CURRICULUM VITAE

Daniela Eliza MARIN

DATE PERSONALE

Data si locul nasterii: 30.05.1972; Bucuresti
Nationalitatea: Română
Stare civila: casatorita
telefon: 0040-021 351 20 82
e-mail: daniela.marin@ibna.ro

STUDII:

Sept - Dec 2007	Studii postdoctorale : Institut National de la Recherche Agronomique, Toulouse, France, Lab. De Farmacologie –Toxicologie
Apr. – Iun 2006	Studii postdoctorale : Institut National de la Recherche Agronomique, Toulouse, France, Lab. De Farmacologie –Toxicologie
2000 – 2005:	Facultatea de Biologie, Universitatea Bucuresti Universitatea Paul Sabatier, Toulouse, Franţa, doctorat in cotutela, doctor in Biologie (2005)
1996 – 1997:	Facultatea de Biologie, Universitatea Bucuresti, Masterat în Biologie (1997)
1990 - 1996:	Facultatea de Biologie, Universitatea Bucuresti, Licenţă în Biologie (1996)

SPECIALIZARI

2006	Specializare in tehnici de culturi celulare: INRAN (Istituto Nazionale di Ricerca per gli Alimenti e la Nutrizione), Laboratory of the Experimental Nutrition, Rome, Italy
2004	„Manipulation and protection of the laboratory animals", Ecole Nationale Vétérinaire de Toulouse, France
2000	„Specialisation in PCR tehniques" Institut National de la Recherche Agronomique, Lab. of Pharmacology –Toxicology, Toulouse, France

EXPERIENTA PROFESIONALA:

1996 - prezent:	Institutul National de Cercetare Dezvoltare pentru Biologie si Nutritie Animala (IBNA –Balotesti)
Evolutie:	1996 – 2001: asistent cercetare 2001 – 2005: cercetator stiintific 2005- 2010: cercetator stiintific grd III 2010- 2015: cercetator stiintific grd II 2015- prezent : cercetator stiintific grd I

Domenii de interes: a) impactul calității alimentelor asupra sănătății animale: cercetări pentru *(i)* modularea răspunsului imun și a apărării antioxidante la animalele de fermă sub acțiunea a diferiți contaminanți; *(ii)* efectul aditivilor alimentari (extracte de plante, subproduse, deșeuri din industria alimentară, etc) asupra sănătății animalelor de fermă; identificarea unor noi soluții nutriționale pentru reducerea efectelor negative ale contaminaților alimentari asupra sănătății animale b) îmbunătățirea calității alimentelor: studiul unor noi ingrediente furajere și al rolului lor în bolile metabolice; utilizarea porcului ca model pentru om.

Rezultate principale: (i) 126 de lucrări publicate în reviste internaționale și naționale din care 25 articole în reviste ISI, în domeniul toxicologiei, nutriției animale, sănătății animale și siguranței alimentare *(ii)* co-autor la două brevete pentru suplimente alimentare *(iii)* două cărți în domeniul toxicologiei *(iv)* trei capitole de carte în domeniul toxicologiei.

LIMBI STRAINE

Franceza – f.bine
Engleza – bine.

ALTE COMPETENTE

- Word, Excel, Power Point
- Secretar ştiinţific al Consiliului Stiintific al INCDBNA
- Recenzor pentru numeroase reviste ISI din domeniile : Toxicologie, Nutritie, Immunologie
- Membru al echipei Editoriale pentru revistele : Arhiva Zootehnica ;
  Romanian Biotehnology Letters

