

Joana Nery

Ricercatore universitario/*Researcher*

Università di Torino, Dipartimento di Scienze Veterinarie

Largo Paolo Braccini 2

10095 Grugliasco (TO)

Tel. (+39) 011 670 92 61

E-mail joana.nery@unito.it

Curriculum vitae

Ricercatrice presso il Dipartimento di Scienze Veterinarie, laureata in Ingegneria Zootecnica presso l'Università di Evora (Portogallo) e dottore di ricerca in Nutrizione presso l'Università di Nantes (Francia). I principali interessi di ricerca sono rivolti alla tolleranza digestiva nel cane, alla biomeccanica di cavalli e cavalieri, all'impatto ambientale delle produzioni zootecniche ed alla nutrigenomica in produzioni animali. Fra le numerose partecipazioni a congressi nazionali ed internazionali è autrice di 23 pubblicazioni scientifiche internazionali nell'ambito della nutrizione animale.

I am a Researcher at the Department of Veterinary Sciences, graduated in Animal Production at the University of Evora (Portugal) followed by a PhD in Animal Nutrition at the University of Nantes (France). My main research topics are related with digestive tolerance in dogs, horse and rider biomechanics, and nutrigenomics in animal science. I have participated at several national and international congresses and I have co-authored 23 publications in animal nutrition in international scientific journals.

Pubblicazioni Publications

1. Vinassa, M., Cavallini, D., Galaverna, D., Baragli, P., Raspa, F., **Nery, J.**, Valle, E. (2020) Palatability assessment in horses in relation to lateralization and temperament. *Applied Animal Behaviour Science*, 232, art. no. 105110.
2. Raspa, F., Tarantola, M., Bergero, D., **Nery, J.**, Visconti, A., Mastrazzo, C.M., Cavallini, D., Valvassori, E., Valle, E. (2020) Time-budget of horses reared for meat production: Influence of stocking density on behavioural activities and subsequent welfare. *Animals*, 10 (8), art. no. 1334, pp. 1-14.
3. Castillo, A., Schiavone, A., Cappai, M.G., **Nery, J.**, Gariglio, M., Sartore, S., Franzoni, A., Marzoni, M. (2020) Performance of slow-growing male muscovy ducks exposed to different dietary levels of quebracho tannin. *Animals*, 10 (6), art. no. 979.
4. Soglia, D., Sartore, S., Maione, S., Schiavone, A., Dabbou, S., **Nery, J.**, Zaniboni, L., Marelli, S., Sacchi, P., Rasero, R. (2020) Growth performance analysis of two italian slow-growing chicken breeds: Bianca di saluzzo and Bionda piemontese. *Animals*, 10 (6), art. no. 969, pp. 1-16.
5. Vinassa, M., Vergnano, D., Valle, E., Giribaldi, M., **Nery, J.**, Prola, L., Bergero, D., Schiavone, A. (2020) Profiling Italian cat and dog owners' perceptions of pet food quality traits. *BMC Veterinary Research*, 16 (1), art. no. 131.
6. Marzoni, M., Castillo, A., Franzoni, A., **Nery, J.**, Fortina, R., Romboli, I., Schiavone, A. (2020) Effects of dietary quebracho tannin on performance traits and parasite load in an italian slow-growing chicken (White livorno breed) *Animals*, 10 (4), art. no. 684, .
7. Dabbou, S., Trocino, A., Xiccato, G., **Nery, J.**, Madrid, J., Martinez, S., Hernández, F., Kalmar, I.D., Capucchio, M.T., Colombino, E., Biasato, I., Bailoni, L., Gasco, L., Mugnai, C., Schiavone, A. (2020) The effect of dietary supplementation with globin and spray-dried porcine plasma on performance, digestibility and histomorphological traits in broiler chickens. *Journal of Animal Physiology and Animal Nutrition*, doi: 10.1111/jpn.13356. Online ahead of print.

