

BIOGRAPHY

29th June 2012



Title and name

Professor Dr. Secundino López Puente

Nationality

Spain

Panel

Additives and products or substances used in animal feed (FEEDAP)

Education

D.V.Sc. & A. H. (Doctor of Veterinary Science and Animal Husbandry, with merit) 1985, University of León, Spain.

PhD, Ruminant Nutrition, 1990, University of León, Spain.

Postdoctoral Scientist, Ruminant Nutrition, 1990-1992, The Rowett Research Institute, Aberdeen, UK.

Scientific and risk assessment experience

Scientific experience on topics:

- Ruminant nutrition and digestive physiology
- Feed evaluation
- Rumen fermentation
- Feed additives (plant additives, organic acids, yeasts, buffers)
- Mathematical modelling in animal nutrition

Risk assessment experience as Member of EFSA Panel "Additives and products or substances used in animal feed (FEEDAP)" in the mandate (2009-2012), and of working group on "Silage additives"

Main scientific publications

Authored >200 scientific papers, of which >100 in peer reviewed journals, mainly dealing with animal (ruminant) nutrition, published in international journals and books.

LÓPEZ, S., PRIETO, M., DIJKSTRA, J., DHANOA, M.S. & FRANCE, J., 2004 Statistical evaluation of mathematical models for microbial growth. International Journal of Food Microbiology 96: 289-300.

NEWBOLD, C.J., LÓPEZ, S., NELSON, N., OUDA, J.O., WALLACE, R.J. & MOSS, A.R., 2005. Propionate precursors and other metabolic intermediates as possible alternative electron acceptors to methanogenesis in ruminal fermentation in vitro. British Journal of Nutrition 94: 27-35.

LÓPEZ, S., GARCÍA GONZÁLEZ, R., FERNÁNDEZ, M., BODAS, R. & GONZÁLEZ, J.S., 2006. Medicinal plants as feed additives in animal nutrition. In: Recent Progress in Medicinal Plants Volume 15: NATURAL PRODUCTS (eds. K.k. Singh, J.N. Govil, K. Ahmad & R.Kr. Sharma) pp. 309-333. Studium Press LLC, USA, Houston.

BODAS, R., RODRÍGUEZ, A.B., LÓPEZ, S., FERNÁNDEZ, B., MANTECÓN, A.R. & GIRÁLDEZ, F.J., 2007. Effects of the inclusion of sodium bicarbonate and sugar beet pulp in the concentrate for fattening lambs on acid–base status and meat characteristics. *Meat Science* 77: 696-702.

BODAS, R., LÓPEZ, S., FERNÁNDEZ, M., GARCÍA-GONZÁLEZ, R., RODRÍGUEZ, A.B., WALLACE, R.J. & GONZÁLEZ, J.S., 2008. In vitro screening of the potential of numerous plant species as antimethanogenic feed additives for ruminants. *Animal Feed Science and Technology* 145: 245-258.

JALILVAND, G., ODONGO, N.E., LÓPEZ, S., NASERIAN, A., VALIZADEH, R., EFTEKHAR SHAHRODI, F., KEBREAB, E. and FRANCE J., 2008. Effects of different levels of an enzyme mixture on in vitro gas production parameters of contrasting forages. *Animal Feed Science and Technology* 146: 289-301.

GARCÍA-GONZÁLEZ, R., LÓPEZ, S., FERNÁNDEZ, M., BODAS, R. & GONZÁLEZ, J.S., 2008. Screening the activity of plants and spices for decreasing ruminal methane production in vitro. *Animal Feed Science and Technology* 147: 36-52.

DIAS, R.S.; LÓPEZ, S.; SILVA, T., PARDO, R.M.P., SILVA FILHO, J.C., VITTI, D.M.S.S., KEBREAB, E. & FRANCE, J., 2009. Rumen phosphorus metabolism in sheep. *Journal of Agricultural Science* 147: 391-398.

GARCIA-GONZALEZ, R., GONZALEZ, J.S. & LÓPEZ, S., 2010. Decrease of ruminal methane production in Rusitec fermenters through the addition of plant material from rhubarb (*Rheum* spp.) and alder buckthorn (*Frangula alnus*). *Journal of Dairy Science* 93: 3755-3763.

LÓPEZ, S., MAKKAR, H.P.S. & SOLIVA, C.R., 2010. Screening Plants and Plant Products for Methane Inhibitors. In: In Vitro Screening of Plant Resources for Extra-Nutritional Attributes in Ruminants: Nuclear and Related Methodologies (eds. P.E. Vercoe. H.P.S. Makkar & A.C. Schlink) pp. 191-231. Springer, Dordrecht, The Netherlands.