LUCRĂRI PUBLICATE

- Marin DE, Braicu C, Gras MA, Pistol GC, Petric RC, Berindan Neagoe I, Palade M, Taranu I. Low level of ochratoxin A affects genome-wide expression in kidney of pig. Toxicon. 2017 Sep 15;136:67-77. doi: 10.1016/j.toxicon.2017.07.004. Epub 2017 Jul 6.
- Marin DE, Pistol GC, Gras MA, Palade ML, Taranu I. Comparative effect of ochratoxin A on inflammation and oxidative stress parameters in gut and kidney of piglets. Regul Toxicol Pharmacol. 2017 Jul 29;89:224-231. doi: 10.1016/j.yrtph.2017.07.031.
- Marin D.E., Motiu M. , Pistol G. C., Gras M.A. , Israel-Roming F., Calin L. , Stancu M. , Taranu I. 2016. Diet contaminated with ochratoxin A at the highest level allowed by EU recommendation disturbs liver metabolism in weaned piglets. World Mycotox J. 9 (4): 587 - 596
- Alassane-Kpembi I, Schatzmayr G, Marin DE, Taranu D, Puel O, Oswald IP. 2016. Mycotoxins co-contamination: Methodological aspects and biological relevance of combined toxicity studies. Crit. Rev. Food Sci. Nutr. DOI: 10.1080/10408398.2016.1140632
- Braicu C., Cojocneanu-Petric R., Jurj A., Gulei D., Taranu I., Gras A. M, Marin DE, Berindan-Neagoe I. 2016. Microarray based gene expression analysis of Sus Scrofa duodenum exposed to zearalenone: significance to human health; BMC Genomics 17:646.
- Braicu C., Selicean S, Cojocneanu-Petric R., Lajos R., Balacescu O., Taranu I., Marin DE, Motiu M, Jurj A, Achimas-Cadariu P, Berindan-Neagoe I. 2016. Evaluation of cellular and molecular impactof zearalenone and Escherichia coli co-exposure on IPEC-1 cells using microarray technology BMC Genomics 17:576.
- Marin DE, Motiu M, Taranu I. 2015. Food contaminant zearalenone and its metabolites affect cytokine synthesis and intestinal epithelial integrity of porcine cells. Toxins (Basel). 2015 29;7(6):1979-88. doi: 10.3390/toxins7061979.
- Taranu I, Marin DE, Pistol GC, Motiu M, Pelinescu D.Induction of pro-inflammatory gene expression by Escherichia coli and mycotoxin zearalenone contamination and protection by a Lactobacillus mixture in porcine IPEC-1 cells.Toxicon. 2015 Apr;97:53-63. doi: 10.1016/j.toxicon.2015.01.016. Epub 2015 Jan 29.
- Pistol GC, Braicu C, Motiu M, Gras MA, Marin DE, Stancu M, Calin L, Israel-Roming F, Berindan-Neagoe I, Taranu I. 2015. Zearalenone mycotoxin affects immune mediators, MAPK signalling molecules, nuclear receptors and genome-wide gene expression in pig spleen. PLoS One. 2015 May 26;10(5):e0127503. doi: 10.1371/journal.pone.0127503. eCollection 2015.

