

CV Sergio Carlos (Yani) Garcia

Contact:

Dairy Science Group, Building C04, University of Sydney +61 2 9351 1621

Sergio.garcia@sydney.edu.au

Education

- **PhD** (2000) in Animal Science, Massey University, New Zealand. Research area: Pasture-based dairy systems. Whole-farm systems research - Modelling
- **MSc** (1996) in Animal Production – Research area: Ruminant nutrition, University of Mar del Plata, Argentina.
- **Agricultural Engineer/BAgSc** (1992) University of Mar del Plata, Argentina.

Current position and responsibilities

Professor of Dairy Science. Director Dairy Research Foundation. Dairy Science Group leader. FutureDairy Project Supervisor

Employment History

01/15 – Professor of Dairy Science, Director Dairy Research Foundation, Dairy Science Group Leader, FutureDairy Project Supervisor, Faculty of Veterinary Science, University of Sydney

01/09 – Associate Professor, Director Dairy Research Foundation, University of Sydney

07/08 – 12/08 Associate Professor, Acting Director DRF, University of Sydney.

04/06 – 06/08 Senior Research Fellow, University of Sydney.

04/04 – 04/06 Research Fellow, University of Sydney.

04/03 – 04/04 Post-Doctoral Research Fellow, University of Sydney.

03/01 – 03/04 Ass. Professor of dairy science (Level C), University of Buenos Aires, Argentina

07/98 – 11/00 Research assistantship, Massey University, New Zealand

03/94 – 02/97 Research fellowship, Nat'l Institute of Agricultural Research (INTA), Argentina

01/92 – 03/94 Private consultant in beef and dairy systems, Argentina

Publications

Over 110 peer-reviewed publications including more than 50 journal articles and over 50 conference proceedings; 3 book chapters. More than 10 technical management guidelines for farmers. Over 60 non-peer reviewed scientific and technical articles.

Peer-reviewed publications recent years:

2015: 7 published (at June 2015)

2014: 14 published

2013: 21 published

2012: 13 published

2011: 10 published

Funding

Total income attracted (as project leader, project supervisor and/or principal investigator)

- Research income: AU \$13,795,721
- Farm infrastructure income: AU \$957,309
- Research infrastructure income: AU \$1,688,346

- Total income generated (2003-2014): AU \$16,441,376

Research Supervision

Supervisor/co-supervision of research fellowships (one Australian-Endeavour Fellow; two post-doc, two senior and one principal RF levels), eight PhD students (five completed, four as main supervisor; three ongoing), nine Master students (eight completed; two as main supervisor; one starting in 2014); 25 undergraduate/honours students (all completed); and over 20 research trainees, mainly international

Committees, Boards and Organizations

- Director Dairy Research Foundation, University of Sydney
- University Farm Board Advisor Committee
- Chair of the Australasian Dairy Science Symposium 2016 (ADSS, the largest technical dairy science meeting in the southern hemisphere)
- Invited member of Dairy Moving Forward (an industry driven initiative to set research priorities for the Australian dairy industry).
- Editorial: Associate Editor of Grass and Forage Science. Invited reviewer of Journal of Dairy Science; Grass and Forage Science; Animal Production Science (formerly Australian Journal of Experimental Agriculture); Crop Production Science (formerly Australian Journal of Agricultural Research); Animal; Animal Feed Science and Technology, Archives of Agronomy and Soil Science; Agronomy; Journal of the Sci of Food and Agriculture.
- Expertise requested by industry bodies (eg Dairy Australia; AgResearch NZ, Local Land Services NSW, Dairy NSW) as external reviewer or funding applications/milestone reports/project evaluations
- Invited Member of the Nat'l Dairy Advisory Panel for Australia (Elanco)

