

CURRICULUM VITAE

Ionelia TARANU

Born on the 25. 07. 1959 in Ostrovul – Mare, Romania

Romanian Nationality

Not married

ACADEMIC QUALIFICATIONS:

- 2002: Diploma of Immunology Course, Pasteur Institute, Paris, France
- 1998: Ph.D. of the Academy of Agricultural and Forestry Sciences, Bucharest, Romania
- 1984: Diploma of Bachelor of Science, University of Bucharest, Faculty of Biology

PRESENT ORGANISATION AND POSITION:

Institute of Biology and Animal Nutrition. Head of the Department of Animal Biology.

- My expertise in the feed/food field is mainly in the domains of nutrition and immunology. My research work is substantiated in 45 scientific publications, mainly dealing with: (i) Impact of feed quality on animal health: research focus on the effect of feed contaminants (mycotoxins) and feed composition on immune response (inflammation and cytokine network) and (ii) improvement of feed quality: research focus on the optimisation of dietary vitamin supplementation in farm animal.
- I have over 15 years of experience in the coordination of national and international projects and won important experience in the study of mycotoxins during the 4 years of postdoc studies in France-INRA, Laboratory of Pharmacology and Toxicology Toulouse (Grant of excellence of the Agency of French-speaking countries, NATO and INRA scholarships). Since 2003 I have been involved in european research projects: FP5 („*Healthypigut*” (QLK-CT-2000-00522), FP6 (FOOD -CT40-2004-506144) and FP7 (FEED-TO-FOOD –CT-2008-212110), COST (FEED FOR HEALTH-FA0802-2008), ECO-NET, BRANCUSI, etc.
- Between 2001-2004 and 2006-2009 I have been the local coordinator of the bilateral project: *Network research training between France and Central and Eastern Europe: „Reseau Formation Recherche”*, which give me experience in supervising MS and PhD students. Moreover, in 2007, 2008 and 2009 I was member in the PhD commission of three Romanian young researchers: Cristina Tabuc (INCDBNA), Radu DUCA (INCDBNA) and Cornelia BRAICU (USAMV Cluj).
- I am Independent Evaluator expert (ID: EX2002B070822) of the European Commission and scientific referent for Journal of Veterinary Medicine; Animal Feed Science and Technology; Journal of Food Biochemistry; Archiva Zootechnica.

List of selected articles

1. Marin Daniela Eliza, Gouze Marie-Estelle, **Taranu Ionelia** and Oswald Isabelle. 2007. Fumonisin B1 alters cell cycle progression and interleukin-2 synthesis in swine peripheral blood mononuclear cells. *Mol. Nutr. Food Res*, 51: 1406 – 1412.
2. Daniela E. Marin, **Ionelia Taranu**, Florentina Pascale, Alexandru Lionide, Radu Burlacu, Jean-Denis Bailly and Isabelle P. Oswald. 2006. Sex-related differences in the immune response of weanling piglets exposed to low doses of fumonisin extract. *British J. Nutr.*, 95: 1-9.
3. Meissonnier G.E, Marin D.E., Galtier P., Bertin G., **Taranu I.**, Oswald I.P. Modulation of the immune response by a group of fungal contaminant, the aflatoxins. In: *Nutrition and Immunity*. 2006. Research Signpost publisher. ISBN: 81-7736-251-8, Trivandrum-695023, KERALA, 148-156.
4. **I.Taranu**, D.E. Marin, , S. Bouhet, F. Pascale, J.-D. Bailly and I.P. Oswald. In vivo and in vitro effect of Fumonisin B1 on cytokine production: implication for the immune response vaccination. In: *Mycotoxins and phycotoxins. Advances in determination, toxicology and exposure management*. 2006. Wageningen Academic Publishers, the Netherlands, IUPAC, AOAC International. ISBN: 10-90-8686-007-9, 157-167.
5. Daniela E. Marin, **Ionelia Taranu**, Sandrine Bouhet and Isabelle P. Oswald. 2006. Effects of a food contaminant, the mycotoxin fumonisin FB1, on cytokine production: implication for the immune response to vaccination. *Current Trends in Immunology*, 7: 137-143.
6. Francis Girard, Isabelle P. Oswald, **Ionelia Taranu**, Greg D. Appleyard, Pierre Hélie, Josée Harel et John M. Fairbrother. 2005. Host immune status influences the development of attaching and effacing lesions in weaned pigs. *Infect Immun.*, 73: 5514-23.
7. **Taranu I.**, D. Marin, S. Bouhet, F. Pascale, J.D. Bailly, D. Miller, P. Pinton, and I Oswald. 2005. Fumonisin B₁, a toxin produced by *fusarium verticillioides*, alters the Th1/Th2 cytokine balance and decreases specific antibody titer in piglets. *Toxicological Sci.*, 84:301-307.
8. I. P. Oswald, D. E. Marin, S. Bouhet, P. Pinton, **I. Taranu**, & F. Accensi. 2005. Immunotoxicological risk of mycotoxins for domestic animals. *Food Additives and Contaminants*, 22: 354-60.
9. Oswald I.P., Bouhet S., Marin D.E., Pinton P. and **Taranu I.** 2003. Mycotoxin effects on the pig immune system. *Feed Compounder*, sept. 16-20.
10. Marin D.E, **Taranu I.**, Bunaciu R.P, Pascale F., Tudor D.S., Avram N., Sarca M., Cureu I., Criste R.D., Suta V., Oswald I.P. 2002. Changes in performance, blood parameters, humoral and cellular immune responses in weanling piglets exposed to low doses of aflatoxin B₁. *J. Anim. Sci.*, 80: 1250-1257.
11. Burlacu Gh., **I. Taranu**, R. D. Criste, A. Cavache, R Burlacu and M. Olteanu. 1996. The pattern of nutrient and energy utilization, relation and the chemical composition of body in broilers from hatching to maturity. *Arch. Anim. Nutrition*, 48: 1-24.