

Curricular Summary

Name: Gustavo Fonseca de Almeida

1) Education/Training				
Start and end year	Duration (months)	Title or activity	Institution/Entity/Supervisor	Work title
2023-2023	3	Visiting Scientist	IRTA - Institute of Agrifood Research and Technology/Catalunya-Spain – Torre Marimon/Montserrat Nuñes	SIMAPRO software – learning for life cycle assessment (LCA) studies in agriculture
2009-2012	38	PhD degree in Agroecology	Faculty of Science and Technology/Aarhus University-Denmark/ John Erik Hermansen	Use of forage and plant supplements in organic and free range broiler systems: Implications for production and parasite infections
2006-2008	24	Master Degree in Agroecology & Rural Development	Center of Agrarian Sciences/Federal University of São Carlos/EMBPRAPA/Lucimar Santiago de Abreu	Ecologically based Production Strategies and the application of Agroecological Principles
2002-2003	20	MBA in Production Engineering	Department of Production Engineering/Federal University of Sao Carlos/Miguel Bueno da Costa	Presentation of the PAP - Program for Assistance to Cattle Producers.
2000-2001	6	Treinee at AGBU (The Animal Genetics and Breeding Unity)	AGBU/University of New England/Hans Urik Graser	Study of the genetic improvement programs for Australian livestock
1996-2000	54	Undergraduate degree in Animal Sciences	State University of Sao Paulo – UNESP Jaboticabal/Sandra Aidar de Queiroz	Descriptive Study of Genetic Assessment Programs for Beef Cattle in Brazil

2) Professional History. After the under-graduation course in Animal Sciences at UNESP-Jaboticabal, I have traveled to Australia to learn English and to perform a trainee experience at AGBU (The Animal Genetics and Breeding Unit - <http://agbu.une.edu.au/>) located at the

University of New England, in Armidale. When I returned to Brazil, I started my experience in the private sector, as partner in a small company (Fruto da Terra Comércio e Serviços LTDA – FT, from 2002 to 2006). At FT, among other business activities from gardening to consulting, I worked as a marketer for an AGBU Software called PIGBLUP. However, agroecology was gaining momentum in Brazil and I have decided to returned to university benches. I applied in 2005 and was approved in the master program of Agroecology and Rural Development at UFSCar, campus Araras. During the master project, my supervisor was a scientist from EMBRAPA Environment. She was initiating a project collaboration with a group of Danish scientists and needed a support from a student fluent in English. Dr. Niels Halberg, currently the Director of DCA (Danish Center for Agriculture), was the representative (at that time) for ICROFS (International Center for Research in Organic Food Systems). He was looking to find partners in Brazil to participate in the GlobalOrg project. The aim was to investigate the sustainability of organic food chains from goods produced in Brazil, China, Egypt and Nigeria and consumed in Denmark (2006-2010). I participated on all negotiations for the project structure and definition of case studies in Sao Paulo. It was also my first experience as Co-investigator in an international and multi country initiative. It was also my first experience in interacting with a Research Foundation (FUNDAG) for administrating project resources. As a recognition for my work, I was invited to apply for a PhD position in Denmark. During my PhD project, I investigated forage as a means of nutrient supply to broilers and, I searched for strategies to control parasites without synthetic medicines (2009-2012). It is important to mention that I was fully financed by the School of Organic Farming and Food Systems, SOAR, from Denmark. In addition, I have organized a strong network and four experiments were performed both in Brazil and in Denmark. As a result, five peer reviewed papers were published and a thesis describing the challenges to produce organic chickens in free range and organic systems. During the PhD project, I have also applied for collaborative proposals with Brazilian scientists supported by the Danish Ministry of Science and Technology. I have approved finance to increase collaboration between Danish and Brazilian scientists in respect to novel strategies to produce livestock in alternative systems in both countries. During this project, I have invited prof. Marcelo Molento, a recognized parasitologist from the Federal University of Parana (UFPR) with a strong focus on the One Health Initiative.

By the end of 2013, my PhD diploma was validated in the post-graduation Program of Animal Science and Pasture from ESALQ-USP Piracicaba – Sao Paulo. In my first concurrence tentative, I was approved as Assistant Professor at Federal University of Sao Carlos, Lagoa do Sino campus in Buri, Sao Paulo. So, from 2014, I started working as assistant professor at the Centre for Natural Sciences – UFSCar - Campus Lagoa do Sino in the area of Rural Extension and Agroecology.

Recently, I participate in a strong network with cooperative stakeholders and farmer associations at Vale do Ribeira, Sao Paulo, and acted as CO-PI in a regular project (Chamada Universal) financed by the national agency CNPq. In this project, we evaluated the effects of the National School Feeding Program in the megacity of Sao Paulo with the lenses of agroecology. We have tried to investigate the main challenges to develop a city-region food system with farmers producing bananas in the Vale do Ribeira, an important vulnerable region in the State of Sao Paulo (2017-2020).

It is the same region, expanded to woman farmers in Parana State as well, the target groups we intend to reach in this new project proposal. The network is still working and we are seeking to increase our collaboration with the colleagues from Canada, England and Nigeria.

