

## CURRICULUM VITAE

**Name:** Leônidas Paixão Passos

**Work** Embrapa (Brazilian Agricultural Research Corporation)  
Embrapa Dairy Cattle (The National Dairy Cattle Research Center)

**Titles:** Researcher, 3/76-2/89, Embrapa Grape & Wine  
Visiting Professor, 5/92-5/93, University of Arizona  
Researcher, 3/89 to present, Embrapa Dairy Cattle

**Education:** Federal University of Viçosa, Viçosa, Brazil; B.S. Agricultural Sciences, 1975  
Federal University of Viçosa, Viçosa, Brazil; M.S. Plant Sciences, 1978  
University of Arizona, Tucson, USA; Ph.D Plant Physiology, 1989

**Professional Experience:** Embrapa Grape & Wines, Plant Sciences, 1976-1989  
University of Arizona, Plant Molecular Biology, 1992-1993  
Embrapa Dairy Cattle, Plant Biotechnology and Physiology, 1989 to present  
Embrapa Dairy Cattle, Chemical Risk Analysis in Foods, 2011-2013

**Honors And Awards:** Embrapa Dairy Cattle Institutional Award for Merit, 2015  
Embrapa National Award for Team Excellence in Research, 2012  
Embrapa National Award for Team Technical Quality in Research, 2012  
Embrapa Dairy Cattle Institutional Award for Merit, 2012  
Embrapa Southern Cattle Institutional Award for Team Work, 2012  
Embrapa National Award for Research Project Fund-raising, 2012  
Embrapa Dairy Cattle Institutional Award for Merit, 2011  
Embrapa National Award for Team Technical Quality in Research, 2011  
Embrapa National Award for Partnership in Research, 2011  
Embrapa Dairy Cattle Institutional Award for Team Work, 2009  
Embrapa Dairy Cattle Institutional Award for Merit, 2009  
Embrapa Dairy Cattle Institutional Award for Merit, 2008  
Innovation Program Award, Department of Science and Technology of Minas Gerais, 2008  
Embrapa Dairy Cattle Institutional Award for Merit, 2007  
Embrapa Dairy Cattle Institutional Award for Merit, 2006  
Embrapa Dairy Cattle Institutional Award for Team Work, 2006  
Embrapa Dairy Cattle Institutional Award for Merit, 2004  
Embrapa Dairy Cattle Institutional Award for Team Work, 2004  
Embrapa National Award for Creativity in Research, 2004  
Embrapa National Award for Team Technical Quality in Research, 2003  
Embrapa National Award for Partnership in Research, 2003  
Embrapa Dairy Cattle Institutional Award for Merit, 2002  
Embrapa Dairy Cattle Institutional Award for Team Work, 2002  
Embrapa Dairy Cattle Institutional Award for Merit, 2000  
Embrapa Dairy Cattle Institutional Award for Team Work, 2000  
Embrapa Dairy Cattle Institutional Award for Merit, 1999  
Embrapa Dairy Cattle Institutional Award for Merit, 1998  
Embrapa Dairy Cattle Institutional Award for Merit, 1996  
Gamma Sigma Delta, the Honor Society of Agriculture, USA, 1986  
Graduate Tuition Scholarship, University of Arizona, USA, 1986

