

Juan P. Alvez, Ph.D.  
Research Associate Faculty

University of Vermont Extension  
Center for Sustainable Agriculture  
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Interests | Sustainable Agroecosystems; Grazing Management; Agroforestry; Livelihoods  
Ecosystem Services and Payments; Restoration; Production mechanisms.

## I. EDUCATION

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**Ph.D. in Environment and Natural Resources, University of Vermont (2012)**

\_\_\_\_ (2008)

## M.S. II. PROFESSIONAL EXPERIENCE

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### A. RESEARCH Selected Projects and Collaborations

- i. **Managing Pasture for Healthy Farms and Soils Across Vermont (VLT, Biological Capital, UVM, UVM)**

Pasture Program Technical Coordinator (2012-Present).

Goal: to provide research information and technical support to farmers and partners on well managed grazing and habitats, and improvements in soil, water, forage quality and profitability.

iii. **Biodiversity and Livestock Wellbeing**

Research Collaborator with Gund Institute, Animal Sciences, UVM Ext. (2014-Present).

Goal: Understanding dominant and environmental microbial communities to specific management practices are critical to optimizing farm productivity and product quality and enhancing ecosystem based management of farms and agricultural landscapes. Also studied the ability to estimate forage intake rates and assess how the value of diet diversity can affect productivity, milk quality and well-being.

iv. **Redesigning Agroecosystems**

Research Collaborator with UFSC/CNPq, Brazil. (2007-Present).

Goal: to collaborate, identify, design, conduct research and compile scientific information for projects that promote ecosystem services and

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3. Sattler, C.; Schrötter, B.; Brasileiro, A.; **Alvez, Juan P.** 2021. "Analyzing community-based environmental governance: adoption of the management-intensive grazing system (MIG) in the Santa Rosa de Lima community, Brazil". In: Andreoli, C. and Phillipi Jr. A. "Agribusiness Sustainability". Manole Publisher ISBN:786555764512 ([Link](#)) (**B**)
4. Castelo Branco, A.; Sattler, C. Schrotter, B.; **Alvez, Juan P.**; Sinisgalli, P.; Schmitt, Fo., A. 2021. "Social-Ecoloh9, B".

14. 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](#)

**-2009-**

15. 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* 4, n. 1. p. 4544-4548. ISSN: 2236-7934.
16. 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*, n. 2, 3830-3834. ISSN: 2236-7934.

IN REVIEW

IN PREPARATION

1. Faulkner, J. and **Alvez, J.** Compaction Alleviation via mechanical versus pasture cropping *Journal of Soil Water Conservation Society*
2. **Alvez, J.**; Barlow, John, Roman, J.; Kraft, J. “Grazing Behavior and Forage Use across Diets”. *Journal of Rangeland Ecology & Management*.
3. **Alvez, J. P.**; Matthews, A.; Erickson, J. D. “Dairy management systems comparison across sustainability indicators”. *Journal of Sustainable Science*
4. Effects of Shade on Forage Yield and Quality. *Journal TBD*
5. **Alvez, J.**; Roman, J.; Barlow, J.; Kraft, J. “Assessing Habitat” *Journal TBD*

3.

18. Potential Alternatives for Rising Bedding Costs in New England Dairies. UNH-UVM Executive Report by: Lou Simms, Matt Smith, **Juan Alvez**, Jenn Colby, and John Aber
19. Environment and Behavior: Biodiversity and Cattle Well-being. NODPA
20. Grazing sequentially vs. pasture skipping. onpasture.com
21. Life and soil minerals. VT Pasture Networks and onasture.com.
22. Socialize With Cows to Promote Soil Fertility. onpasture.com.
23. Ecosystem Services: Consider Wildlife Habitat for Higher Productivity. VT Pasture Network.
24. Batt-Latch: “Set it and forget it!”
25. Pasture Management: Rhizobia and Nitrogen. VT Pasture Network
26. Forages: perennial or annual and what species are better? VT Pasture Network.

**-2013-**

27. Socialize With Cows to Promote Soil Fertility. VT Pasture Network.
28. Animal Behavior: Avoiding Grazing Selectivity. VT Pasture Network.
29. Agroforestry: trees, bushes, crops and intensive grazing. NODPA, VT.