Currently, I am working as a visiting scientist at IRTA (Institute of Agrifood Research and Technology), working with a software (SIMAPRO) that estimates the environmental footprint of agricultural products with especial emphasis on land use change. In summary, my core academic qualifications are within agroecology (the ecology of food systems) and with the sustainability of food production systems particularly within local resource-efficient systems. Those qualifications are expected to provide a strong support in respect to conservation agriculture for the project group headed by professor Kelly y E. McShane from the Ryerson University, Toronto, Canada.

3) List of up to 5 of the most relevant scientific results

For metadata: <https://scholar.google.com.br/citations?user=ay3LXcYAAAAJ&hl=pt-BR>

Vaarst, M.; Escudero, AG.; Chappell, MJ; Brinkley, C; Nijbroek, R; Arraes, NAM.; Andreasen, L; Gattinger, A; **Almeida, GF**; Bossio, D; Halberg, N. Exploring the concept of agroecological food systems in a city-region context. **Agroecology and Sustainable Food Systems**, v. 42, p. 1-26, 2018. Citações: 87

Knudsen, MT.; **Almeida, GF.**; Langer, V; Abreu, LS.; Halberg, N. Environmental assessment of organic juice imported to Denmark: a case study on oranges (*Citrus sinensis*) from Brazil, **Organic Agriculture** v. 1 p. 167-185, 2011. Citações: 70

Almeida, GF; Horsted, K; Thamsborg, SM; Kyvsgaard, NC; Ferreira, JFS; Hermansen, JE. Use of *Artemisia annua* as a natural coccidiostat in free-range broilers and its effects on infection dynamics and performance. **Veterinary Parasitology**. v. 186, p. 178-187, 2012. Citações: 60

Chiodi, RE; **Almeida, GF**; Assis, LHB. Efeitos de políticas de compras institucionais sobre a organização de produtores familiares no Vale do Ribeira. **Revista de Economia e Sociologia Rural** v. 60 p. 1-22, 2022. Citações: 4

Chiodi, RE.; **Almeida, GF.**; Assis, LHB. O Mercado Convencional da Banana: sujeição da agricultura familiar no Vale do Ribeira-SP. *Desenvolvimento em Questão*, v. 18, p. 146-165, 2020. Citações google: 4

4) Research grants awarded by any agency or company to the researcher:

Agency	Position	Project name	Situation	Start	End
FAPESP/NFRF Canada/UKIR England	Coordinator Brazil	Building Resilience: How conservation agriculture can support adaptation to climate change in Brazil and Nigeria	In development	2024	2027
CGEE/ Parlamentar amendments	Coordenator	OUSAR - Organização e União para a Segurança Alimentar plena nos meios urbano e Rural	Concluded	2020	2024
Parliamentary amendments	Colaborator	Sistemas Agroflorestais no Sudoeste Paulista: indicadores de sustentabilidade e caminhos para a certificação (Extension Project)	Concluded	2022	2023
Parliamentary amendments	Colaborator	Implantação e monitoramento de sistema agroflorestal na UFSCar Lagoa do Sino (Extension Project)	Concluded	2017	2021

CNPq Universal	Colaborator	Avaliação dos efeitos do Programa de Alimentação Escolar da Prefeitura Municipal de São Paulo: a agricultura familiar e agroecologia como bases para um sistema alimentar territorial sustentável	Concluded	2017	2020
Ministry of Science Technology - Denmark	Colaborator	Bridging agroecological approaches in Brazil and Denmark	Concluded	2013	2017
Aarhus University	Colaborator	Internacionalização da Universidade de Aarhus e a Ciência Tecnologia no Brasil	Concluded	2012	2012
Ministry of Science Technology - Denmark	Coordenator	Desenvolvimento de novas estratégias na produção animal na Dinamarca e no Brasil	Concluded	2011	2016
School of Organizational Agriculture and Research in Food Systems Denmark	PhD student	Forragens como estratégia nutricional para aves em sistemas ao ar livre e orgânicos e sua interação com infecções parasitárias	Concluded	2009	2012
ICROFS (International Center for Research in Organic Food Systems)	Project collaborator in Brazil	GlogabOrg – Investigating the sustainability of organic food production	Concluded	2006	2010

5) Academic quantitative indicators.

a) Peer reviewed papers:20

b) Book chapter:2

c) Scientific Initiation supervision concluded: 10

d) Completion of under-graduation thesis supervision: 15

e) Under graduation student supervision in progress: 2

f) Graduation student supervision in progress: 1

f) Total citation on google citation: **Total of papers: 45 Citations: 644** Factor H:9 Date: 01/09/2024

6) Links to the author's ORCID webpage

6.a) link para orcid: <https://orcid.org/0000-0003-0263-697X>

6.b) link para Scopus: <https://www.scopus.com/authid/detail.uri?authorId=55199122700>

6.c) link para ResearchGate: <https://www.researchgate.net/profile/Gustavo-Almeida-7>

6.d) link para scholar google: <https://scholar.google.com.br/citations?user=ay3LXcYAAAAJ&hl=pt-BR>

7) **Other information:** Visiting scientist at IRTA, Catalunya. (from 20 april to 15 June 2023)