Research Service

- *Recent Invited talks/colloquia academia:* invited as keynot speaker to: Int'l Grassland Conference 2015, New Dehli, India (Nov 2015); South African Large Herd Conference, South Africa (June 2015); Brazilian Congress of Animal Science, Vitória, Brazil 2014; Universidad do Estado de Santa Catarina, Brazil 2014; Congress of Veterinary Science, Uruguay, 2013; International Grassland Conference, Sydney 2013; Australian Grassland Conference, Canberra 2013; Australian Dairy Science Symposium 2012; Universidad del Noroeste de Buenos Aires, Pergamino, Argentina (2012); INTA (Nat'l Institute of AgRes, Argentina 2012); invited paper to Australasian Dairy Science Symposium DRF Symposium (2012); Australian Association of Ruminant Nutrition, Gatton, QLD (2012); Kellog Biological Research Station, Michigan, USA (2011). Buiatria Congress, Paysandú, Uruguay (2010).
- *Recent Invited talks/colloquia industry:* CONAPROLE, Uruguay (October 2015); INIA, Uruguay 2014; Los Angeles, Chile (2014); Osorno, Chile (2014); AgRes, NZ 2014; AACREA, Córdoba, Argentina (4000 producers) (2011); TodoAgro, Osorno, Chile (2011); Colanta, Medellín, Colombia (2010); Mercoláctea, Córdoba, Argentina (2010 and 2002); Western Australia Dairy Innovation, Margaret River, 2009; NSW DPI Forage Forum, Coff Harbour (2009); QLD DPI Forage Forum, Brisbane (2008).
- Recent Invited workshops: Dairy Australia Feedbase workshop (2012); Dairy Moving Forward Workshop (feedbase and nutrition) (2012).
- Director of Dairy Research Foundation (2008-current) – Faculty of Veterinary Science
- Research Leader of Science and Innovation of phase 1 of FutureDairy program (2005-2008); Project leader and project Supervisor of phase 2 of FutureDairy program (2008-2011). Project Supervisor of phase 3 of FutureDairy program (2011-2014).

Professor Sergio (Yani) Garcia Biographical details

Professor Sergio Carlos (Yani) Garcia is an internationally recognised leader in the field of dairy production from pasture; grazing, forage utilisation and management of pasture and crops for dairying and, more recently, on all aspects of automation in dairying.



Yani was linked to agriculture since childhood through a crop and beef family farm in Tandil. He completed bachelor studies in Agriculture and worked as a private consultant in beef and dairy pasture-based system in Argentina for several years. Yani completed a MSc in ruminant nutrition at INTA/UNMdP, Argentina. He then obtained a New Zealand ODA scholarship to complete a PhD in pasture-based dairy systems at Massey University, NZ.

Yani held a professorship appointment at University of Buenos Aires (2001-2003) where he developed under- and postgraduate courses in dairy production. In 2003 he accepted a post-doctoral fellowship at the University of Sydney and moved to Australia. Yani is now Professor of Dairy Science, Director of the Dairy Research Foundation and leader of the Dairy Science Group at the University of Sydney. He is also Project Supervisor of FutureDairy, a national R&D program that aims to develop futuristic systems and that is now in its 4th phase of 3-year cycle funding.

Professor Garcia is internationally recognised by his publications in top international journals in the area of pasture-based dairy systems, grazing and feeding of the dairy cow and forage production and utilization. More recently he has moved towards all aspects of automation in pasture-based systems, including robotic milking. He has over 110 peer-reviewed publications (journals and conference proceedings including Journal of Dairy Science; Grass and Forage Science; Animal Production Science; Crop and Pasture Science; Animal; Livestock Science; Crop Science; Agricultural Systems, among others) and has directly supervised over 8 PhD students; 10 MSc and over 25 honours theses. Since 2014, Yani is Associate Editor of the European Journal Grass and Forage Science.

Yani receives frequent invitations to speak at national and international congresses and industry meetings, including countries such as India (2015), Argentina (2010, 2011, 2013, 2016), Colombia (2010), Chile (2011, 2014), Brazil (2014), South Africa (2008, 2015), Uruguay (2013, 2014, 2015), USA (2011), NZ (2014) and Australia (all years).

He has attracted over AU\$16m in research and infrastructure income to the University of Sydney since 2004 (\$12m since appointed Director in 2008), consolidating the Dairy Science group at the University of Sydney.

Yani's research vision is one of sustainably intensified, automated, pasture based dairy systems.

More details on recent publications can be found at the following links:

<http://sydney.edu.au/vetscience/about/staff/profiles/sergio.garcia.php>

http://www.futuredairy.com.au/Scientific_Publications.php