industry)

1. 2013. Consulted with a Uruguayan livestock farmer about intensive sheep farming, a lamb producing enterprise.

2. 2011. “La Lu Farm at Lincoln Gap”, Warren, VT. Developed a farm business and natural resource management plan, a website and a farm logo and helped in the farm.
3. 2010. Center for Sustainable Agriculture. Shiitake Mushroom Project.
4. 2010. Population Media Center. Translation of materials from Portuguese to English.
5. 2009. Assisted creating an e-learning module for IADB and SSG-Advisors, interpreting and translating technical documents of public private partnership and international community development.
6. 2008. Scripted and assisted editing a video on Management Intensive Grazing. UVM/Winrock International.
7. 2007. Developed and edited GIS maps for the Missisquoi Watershed identifying grazing, conventional and confinement dairy farms for UVM/Winrock International.
8. 2006. Center for Sustainable Agriculture. Worked for the Dairy Stewardship Alliance, Ben & Jerry’s and Saint Albans Coop & Creamery, interpreting, evaluating and assessing farm sustainability results through an analysis of 67 variables.
9. 2005. Translated an entomology guide from English into Spanish for the Entomology Research Laboratory, University of Vermont/USDA Forest Services.
10. 2003. Performed land use interpretation and agricultural field measurements and using GPS for various types of crops and farms for 10 clients.
11. 2001. Gathered data and provided statistical and dendrometric analysis to determine efficiency of forest company, “El Madero SRL”, as required to achieve ISO 9002 and 14000.
12. 2000. “Contarregis Animais Silvestres”, a Crocodile Farm and Zoo. Brazil, 2000. Hired to improved efficiency and expand business and product offerings of crocodile skins. Sorted out and ranked the skin inventory by quality, color and size. Conducted and organized two new export projects of a surplus inventory to USA and Italy resulting in sales of \$180,000. Suggested confection of fine crocodile skin products, such as, belts, wallets, woman bags, boots, etc. made of highest quality materials.
13. 1999 – 2002. Advised clients on management intensive grazing (MIG) technologies and implemented projects for beef and dairy pastured farms. Developed strong client relationships and ensured client achievements through MIG projects.
14. 1999. Co-owner and manager of Restaurant-Pub “La Taverna”. Florianopolis, SC Brazil.

REFERENCES *(upon request)*