8. Valle, E., Prola, L., Vergnano, D., Borghi, R., Monacelli, F., Traverso, N., Bruni, N., Bovero, A., Schiavone, A., **Nery, J.**, Bergero, D., Odetti, P. (2019). Investigation of hallmarks of carbonyl stress and formation of end products in feline chronic kidney disease as markers of uraemic toxins. *Journal of Feline Medicine and Surgery*, 21 (6), pp. 465-474.
9. Dabbou, S., Schiavone, A., Gai, F., Martinez, S., Madrid, J., Hernandez, F., Martínez Marín, A.L., Soglia, D., Sartore, S., Kalmar, I.D., Gasco, L., **Nery, J.** (2019). Effect of dietary globin, a natural emulsifier, on the growth performance and digestive efficiency of broiler chickens. *Italian Journal of Animal Science*, 18 (1), pp. 530-537.
10. **Nery, J.**, Racioppi, F., Valle, E., Assenza, A., Bergero, D. (2018) Proof of Concept on Energy Expenditure Assessment Using Heart Rate Monitoring and Inertial Platforms in Show-jumping and Riding School Horses. *Journal of Equine Veterinary Science*, 61, pp. 1-6.
11. **Nery, J.**, Gasco, L., Dabbou, S., Schiavone, A. (2018). Protein composition and digestibility of black soldier fly larvae in broiler chickens revisited according to the recent nitrogen-protein conversion ratio. *Journal of Insects as Food and Feed*, 4 (3), pp. 171-177.
12. Prola, L., **Nery, J.**, Dumon, H., Nguyen, P., Masoero, G., Mussa, P.P. (2013) Effect of dietary supplementation with lysozyme on coat quality and composition, haematological parameters and faecal quality in dogs. *Journal of Applied Animal Research*, 41 (3), pp. 326-332.
13. Prola, L., **Nery, J.**, Lauwaerts, A., Bianchi, C., Sterpone, L., De Marco, M., Pozzo, L., Schiavone, A. (2013) Effects of N,N-dimethylglycine sodium salt on apparent digestibility, vitamin E absorption, and serum proteins in broiler chickens fed a high- or low-fat diet. *Poultry Science*, 92 (5), pp. 1221-1226.
14. Valle, E., Odore, R., Zanatta, P.R., Badino, P., Girardi, C., **Nery, J.**, Assenza, A., Bergero, D. (2013) Estimation of the workload in horses during an eventing competition. *Comparative Exercise Physiology*, 9 (2), pp. 93-101.
15. Assenza, A., Tosto, F., Piccione, G., Fazio, F., **Nery, J.**, Valle, E., Bergero, D. (2012) Lipid Utilization Pathways Induced by Early Training in Standardbred Trotters and Thoroughbreds. *Journal of Equine Veterinary Science*, 32 (11), pp. 704-710.
16. **Nery, J.**, Goudez, R., Biourge, V., Tournier, C., Leray, V., Martin, L., Thorin, C., Nguyen, P., Dumon, H. (2012) Influence of dietary protein content and source on colonic fermentative activity in dogs differing in body size and digestive tolerance. *Journal of Animal Science*, 90 (8), pp. 2570-2580.
17. Schiavone, A., Marzoni, M., Castillo, A., **Nery, J.**, Romboli, I. (2010) Dietary lipid sources and vitamin E affect fatty acid composition or lipid stability of breast meat from Muscovy duck [Effet des sources de lipides et du contenu en vitamine E des régimes alimentaires sur la composition en acides gras et la stabilité des lipides du filet de canard de Barberie]. *Canadian Journal of Animal Science*, 90 (3), pp. 371-378.
18. Schiavone, A., **Nery, J.**, Choque-López, J.A., Baucells, M.D., Barroeta, A.C. (2010) Dietary lipid oxidation and vitamin E supplementation influence *in vivo* erythrocyte traits and postmortem leg muscle lipid oxidation in broiler chickens [L'oxydation des lipides alimentaire et la supplémentation en vitamine E influencent *in vivo* les caractéristiques des érythrocytes et post-mortem l'oxydation des lipides intramusculaires chez le poulet de chair]. *Canadian Journal of Animal Science*, 90 (2), pp. 197-202.
19. **Nery, J.**, Biourge, V., Tournier, C., Leray, V., Martin, L., Dumon, H., Nguyen, P. (2010) Influence of dietary protein content and source on fecal quality, electrolyte concentrations, and osmolarity, and digestibility in dogs differing in body size. *Journal of Animal Science*, 88 (1), pp. 159-169.
20. Hernot, D.C., **Nery, J.**, Biourge, V.C., Martin, L.J., Dumon, H.J., Nguyen, P.G. (2009) Colonic permeability is higher in Great Danes compared with smaller breed-dogs. *Journal of Animal Physiology and Animal Nutrition*, 93 (6), pp. 703-709.
21. Bergero, D., **Nery, J.** (2008) Hepatic diseases in horses. *Journal of Animal Physiology and Animal Nutrition*, 92 (3), pp. 345-355.
22. **Nery, J.**, Schelino, G., O'Sullivan, J.A., Perona, G., Bergero, D. (2006) DOD incidence in thoroughbred foals between 23 and 45 weeks of age - Growth, nutrition and genetic factors *Animal Research*, 55 (6), pp. 591-601.
23. **Nery, J.**, Assenza, A., Pinna, W., Sfuncia, A., Bergero, D. (2005) A study of horse's blood constituents and weight variations during endurance competitions *Pferdeheilkunde*, 21 (SUPPL.), pp. 103-104.

