

# Daniel de Moura Murta

**ORCID ID:** [orcid.org/0000-0002-5583-485X](https://orcid.org/0000-0002-5583-485X) - **Date of Birth:** 9/August/1984

## Main Positions:

- Since March 2014 **CEO & Founder at Ingredient Odyssey** – [www.entogreen.com](http://www.entogreen.com)
- Since March 2014 **Auxiliary Professor at the Faculty of Veterinary Medicine** - Universidade Lusófona de Humanidades e Tecnologia
- Since January 2014 **Researcher at CIISA** – Faculty of Veterinary Medicine – University of Lisbon

## Other Positions:

- Since January 2019 LEAR at the H2020 funded project RECOVERY
- Since September 2016 **Principal Investigator** PT2020 Funded Project POCI-01-0247-FEDER-017675 - EntoValor :: **EntoValor - Insetos como uma oportunidade na valorização de resíduos**
- From 2016 to 2019 Editor of the Portuguese Veterinary Sciences Society Journal
- Since March 2016 Member of the Scientific Board of the FMV-ULHT
- Since September 2015 Member of the Ethics and Animal Welfare Commission of the FMV-ULHT

## Education (Main):

- March 2014 Faculty of Veterinary Medicine, University of Lisbon, Portugal - **PhD in Veterinary Sciences**
- April 2010 CIISA – Faculty of Veterinary Medicine (FMV) – **Couse on Laboratory Animal Science** – Recognized by FELASA level C.
- 2003-2009 Faculty of Veterinary Medicine – Technical University of Lisbon, Portugal - **Master's degree in Veterinary Medicine**

## Awards (related to area):

- October 2017 Born From Knowledge awarded by the Portuguese Innovation Agency, with the EntoGreen project
- October 2017 Startup showcase awarded during the Agri Innovation Summit, with the EntoGreen project
- May 2017 Honorable mention from Business Model Canvas Prize awarded by the European Commission, with the EntoGreen project
- December 2015 Honorable mention from Entrepreneurship and innovation Prize awarded by the Crédito Agrícola Bank, with the Ingredient Odyssey project

## Technical articles (main related to area):

- May 2019 Insetos – O motor da economia circular no sector agroalimnetar; Murta,D., Nunes, R., Moreira,O. (2019) Revista Vida Rural nº 1847 Maio 19
- August 2018 Carolino, I., Murta, D., Nunes, R., Carolino, N. (2018). Revista Voz do Campo. AgroCiência, nº 218, Agosto 18. Insects – the alternative protein in birds feed November 2016 Murta, D., Nunes R., Moreira, R. (2016). A new opportunity to the agri-food residues. *Revista Agrotejo*, 26.
- July 2016 Murta, D., Nunes R., Moreira, R. (2016). Insects: one nutritional and environmental solution. *Alimentação Animal*, 96.

December 2015 Murta, D., Nunes R., Moreira, O. (2015). The role of insects in the Portuguese pig farms. *Suinicultura*, 110.

**Oral Presentations (main five related to area):**

November 2019 INSETEC, Montes Claros, Brasil. Murta, D. - Brief history of Portuguese insecticulture and main results of the EntoValor project

September 2019 The 21st World Veterinary Poultry Association Congress - Poultry: The value protein for one's health, Bangkok, Thailand. Fortunato, R.; Saavedra, M.; Nunes, R.; Nardozi, B.; Moreira, O.; Murta, D. - Use of insect meal for total replacement of soybean cake in laying hens

August 2019 EAAP Annual Meeting 2019, Ghent, Belgium. D. Murta; M. A. Machado; R. Nunes; J. Almeida; O. Moreira - Effects of replacing soybean with Black Soldier Fly (*Hermetia illucens*) in broiler feeding programs

April 2019 5th International Poultry Congress, Antalya, Turkey. Machado, MA., Nardozi, B., Almeida, J., Nunes, R., Lordelo, M., Moreira, O., Murta, D. - Effects resulting the replacement of soybean with insect larvae (Black Soldier fly, *Hermetia illucens* L. (1758)) in broiler feeding programs

August 2018 EAAP Annual Meeting 2018, Dubrovnik, Croacia. Moreira, O., Nardozi, B., Nunes, R., Murta, D. - Nutritive value of larvae of Black Soldier Fly (*Hermetia illucens*) reared with onion residues.