- Other Professional Activities:** International Liaison, Embrapa Dairy Cattle, 9/08-12/14, and 10/15 to present  
Coordinator, Graduate CNPq Fellowship Program, Embrapa Dairy Cattle, 6/15 to present  
Head, Plant Biotechnology and Physiology Laboratory, Embrapa Dairy Cattle, 5/93 to present  
Chairman, Embrapa Dairy Cattle's XVI Workshop on Scientific Initiation, 8/15  
Member, Central Committee, Strengthening International Efforts of Embrapa Project, 7/12-6/15  
Member, Biosafety Commission, Embrapa Dairy Cattle, 10/06-12/14  
Coordinator, National R&D Portfolio Proposal on Risk Analysis in Foods, 11/12-6/13  
Manager, Institutional Development Commission (NDI), Embrapa Dairy Cattle, 4/11-10/12  
Chairman, Workshop on Chemical Risk Analysis in Foods, Brasília, 10/11-03/12  
Brazilian Delegate, Global Dairy Platform Meeting, Berlin, Germany, 9/09  
Brazilian Delegate, International Dairy Federation Summit, Berlin, Germany, 9/09  
Visiting Scholar, Wageningen University, the Netherlands, 9/09  
Visiting Scholar, INRA, Centre Montpellier, France, 10/09  
Executive Secretary, Internal Technical Committee (CTI), Embrapa Dairy Cattle, 2/00-8/08  
Member, Expert Panel on Embrapa's Institutional Relations in the R&D Environment, 12/10  
Member, Expert Panel on Embrapa's R&D Managerial System, 12/10  
Member, Advisory Board of Juiz de Fora Technological Park, 9/08-12/10  
Member, Embrapa's R&D Macroprogram 3 National Technical Committee, 5/06-11/09  
Member, Strategic Planning Committee, Embrapa Dairy Cattle, 12/04-02/05, and 4/08-08/08  
Deputy R&D Assistant-Director, Embrapa Dairy Cattle, 10/07-8/08  
Chairman, Workshop on Cooperative Research in Chemistry and Dairy Science, 5/05-7/05  
Chairman, Revision Working Group of the Master Plan of Embrapa Dairy Cattle, 1/03-9/03  
Member, Corporate Group Integrating Embrapa's Information Systems, 1/01-12/02  
Coordinator, Strategic Management Model of Embrapa Dairy Cattle, 8/98-12/99  
Treasurer, Brazilian Society of Animal Science (SBZ), 7/96-7/97  
Member, Organizing Committee, Workshop on the Foraging Potential of *Cynodon*, 8/95-11/95  
Member, Organizing Committee, Workshop on Elephantgrass, 11/93-12/94  
Member, Organizing Committee, Workshop on Alfalfa in the Tropics, 11/93-5/94  
Chairman, Local Publishing Committee, Embrapa Grape & Wine, 12/79-1/83
- Recent Lectures:** International cooperation: the experience of Embrapa Dairy Cattle. In: Workshop on the International Relations of Embrapa, Brasília, 2013  
International network for chemical risk analysis in foods – a proposal. In: Workshop on Chemical Risk Analysis in Foods, Brasília, 2012  
Keynote lecture. In: Workshop on Analytical Protocols for Determination of Antibiotic Residues in Milk, Juiz de Fora, 2012  
Describing the portfolio on chemical risk analysis in foods. In: Danish-Brazilian Collaboration in Food Science – A Follow-up and Proposal-writing Workshop, Rio de Janeiro, 2012
- Book Editing:** Magalhaes JR, Singh RP, **Passos LP**. Eds. (2005) Nitric oxide signaling in higher plants: focus on plant molecular biology. Studium Press, Houston. 347p.  
Alvim MJ, **Passos LP**, Botrel MA. Eds (2001) Relatório Técnico da Embrapa Gado de Leite 1999-2000. Embrapa Dairy Cattle, Juiz de Fora. 228p.  
**Passos LP**, Carvalho LA, Martins CE, Bressan M, Pereira AV. Eds (1999) Biologia e manejo do capim-elefante. Embrapa Dairy Cattle, Juiz de Fora. 229p.  
**Passos LP**, Carvalho MM, Campos OF. Eds (1997) Embrapa Gado de Leite – 20 anos de pesquisa. Embrapa Dairy Cattle, Juiz de Fora. 359p.

Bressan M, Furlong J, **Passos LP**, Ribeiro JM, Oliveira LEK, Guimaraes RMM Eds (1997) manual técnico – Trabalhador na bovinocultura de leite. Embrapa Dairy Cattle, Belo Horizonte. 271p.

**Passos LP** (1996) Métodos analíticos e laboratoriais em fisiologia vegetal. Embrapa Dairy Cattle, Juiz de Fora. 227p.

**Recent  
Scientific  
Articles:**

**Passos LP**, Santos ASO, Martins MF, Botezine NP, Lopes HCC, Dias DHS, Fogaça GN, Reis PRC, Marques R (2015) Response of iron enriched palisadegrass seedlings to toxic Cr<sup>+3</sup> revealed by physiological indicators and protein profiles using microfluidic electrophoresis. Australian Journal of Crop Science 9: 835-843.

Marques R, Oliveira MAL, Reis CRG, Köpp MM, **Passos LP** (2015) A factorial design applied to the study of chromium toxicity on the glutathione levels of *Brachiaria brizantha* and *Brachiaria ruziziensis* seedlings. Química Nova 38: 987-991. doi: [10.5935%2F0100-4042.20150089](https://doi.org/10.5935/2F0100-4042.20150089)

Nascimento RMP, Skorupa ALA, **Passos LP**, Marques JJ (2014) Extração e fitodisponibilidade de zinco e chumbo em latossolo tratado com resíduos de siderurgia. Revista Brasileira de Ciências Agrárias 9: 322-329. doi: [10.5039/agraria.v.9i3a336](https://doi.org/10.5039/agraria.v.9i3a336)

**Passos LP**, Köpp MM, Léo FJS (2012) Performance of tetraploid alfalfa genotypes as exposed to aluminum toxicity. Agricultural Sciences 3: 230-240. doi: [10.4236/as.2012.32027](https://doi.org/10.4236/as.2012.32027)

Vaz FAS, Silva PA, **Passos LP**, Heller M, Micke GA, Costa ACO, Oliveira MAL (2012) Optimisation of a capillary zone electrophoresis methodology for simultaneous analysis of organic aliphatic acids in extracts of *Brachiaria brizantha*. Phytochemical Analysis 23: 569-575. doi: [10.1002/pca.2355](https://doi.org/10.1002/pca.2355)