Presentazioni a Congressi nazionali ed internazionali

National and International Congress Presentations

Kalmar I.D., Caimi C., Gai F., Schiavone A., **Nery J.**, Gasco L. (2020) Suitability of blood by-products for use as a sustainable protein source in diets for rainbow trout depends on processing method. 24th ESVCN congress proceedings, Turin (Italy) 17-19 September, online hosted by Ludwig-Maximilians-Universität München (Germany).

Nery J., Soglia D., Sartore S., Maione S., Viola I., Dabbou S., Sacchi P., Rasero R., Bergero D., Bianchi C., Gai F., Renna M., Gasco L., Schiavone A. (2019) Immune responses gene expression in broiler chickens fed mealworm meal. 23rd ESVCN congress proceedings, Turin (Italy) 18-20 September.

Vinassa M., Cavallini D., Galaverna D., Baragli P., **Nery J.**, Valle E. (2019) Preliminary results on the influence of laterality in ponies during a two choice palatability test. 23rd ESVCN congress proceedings, Turin (Italy) 18-20 September.

Vinassa M., **Nery J.** (2019) Preliminary results on a survey on BARF diet in dogs. 23rd ESVCN congress proceedings, Turin (Italy) 18-20 September.

Russo N., Valle E., Siccardi E., **Nery J.**, Vergnano D., Candellone A., Prola L., Bergero D. (2018) Metabolic parameters of energy utilization in non-finisher endurance horse competing in hot and deep sand conditions. 22nd ESVCN congress proceedings, Munich (Germany) 6-8 September.

Dabbou S., Kalmar I., **Nery J.**, Mugnai C., Gasco L., Gai F., Martinez S., Madrid J., Hernandez F., Schiavone A. (2018) The effect of globin, a water-soluble emulsifier, and spray-dried porcine plasma on broiler diets. 22nd ESVCN congress proceedings, Munich (Germany) 6-8 September.

Nery J., Soglia D., Sartore S., Maione S., Viola I., Dabbou S., Sacchi P., Rasero R., Valle E., Bergero D., Bianchi C., Gai F., Renna M., Gasco L., Schiavone A. (2018) Lipid metabolism gene expression in broiler chickens fed mealworm meal. 22nd ESVCN congress proceedings, Munich (Germany) 6-8 September.

Nery J., Dabbou S., Gai F., Martinez S., Madrid J., Hernandez-Ruiperez F., Gasco L., Schiavone A., Kalmar I.D. (2018) Efficacy of dietary Globin, a protein-based emulsifier, in broiler feed. 6th Mediterranean Poultry Summit, Turin (Italy) 18-20 June.

Nery J., Soglia D., Sartore S., Maione S., Viola I., Sacchi P., Rasero R., Valle E., Bergero D., Bianchi C., Gai F., Zoccarato I., Gasco L., Schiavone A. (2017) Protein metabolism gene expression in poultry fed mealworm meal. 21st ESVCN congress proceedings, Cirencester (UK) 21-23 September.

Vergnano D., Renna M., Russo N., **Nery J.**, Bergero D., Fortina R., Raspa F., Cavallarin L., Tassone S., De Marco M., Valle E. (2017) In vivo digestibility evaluation in donkey. 21st ESVCN congress proceedings, Cirencester 21-23 September.

Nery J., Soglia D., Bianchi C., Maione S., Viola I., Sartore S., Rasero R., Zoccarato I., Gasco L., Bergero D., Sacchi P., Zoccarato I., Gasco L., Schiavone A. (2016) Preliminary results on TLR mRNA expression in intestinal

samples of poultry fed *Tenebrio molitor* meal. 20th ESVCN congress proceedings, Berlin (Germany) 15th - 17th September.

Pannese F., Valle E., Bergero D., **Nery J.** (2015) Horse endurance races in the North West of Italy: main causes of elimination and predisposing factors. 19th ESVCN congress proceedings, pp. 112, Toulouse (France) 17-19 September.

Pannese F., **Nery J.**, Bertolotti L., Bergero D., Valle E. (2015) Assessment of metabolic condition and BCS in endurance horses at the vet gate: two-year study during official competitions in North-West Italian regions. 19th ESVCN congress proceedings, pp. 31, Toulouse (France) 17-19 September.