- Manda G, Mocanu MA, Marin D.E, Taranu I. 2015. Dual effects exerted in vitro by micromolar concentrations of deoxynivalenol on undifferentiated caco-2 cells. Toxins (Basel). 16;7(2):593-603. doi: 10.3390/toxins7020593
- Marin D.E and Taranu I. 2015. Ochratoxin A and its effects on immunity. Toxin reviews. 34, 1, 11-20, 5 year impact factor: 0,84.
- Taranu I, Braicu C, Marin D.E, Pistol G.C, Motiu M, Balacescu L, Beridan Neagoe I, Burlacu R. 2014. Exposure to zearalenone mycotoxin alters in vitro porcine intestinal epithelial cells by differential gene expression.Toxicol Lett. 23;232(1):310-325. doi: 10.1016/j.toxlet.2014.10.022.
- Taranu I, Gras M, Pistol GC, Motiu M, Marin D.E, Lefter N, Ropota M, Habeanu M. 2014. Effect of camelina by-product (oil cakes) on defence response in fatening pigs. Plos One, in press Published: October 10, , DOI: 10.1371/journal.pone.0110186, 5 year impact factor: 4,24.
- Habeanu M., Lefter N., Gheorghe A., Nagy Al., Marin D. E. Ropota M. 2014. Effects of dietary flaxseed oil on the muscle fatty acid composition in Mangalitsa pigs in an extensive rearing system. South Afr J Anim Sci. 44 (3), 240-244.
- Trimech I, Weiss EK, Chedea VS, Marin D.E, Detsi A, Ioannou E, Roussis V, Kefalas P. 2014. Evaluation of anti-oxidant and cetylcholinesterase Activity and Identification of Polyphenolics of the Invasive Weed Dittrichia viscosa. Phytochem Anal. Sep;25(5):421-8. doi: 10.1002/pca.2510. Epub 2014 Apr 14, 5 year impact factor:1,85
- Pistol GC, Gras MA, Marin D.E, Israel-Roming F, Stancu M, Taranu I. 2013. Natural feed contaminant zearalenone decreases the expressions of important pro- and anti-inflammatory mediators and mitogen-activated protein kinase/NF-κB signalling molecules in pigs. Br J Nutr. Aug 20:1-13.
- Marin, D.E., Pistol G.C., Neagoe I.V., Calin L., Taranu I. 2013. Effects of zearalenone on oxidative stress and inflammation in weanling piglets. Food and Chemical Toxicology. 58 408–415
- Marin, D.E. , Taranu, I. Overview on aflatoxins and oxidative stress (Review). 2012. Toxin Reviews Volume 31, Issue 3-4, November 2012, Pages 32-43
- Streit E, Schatzmayr G, Tassis P, Tzika E, Marin D, Taranu I, Tabuc C, Nicolau A, Aprodu I, Puel O, Oswald IP. 2012. Current Situation of Mycotoxin Contamination and Co-occurrence in Animal Feed-Focus on Europe. Toxins (Basel). 4(10):788-809
- Taranu I., Marin D.E., Untea A., Janczyk P., Motiu M., Criste R.D., Souffrant W.B. 2012. Effect of dietary natural supplements on immune response and mineral bioavailability in piglets after weaning. Czech J. Anim. Sci., 57, (7): 332–343
- Marin D. E., Taranu I., Burlacu R. , Manda G., Motiu M., Neagoe I.,. Dragomir C, Stancu M. , Calin L. 2011. Effects of zearalenone and its derivatives on porcine immune response, Toxicology in Vitro , 25, 1981–1988.
- Habeanu M., Hebean V., Taranu I., Ropota M., Lefter N., Marin D.E. 2011. Dietary ecologic camelina oil – a beneficial source of n-3 PUFA in muscle tissue and health status in finishing pigs. Romanian Biotechnological Letters. Vol. 16, No. 5, 5564-5571
- Taranu I., Marin D.E., Manda G., Motiu M., Neagoe I., Tabuc C., Stancu M., Olteanu M. 2011. Assessment of the potential of a boron–fructose additive in counteracting the toxic effect of Fusarium mycotoxins. British Journal of Nutrition, 106, 398-407.
- Taranu I. Marin D.E. Burlacu R. Pinton P., Damian V.; Oswald I.P. 2010,.Comparative aspects of in vitro proliferation of human and porcine lymphocytes exposed to mycotoxins . Archives of Animal Nutrition 64 (5) 383–393
- Marin D.E, Taranu I, Burlacu R, Tudor DS., 2010. Effects of zearalenone and its derivatives on the innate immune response of swine. Toxicon. 56, 956-963
- Tabuc C., Marin D.E, Guerre P., Sesan T., Bailly J.D., 2009. Molds and mycotoxin content of cereals in southeastern Romania. Journal of Food Protection, 72, 3, 662-665
- Pinton P., Nougayrede J.P., Del Rio J.C, Moreno C., Marin D.E, Ferrier L., Bracarense A.P., Kolf-Clauw M., Oswald I.P. 2009. The food contaminant deoxynivalenol, decreases intestinal barrier permeability and reduces claudin expression. Toxicology and Applied Pharmacology 237, 41-48
- Marin D.E., Taranu, I., Gouze M.E, Oswald, I. 2007. Fumonisin B1 alters cell cycle progression and interleukin-2 synthesis in swine peripheral blood mononuclear cells Molecular Nutrition and Food Research 51, 11, 1406-1412

- Marin D.E , Taranu, I., Pascale, F., Lionide, A., Burlacu, R., Bailly, J-D, Oswald, I.P. 2006. Sex related differences in the immune response of weanling piglets exposed to low doses of fumonisin extract. British Journal of Nutrition, 95: 1185-1192
- Gosjean F., Cazaux J.G., Marin D.E. et Oswald I. 2005. Effet des fumonisines et d'une association avec du déoxynivalénol sur les performances de croissance de porcelets. Journées Rech. Porcine. 37: 245-252.
- Taranu I., Marin D.E., Bouhet S., Pascale F., Bailly J.D., Miller J.D., P. Pinton and Oswald I.P. 2005.
- Mycotoxin, Fumonisin B1, alters the cytokine profile and decreases the vaccinal antibody titer in pigs. Toxicol. Sci. 84: 301–307.
- Pinton P., Royer E., Accensi F., Marin D.E., Guelfi J.F., Bourges-Abella N., Granier R., Grosjean F., and Oswald IP. 2004. Effets de la consommation d'aliments naturellement contaminés par du deoxynivalenol (DON) chez le porc en phase de croissance ou de finition. Journées Rech. Porcine. 36: 301-308.
- Marin D.E., Taranu I., Bunaciu P.R., Pascale F., Tudor D.S., Avram N., Sarca M., Cureu I., Criste R.D., Suta V. and Oswald I.P. 2002. Changes in performance, blood parameters, humoral and cellular immune response in weanling piglets exposed to low doses of Aflatoxin. J. Animal Science. 80: 1250-1257