**-2012-**

30. “Optimizing animal welfare in bedded pack barns”. Pasture Improvement Tools.
31. “Pasture Management and Soil Conservation”. Pasture Improvement Tools.
32. “Pasture Management and Water Quality”. Pasture Improvement Tools.
33. “Why Management-intensive grazing? Our animals are already on grass”. Pasture Improvement Tools.
34. “Agroforestry Systems”. Pasture Improvement Tools.
35. Bishopp, T., Wagner, R., **Alvez, Juan P.** “Pasture walk lesson: Healthy pastures make healthy herds”. Lancaster Farming. Northern Edition, 09/29/2012. On-line
36. Bishopp, T., Wagner, R., **Alvez, Juan P.** “Healthy Pastures = Healthy Herds and Happy Farmers”. Country Folks West. Section A, 10/01. On line
37. **2011.** Farley, J., Schmitt F<sup>o</sup>. A., **Alvez, Juan P.** Ribeiro de Freitas, N. 2011. Ecosystem Services, Agriculture and Economic Institutions. Mountain Ski Group Articles.
38. **2010.** **Alvez, Juan P.** “Managed grasslands can help reducing greenhouse gas emissions improve economic outcomes and enhance rural communities”. Sale Feed Magazine. Beijing, China.
39. **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:

viii. **GRANT PARTICIPATION**

**-2020-**

1. NE-SARE. “
2. NSF FW-HTF. “Testing a responsible innovation approach for integrating precision agriculture (PA) technologies with future farm workers and work” (PI: M. Gardezi USD, Co-PIs: D. Rizzo, A. Zia)
3. Vermont Agency of Agric Food & Markets. Something old and something new: vegetable legumes for Vermont growers”. (P.I. Dr. Eric von Wettberg, unfunded).
4. USDA/NRCS/CIG. “Researching Strategies for Improving Vermont’s Soil Health Through Perennial Grazing Crop Development” (PI: Dr. Caitlin Pries, Dartmouth College; funded).







**-2019-**

19. (W) Tangible Advantages of Manag. Grazing 4 Soil Health ([Link](#)). Philo Ridge Farm Charlotte, VT.
20. (P) The Story behind Philo Ridge and UVM Research. Presentation to CALS Board of Advisors.
21. (L) Waste to Value class. CDAE 195 UVM
22. (P) Agroforestry Viability Case Study in Brazil. Farmland Access Group, F2P. Richmond Town Clerk.
23. (P) Agroforest Studies in Brazil. Tree Fodder Seminar 2019: Trees in the food chain for Climate Remediation. 3Streams Farm, Maine ([Link](#))
24. (W) Pasture and Soil Health Field Day. Glynnwood Center for Food and Farming, Cold Spring, NY ([Link 1](#); [Link2](#))
25. (P) management-intensive Grazing. Uruguayan Society of Rational Grazing First meeting. Tacuarembó, Uruguay. ([Link1](#); [Link2](#))
26. (P) Ecosystem services and sustainable agriculture. The University of the Republic. Centro Universitario Regional, Rivera, Uruguay. ([Link](#))
27. (P) Sustainable agriculture and environment; video presentation to students of Escuela Integral Montevideo, Uruguay ([Link](#)).
28. (P) VT Grass Farmers Association meeting. Presentation on current Grazing Research. Philo Ridge Farm, Charlotte, VT
29. (P) Soil health, Agriculture and Climate in New England: Scientific Findings, Farming Practices, and Policies. Tufts University, Medford, MA.
30. (P) 13th Annual Vermont Organics Recycling Summit (VORS). VTC, Randolph, VT (two-presentations).
31. (P) The Soil Series: Grassroots for the Climate Emergency (Building the Soil From the Ground Up). Montpelier, VT... ([link](#))
32. (L) Agroforestry Systems. Green Mountain College.
33. (P) Compost and Johnson-Su Composting consulting. Zen Center, Shelburne, VT.
34. (P) Philo Ridge Farm Research goals and preliminary presentation
35. (P) Ecosystem Services and Payment for Ecosystem Services. 3rd. Annual Water Quality Meeting VACD, VTC, Randolph, VT.
36. (P) Soil & Pasture Research Updates. 21rd Annual VT Livestock and Grazing Conf.” Fairlee, VT.
37. Food Waste to Value class. CDAE 195 UVM

**-2018-**

38. (W) Johnson-Su Composting Workshop. Ctr. For Technology. Essex, VT
39. (P) “Exploring Food System Resilience in the US and Abroad: Social, Economic, & Agricultural Policies & Outcomes”. Farm-to-Plate Annual Gathering ([Link](#))
40. (P) “Agroecology and Grazing Management”.