Assenza A., Tosto F., **Nery J.**, Valle E., Bergero D. (2015) Comparative analysis of movement in thoroughbred and saddle horses using an IMU system. 19th ESVCN congress proceedings, pp. 105, Toulouse (France) 17-19 September.

Nery J., Valle E., Bergero D. (2015) Cadmium and horses: past studies and future perspectives. II Cadmium Symposium 2015, Sassari (Italy) 25-17 June.

Nery J., Valle E., Racioppi F., Ghidoli G., Bergero D. (2014) Are inertial systems useful to determine energy expenditure in horses? Proceedings of the 18th congress of the European Society of Veterinary and Comparative Nutrition, Utrecht (The Netherlands) 11-13 September.

Nery J., Valle E., Bergero D. (2014) Estimation of energy requirements in horses using innovative inertial systems. International Workshop on "New updates in Animal Nutrition, Natural Feeding Sources and Environmental Sustainability", Arzachena (Italy), 5-6 May.

Nery J., Valle E., Minuti A., Bertoni G., Bergero D. (2013) Evaluation of gastrointestinal permeability in endurance horses at rest using the dual-sugar technique. Proceedings of the 17th congress of the European Society of Veterinary and Comparative Nutrition, Ghent (Belgium) 19-21 September.

Bisacco F., **Nery J.**, Valle E., Bergero D. (2013) Évaluation de l'interaction cheval-patient pendant un programme de thérapie assisté par le cheval chez les patients psychiatriques (2013) 39^{ème} Journée de la Recherche Equine, Paris (France), 28 February.

Schiavone A., Bianchi C., **Nery J.**, Pozzo L., Prola L., Sterpone L., Valle E., Nurisso S., Lauwearts A., Bergero D. (2011). Effects of Sodium Dimethyl Glycinate on nutrient digestibility in boiler chicken. Proceedings of the 15th ESVCN Congress, Zaragoza (Spain), 14-16 September, p. 125.

Bisacco F., **Nery J.**, Valle E., Bergero D., Bisacco G. (2011) Efficacia dell'approccio biopsicosociale integrato all'ippoterapia con pazienti psichiatrici - Analisi longitudinale degli effetti. Atti del convegno "Cavalieri di Confine oggi: analisi delle retrospettive", Centro Internazionale del Cavallo, Druento (TO, Italy), 2 Dicembre.

Bisacco F., **Nery J.**, Bergero D., Bisacco G. (2010) Relationship between horse behavior during therapy and behavioral, emotional and affective responses of psychotic patients. In: Atti 12° Convegno Nuove acquisizioni in Materia di Ippologia/New findings in equine practice. Centro Internazionale del Cavallo, Druento (TO, Italy), 11-13 November, p. 21-24.

Nery J., Leray V., Biourge V., Martin L., Dumon H., Nguyen P. (2010) Influence of dietary protein on fecal quality and gene expression of apoptosis- and immune-related genes in the colon of miniature poodles and German shepherds. FASEB J. 24:725.7.

Nery J., Centinaio A., Luparia P., Zanierato A., Valle E., De Innocenti P., Tosto F., Assenza A., Bergero D. (2009) Risultati preliminari di un nuovo integratore per cavalli sportivi: SOP GO HORSE su recupero, metabolismo muscolare e idratazione. In: Atti 11° Convegno Nuove acquisizioni in Materia di Ippologia, p. 32-37, Centro Internazionale del Cavallo, Druento (TO, Italy), 3-4 Dicembre.

Centinaio A., **Nery J.**, Accorinti I., Zanierato A., Bergero D. (2009) Case study: improvement of recovery and hydration status in endurance horses by oral administration of a new feed additive: SOP EQUWHITE. 13th ESVCN Congress Proceedings, p. 67, Oristano (Italy), 15-17 October.

Mussa P.P., **Nery J.**, Masoero G., Prola L. (2009) Supplementation with lysozyme in dog: effect on coat, haematological parameters and fecal volatile fatty acids concentration. 13th ESVCN Congress Proceedings, p. 59, Oristano (Italy), 15-17 October.

Nery J., Leray V., Biourge V., Martin L., Dumon H., Nguyen P. (2009) Influence of dietary protein on fecal quality and colonic tight junction gene expression in miniature poodles and German shepherds. *J. Anim. Sci.* 87, esuppl. 2/j:316.

Nery J., Leray V., Tournier C., Biourge V., Martin L., Dumon H., Nguyen P. (2009) Influence of dietary protein source and content on fecal quality and gene expression of water and electrolyte transporters of colon in miniature poodles and German shepherds. *J. Vet. Intern. Med.* 23(3):715.