**Research articles:**

Fev 2021 Batista M. R., Diniz P., Murta D., Torres A, Lopes-da-Costa L., Silva E. (2021). Balanced Notch-Wnt signaling interplay is required for mouse embryo and fetal development. *Reproduction*, Feb 1; REP-20-0435.R1. doi: 10.1530/REP-20-0435.

Jan 2021 Menino R., Felizes F., Castelo-Branco M.A., Fareleira P., Moreira O., Nunes R., Murta D. (2020). Agricultural value of Black Soldier Fly larvae frass as organic fertilizer on ryegrass. *Heliyon*, volume 7, issue 1, E05855 doi.org/10.1016/j.heliyon.2020.e05855

Nov 2020 Murta D., Silva E., Trindade A., Henrique D., Duarte A., Lopes-da-Costa L. (2020) Unraveling Notch Signaling in Reproductive Biology. In: Freitas Duarte A., Lopes da Costa L. (eds) *Advances in Animal Health, Medicine and Production*. Springer, Cham. [https://doi.org/10.1007/978-3-030-61981-7\\_21](https://doi.org/10.1007/978-3-030-61981-7_21)

Nov 2020 Costa S., Pedro S., Lourenço H., Batista I., Teixeira B., Bandarra N.M., Murta D., Nunes R., Pires C. (2020). Evaluation of *Tenebrio molitor* larvae as an alternative food source. *NFS Journal*, Volume 21, November 2020, Pages 57-64

October 2020 Almeida C., Murta D., Nunes R., Rolim Baby A., Rijo P., Rosado C. (2020). Preliminary evaluation of the antimicrobial activity of different *Hermetia illucens* larvae extracts for application as a cosmetic ingredient. *Biomed Biopharm Res.*, 2020; 17(2): 1-10. DOI: 10.19277/bbr.17.2.242

April 2020 Batista, M., Dinis, P., Torres, A., Murta, D., Lopes da Costa, L., Silva, E. (2020). Notch signaling in mouse blastocyst development and hatching. *BMC Developmental Biology* DOI: 10.21203/rs.3.rs-22442/v1

January 2016 Murta, D., Batista, M., Silva, E., Trindade, A., Henrique, D., Duarte, A., Lopes da Costa, L. (2016). Notch signaling in the epididymal epithelium regulates sperm motility and is transferred at a distance within epididymosomes. *Andrology*. DOI: 10.1111/andr.12144

- April 2015 Murta, D., Batista, M., Trindade, A., Silva, E., Henrique, D., Duarte, A., Lopes da Costa, L. (2015). Dynamics of Notch signalling in the mouse oviduct and uterus during the oestrous cycle. *Reproduction, Fertility and Development*. DOI: 10.1071/RD15029
- Nov. 2014 Murta, D., Batista, M., Trindade, A., Silva, E., Henrique, D., Duarte, A., Lopes da Costa, L. (2014). In vivo notch signaling blockade induces abnormal spermatogenesis in the mouse. *Plos One*, 9 (11): e113365. DOI: 10.1371/journal.pone.0113365
- April 2014 Murta, D., Batista, M., Silva, E., Trindade, A., Mateus, L., Duarte, A., Lopes da Costa, L. (2014). Differential expression of Notch component and effector genes during ovarian follicle and corpus luteum development during the oestrous cycle. *Reproduction, Fertility and Development*. DOI: 10.1071/RD13399
- August 2013 Murta, D., Batista, M., Silva, E., Trindade, A., Henrique, D., Duarte, A., Lopes da Costa, L. (2013). Dynamics of Notch pathway expression during mouse testis post-natal development and along the spermatogenic cycle. *Plos One*, 8 (8). DOI: 10.1371/journal.pone.0072767