45. (L) “Silvopasture and Agroforestry”. In: Prof. Don Ross, “Soils and Sustainable Civilization”. UVM Honors College  
-2017-
46. (L) “Agroecology and Grazing Management”. Champlain College.
47. 2017. (L) Conventional and Sustainable Animal Agriculture. University of Vermont.
48. 2017. (L) Bedded Packs: Managing Nutrients, Cattle and Energy. University of Vermont.
49. Food Waste to Value. CDAE 195 UVM
50. 2017. (W) Is There an App for That? “21st. Annual VT Livestock and Grazing Conf.” Fairlee, VT.
51. 2016. (RT; P) “Dairy Stewardship Incentives. 6th Annual Farm to Plate Network Gathering. Killington, VT  
-2016-
52. (P) Agroecology and the Path Towards Sustainable Agricultural Systems. Univ. of Florida.
53. (P) A Vision for Developing Livestock and Grazing Systems in Oregon. Oregon State Univ.
54. (P) Ontario Forage Council Conference. Elmwood Ontario.
55. (P) Management-Intensive Grazing. Brussels, Ontario.
56. (W) A Holistic Approach to Livestock Production. “20 Annual VT Livestock and Grazing Conference” Fairlee, VT.
57. (W) Observation Highlights from Three Research Farms. “20 Annual VT Livestock and Grazing Conference” Fairlee, VT.
58. (W) Biodiversity and Livestock Wellbeing. eOrganic (Webinar)  
-2015-
59. (RT; P) “Payment for Ecosystem Services and Market Based Incentive Systems. 5th Annual Farm to Plate Network Gathering. Killington, VT ([link](#)).
60. (L) “Agriculture and Biotechnology”. ENP 250: Environmental Policy and Globalization”. Champlain College, VT
61. (L) “Place Based Environmental Study (ENP 300)”. Champlain College, VT.
62. (L) “Agriculture”. ENP 250: Env.. Policy and Globalization”. Champlain College, VT.
- 63.

72. (W) 6 Bedded Packs Workshops in Sheldon (2), Middlebury, White River Jct., Rutland and St. Johnsbury, VT.
73. (L) “Sustainable Agriculture presentation”. Saint Michael’s College, VT.
74. (W) Youth IDA. UVM Center for Sust. Agriculture, Extension, at Osprey Hill Farm, Middlesex, VT.
75. (P) “Agroecology, Farmer Livelihoods and Ecosystem Restoration in Santa Catarina”. 7th Biennial U.S. Society of Ecological Economics, Burlington VT.
76. (P; W) “Biodiversity and Livestock Wellbeing” (NR 385 Atelier), Instructor: Dr. Joe Roman. RSENR, University of Vermont.
77. (G.L.CaE24.C.T.d.P)618 (347 (1)5)2.3((13)90)675)850)R(T)2(T)1092(24)13(1)403(SM)83(1)10-9117-4.5 (t)6.2 (u)



14. 2014-present. Demonstrating Effects of Compaction Best Management Practices on Soil Properties and Water Movement.” Faulkner, J.; Alvez, J.; Colby, J.; Hagen, K.; Balzano, R.
15. 2013-2015. Energy Savings through Holistic Planned Grazing and Management. NRCS-CIG
16. 2012-2015. Using Grass-Based Livestock Farms to Demonstrate Regenerative Ag. NRCS-CIG
17. 2010-Present. “Agroecology and Payments for Ecosystem Services in Santa Catarina’s Atlantic Forest/ PSE e Agroecologia”. Schmitt, A.; Alvez, J.; Farley, J.; Fantini, A.; Alarcon, G.; Battisti, L.
18. 2010. Research Assistant at the University of Vermont, Center for Sustainable Agriculture and Cornell University Forest Management and Shiitake Mushroom Project.

xi. **TEACHING**

I design and deliver lectures, readings, discussions and debates; organize guest speakers and field trips; develop and grade critical thinking assignments, research papers, reaction/reflection papers, reading quizzes, exams and group projects; provided guidance on papers and projects; wrote recommendations; advised independent and group studies; facilitate volunteer opportunities; supports teaching assistants. Below are the listed courses I taught:

1. 2021. PSS/ASCI 143 – Forage and Pasture Management. Dept. of Plant and Soil Science. UVM
2. 2020. Presented syllabus for future PSS 143. Forage and Pasture Management (Fall 2021).
3. 2015. (Fall), NR 285. Restoring Ecosystem Services Across Landscapes. University of Vermont.
4. 2015. “Agroecology, Farmers’ Livelihoods and Ecosystem Services in Brazil's Atlantic Forest”.

