

## **Eliel González-García, PhD., HDR**

### **Director of Research (DR2)**

**INRAE-CIRAD-SupAgro Joint Research Unit "SELMET"**

(Mediterranean and Tropical Farming Systems)

INRAE Research Center Occitanie-Montpellier

Bâtiment 22, Bureau 50

Campus INRA-Montpellier SupAgro

2 Place Pierre Viala

34060 Montpellier Cedex 1, France

[eliel.gonzalez-garcia@inrae.fr](mailto:eliel.gonzalez-garcia@inrae.fr)

Telephone: +33 (0) 4 99 61 2259

Fax: +33 (0) 4 67 54 5694

[https://www.researchgate.net/profile/Eliel\\_Gonzalez-Garcia2/contributions](https://www.researchgate.net/profile/Eliel_Gonzalez-Garcia2/contributions)

[orcid.org/0000-0001-9232-1941](https://orcid.org/0000-0001-9232-1941)

[publons.com/a/1423631](https://publons.com/a/1423631)

### **DIPLOMAS**

**2012:** *Habilitation à Diriger des Recherches (HDR)*, Université de Montpellier II, Montpellier

**2004:** *PhD Animal Science*, Universitat Autònoma de Barcelona (UAB), Spain (mention *Cum Laude*)

**2002:** *Master of Science (MSc.)* in Animal Science, Universitat Autònoma de Barcelona (UAB), Spain

**1997:** *Bachelor of Science (BSc.)* in Tropical Animal Production, Wageningen University Research Centre (Wageningen UR), The Netherlands

**1991:** *Zootechnical engineer (Ing.)*, Universidad Agraria de La Habana (UNAH), Cuba

**1986:** *Bachelor*, Matanzas, Cuba

### **AWARDS**

**2005:** V Prix to the best project in the area of **International Cooperation for Research**, *Universidad de Islas Baleares (UIB)* and *Consejería de Inmigración y Cooperación, Gobierno de las Islas Baleares*, Spain

<https://cooperacio.uib.cat/EpD/recerca/VIII-Premi-de-recerca-sobre-la-cooperacio.cid208274#cid208274>

**1999:** Prix from the National Cuban Academy of Sciences. Nomination as "Significant Scientific Outcome" of National Impact for the work "Agroforestry Technology for Milk Production with Local Goats", Havana, Cuba

### **ADMINISTRATIVE CAREER. SCHOLARSHIPS AND MOBILITY**

**2019-> Directeur de recherches (DR2)**

**2008-2019:** **Chargé de recherches** du Département PHASE de l'INRA (Montpellier)

**2006-2008:** **Postdoctoral Contract**, INRA (Unité de Recherches Zootechniques, URZ) Guadeloupe

**2002-2004:** **Research Contracts** with: Agribands International S.A., Spain; Lallemand S.A., France, and Effective Microorganisms Research Organisation (EMRO Europe), Spain

**2001-2003:** **UAB Research Assistant and Support Scholarship**, Barcelona, Spain

**2000-2001:** Fellowship of the **Spanish International Cooperative Agency (AECI)**, Spain

**1996-1997:** **Netherlands Fellowship Program (NFP-NUFFIC)** Scholarship, The Netherlands

**1991-2005:** **Senior Researcher** at the *Estación Experimental "Indio Hatuey" (EEIH)*, Matanzas, Cuba

### **MY CURRENT INTERESTS INCLUDE:**

- ✓ *The forage autonomy and the agroecological transition of farming systems*
- ✓ *The individual robustness and the flock and farming system resilience*
- ✓ *Body reserves dynamics of ruminants reared under harsh environments*

### **SCIENTIFIC PRODUCTION**

Scientific articles listed in the Web of Science (WOS): 88

Number of Citations: 3768

Hirsch index: 19

### **RECENT PUBLICATIONS includes...**

1. **González-García E.**, Alhamada M., H. Nascimento, D. Portes, G. Bonnafe, C. Allain, I. Llach, P. Hassoun, J. M. Gautier and S. Parisot. 2021. Measuring liveweight changes in lactating dairy ewes by using an automated walk-over-weighing system. *Journal of Dairy Science* 104:5675–5688 (doi.org/10.3168/jds.2020-19075).
2. de Azambuja Ribeiro E. L., Boscaro de Castro, F.A., Bumbieris Junior, V.H., Prado-Calixto, O.P., das Dores Ferreira da Silva, L., de Freitas Pena, A., **González-García, E.** 2021. Body condition score at lambing and performance of Santa Inês ewes with an offspring during lactation. *Semina: Ciênc. Agrár. Londrina* 42(2), 809-826 (doi.org/10.5433/1679-0359.2021v42n2p809).

3. **González-García, E.**, Santos, J.P.D. and Hassoun, P. 2020. Residual feed intake in dairy ewes: an evidence of intraflock variability. *Animals* 10(9), 1593; <https://doi.org/10.3390/ani10091593>.
4. **González-García E.**, M. Alhamada, N. Debus, J.-B. Menassol, A. Tesnière, J. Gonçalves Vero, B. Barboza and F. Bocquier. 2020. Short-, medium- and long-term metabolic responses of adult ewes subjected to nutritional and  $\beta$ -adrenergic challenges. *Animals* 10(8), 1320; <https://doi.org/10.3390/ani10081320>.
5. Macé, T., **González-García, E.**, Kövér, G., Hazard, D. and Taghipoor, M. 2020. PhenoBR: a model to phenotype body condition dynamics in meat sheep. *BioRxiv*. 10.1101/2020.12.01.407098 posted on bioRxiv: <https://biorxiv.org/cgi/content/short/2020.12.01.407098v1>
6. Rasambatra E. R., Autfray P., Vall E., **González-García E.**, Mortillaro J. M., Jean de Neupomuscène Rakotozandriny J. N., and Salgado P. 2020. Intégration agriculture-élevage dans un contexte d'accès limité aux intrants de synthèse en milieu tropical de moyenne altitude. *Rev. Elev. Med. Vet. Pays Trop.* 73 (2): 49-59. doi: 10.19182/remvt.31876.
7. Bois B., Morgavi, D.P., Lecomte P., **González-García E.**, Ickowicz A. and Doreau, M. 2020. Indirect measures of methane emissions of Sahelian Zebu cattle in West Africa, role of environment and management. *Tropical Animal Health and Production* 52:1953–1960 (doi.org/10.1007/s11250-020-02212-x).
8. Sib O., Vall E., Bougouma-Yaméogo V. M-C., Blanchard M., Navarro M. and **González-García, E.** 2020. Establishing high-density protein banks for livestock in Burkina Faso (West Africa): agronomic performance under contrasting edaphoclimatic conditions. *Agroforestry Systems* 94:319–333. (doi.org/10.1007/s10457-019-00394-4).
9. Rodríguez Ventura, M., Bastianelli, D., Déniz, S., Saavedra, P., Rey, L., Bonnal, L. and **González-García, E.** 2019. Phenolic and tannin compounds in subtropical shrubs (*Bituminaria bituminosa*, *Chamaecytisus proliferus*, and *Adenocarpus foliosus*) and the effects on *in vitro* digestibility. *Tropical Animal Health and Production* (Online; doi.org/10.1007/s11250-019-01839-9).
10. Macé, T., **González-García E.**, Carrière F., Douls S., Foulquié D., Robert-Granié, C., Hazard D., 2019. Intra-flock variability in the body reserve dynamics of meat sheep by analyzing BW and body condition score variations over multiple production cycles. *Animal* (Online; doi:10.1017/S175173111800352X).
11. **González-García, E.**, Alhamada, M., Pradel, J., Douls, S., Parisot, S., Bocquier, F., Menasol, Llach, I., González, L.A. (2018). A mobile and automated walk-over-weighing system for a close and remote monitoring of liveweight in sheep. *Computers and Electronics in Agriculture*, 153, 226–238. DOI: 10.1016/j.compag.2018.08.022  
<https://prodinra.inra.fr/record/441157>
12. Macé, T., **González-García E.**, Carrière F., Douls S., Foulquié D., Robert-Granié, C., Hazard D. (2018). Genetic analysis of robustness in meat sheep through body weight and body condition score changes over time. *Journal of Animal Science* (Online), DOI: 10.1093/jas/sky318. DOI: 10.1093/jas/sky318  
<https://prodinra.inra.fr/record/434999>
13. **González-García, E.**, Golini, P. d. O., Hassoun, P., Bocquier, F., Hazard, D., González, L. A., Ingham, A. B., Bishop-Hurley, G. J., Greenwood, P. L. (2018). An assessment of Walk-over-Weighing to estimate short-term individual forage intake in sheep. *Animal*, 12 (06), 1174-1181. DOI: 10.1017/S1751731117002609  
<http://prodinra.inra.fr/record/432806>
14. Stark, F., **González-García, E.**, Navegantes, L., Miranda, T., Pocard-Chapuis, R., Archimède, H., Moulin, C.-H. (2018). Crop-livestock integration determines the agroecological performance of mixed farming systems in Latino-Caribbean farms. *Agronomy for Sustainable Development*, 38 (1), 11 p., DOI: 10.1007/s13593-017-0479-x  
<http://prodinra.inra.fr/record/423567>
15. **González-García, E.**, Martín Martín, G. (2017). Biomass yield and nutrient content of a tropical mulberry forage bank: effects of season, harvest frequency and fertilization rate. *Grass and Forage Science*, 72 (2), 248-260. DOI: 10.1111/gfs.12227  
<http://prodinra.inra.fr/record/357562>