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Resumos do I Encontro Pan-Americano sobre Manejo Agroecológico de Pastagens, Chapecó, SC, Brazil. 6(2), 1-6.

51. (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. 7<sup>th</sup> Brazilian Conference on Agroecology, Fortaleza, CE. Brazil (oral presentation).
  52. (P) Surdi, J.; Schmitt F<sup>o</sup>, A.; Farley, J., **Alvez, Juan P.**; Sá Tschumi, H. “The flow of ecosystem services in family dairy farms at the Encosta da Serra Catarinense”, 7<sup>th</sup> Brazilian Conference on Agroecology, Fortaleza, CE. Brazil
  53. (P) **Alvez, Juan P.**; Schmitt, A.; Farley, J. Farmers' “Perception about Voisin Management Intensive Grazing and Ecosystem Services”. Society for Range Management. 64<sup>th</sup> annual Meeting, Billings Montana (oral presentation).  
<http://www.rangelands.org/billings2011/pdf/SRM%202011%20abstracts%20title%20index.pdf>
  54. (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](http://www.unl.edu.ar/iberoextension/archivos/programa_detallado.pdf)
  55. (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.
  56. 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](http://www.unl.edu.ar/iberoextension/archivos/programa_detallado.pdf)
- 2010-**
57. (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. Guadeloupe, FR. Online at: <https://colloque.inra.fr/sapt2010/Programme-et>

presentation). Online at:

[http://www.swcs.org/documents/filelibrary/10ac/2010 Annual Conference Final Progra 5A026667C39BA.pdf](http://www.swcs.org/documents/filelibrary/10ac/2010%20Annual%20Conference%20Final%20Progra%205A026667C39BA.pdf)

**-2009-**

62. (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>
63. (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](http://www.srmmeetings.org/pdf_Abstracts/tech30_economicsSociology/30_8.pdf)
64. (P) da Ros, J., Schmitt F., A., Meurer, F., Farley, J., **Alvez, Juan P.** & Alves, G. “Farmers  
P (R)4 (a)9.2 ( ( , )102)-3.9 (o{&)82.3 (6h2c-3.9o82.3 2-1.6 jET99.36)0 Tc 0 Tw -27.TjET99.36 502.56 363.36 0.48





12. 2009. Assisted creating an e-learning module for IADB and SSG-

10. Agronomist Suggests Compensation For Farmers With Good Pasture Management. [∞](#)
11. Worldwide grazing expert shares stories in Brussels. "A Salute to Agriculture" (special supplement to The Citizen) [∞](#)
12. 2015. Vermont Greenzine. South Royalton Radio w/ Henry Swayze.
13. 2014. Benefits of well-managed grazing for ecosystem services. Columbia Chronicles, Chic., IL.
14. 2014. "Researching Best Practices for Grazing Farms". [Country Folks Magazine](#).
15. 2013. Bedded Pack Systems in Vermont. Across the Fence/WCAX. University of Vermont.
16. 2011. Gund Institute Channel, on Youtube at: <http://youtu.be/eQhFmWC63Vc>
17. 2008. TV Interview at the Legislative Assembly State of Santa Catarina on "current pressing environmental issues". Florianopolis, SC-Brazil.

## COMMUNITY EVENTS

1. 2003-2011. Responsible consumption program "Free Box". The University of Vermont.
2. 1999. Attended general assembly, field day and discussed different agroecological techniques with the "Landless Peasant Movement" (MST), Palmares do Sul, Brazil.
3. 1997. Agroforestry Systems working internship in Parana State, Brazil
4. 1994. Lived 60 days in a small community of traditional colonial -Italian and German- farmers in the Atlantic Forest, Western Santa Catarina, farf-0.004 Tc 0.004 Tw 160-0 0 12 -m

