

BIOGRAPHY

25/06/2012



Title and name

Prof. Mikolaj Antoni Gralak, PhD, DrSc

Nationality

Polish

Panel

Additives and products or substances used in animal feed (FEEDAP)

Education

M.Sc. in Animal Breeding – 1983; University of Agriculture in Nitra, Czechoslovakia, Dept of Animal Physiology

B.Sc. in Pedagogics 1985; University of Agriculture in Nitra, Czechoslovakia, Dept of Pedagogics

Ph.D. in Animal Breeding – 1987; University of Agriculture in Nitra, Czechoslovakia, Dept of Animal Nutrition

Dr.Sc. in Veterinary Science - Animal Physiology (habilitation) – 2001; Warsaw Agricultural University, Faculty of Veterinary Medicine, Warszawa, Poland, Dept. of Physiology, Biochemistry, Pharmacology and Toxicology

Abilitation to Professorship in Veterinary Science – 2007

Fellowships:

1989 - 1991 (7 months) Division of Animal Nutrition, Dpt. Animal Production, Faculty of Veterinary Medicine, Universidad Complutense, Madrid, Spain

1992 (1 month) FAO/IAEA Regional Training Course on Isotope Techniques in Animal Nutrition and Reproduction Research, Nicosia, Cyprus

1995 (5 months) Dpt. Animal Science, Univ. of British Columbia, Vancouver B.C., Canada

Scientific and risk assessment experience

Physiology

Animal nutrition and feeding

Animal breeding and technology

Biochemistry

Human nutrition

Risk assessment of drug residues (2004 – 2009 EMA – CVMP- SWP)

Main scientific publications

175 scientific papers, mainly dealing with mineral elements bioavailability and metabolism, biologically active nutrients, physiology of gastrointestinal tract.

1. Gralak M.A.: Molekularne mechanizmy regulacji metabolizmu cynku u ssaków w okresie perinatalnym. (*Molecular mechanisms of zinc metabolism in mammals in perinatal period*). In: Skrzypczak W., Stefaniak T., Zabielski R. (Eds) Fizjologia noworodka z elementami patofizjologii. (*Neonate physiology with elements of patophysiology*) PWRiL, Warszawa, 2011, 300 - 311 (Pol) ISBN 978-83-09-01072-2
2. Dębski B., Gralak M.A., Gronowska-Senger A., Górnicka M.: The influence of α -tocopherol supplementation on plasma concentration of this vitamin and insulin in sedentary or physically trained rats. *Pol. J. Vet. Sci.* 14(4), 2011, 629-634
3. Dębski B., Kuryl T., Gralak M.A., Pierzynowska J., Drywien M.: Effect of inulin and oligofructose enrichment of the diet on rats suffering thiamine deficiency. *J. Anim. Physiol. Anim. Nutr.* 95, 2011, 335-342 (Eng) IF=1.229
4. Piastowska-Ciesielska A.W., Gralak M.A.: Influence of a low dose of dietary soybean on bone properties and mineral status in young rats. *BioFactors* 36(6), 2010, 451-458 (Eng) IF=4.933
5. Lipinski P., Starzynski R.R., Canonne-Hergaux F., Tudek B., Olinski R., Kowalczyk P., Dziaman T., Thibaudeau O., Gralak M.A., Smuda E., Wolinski J., Usinska A., Zabielski R.: Benefits and risks of iron supplementation in anemic neonatal pigs. *Am. J. Pathology* 177, 2010, 1233-1243 (Eng) IF=5.673
6. Dębski B., Gralak M., Gronowska-Senger A., Górnicka M.: The influence of dietary vitamin A supplementation on vitamin A and insulin levels in sedentary or physically trained rats. *Pol. J. Vet. Sci.* 12, 2009, 449-454 (Eng)
7. Gralak M.A., Bertrand J., Klos A., Stryczek A.B., Debski B. (2009) Wpływ treningu i dodatku witaminy C na zawartosc skladnikow mineralnych w watrobie szczurow. (*Influence of training and vitamin C supplementation on liver mineral content in rats*) *Food Science Technology Quality* 4 (65), 352-360
8. Kruszewski M., Iwanenko T., Bartlomiejczyk T., Wolinski J., Starzynski R.R., Gralak M.A., Zabielski R., Lipinski P. (2008) Hepatic iron content corresponds with the susceptibility of lymphocytes to oxidative stress in neonatal pigs. *Mutation Research* 657, 146-149 IF=2,278
9. Godlewski M.M., Slazak P., Zabielski R., Piastowska A., Gralak M.A. (2006) Quantitative study of soybean-induced changes in proliferation and programmed cell death in the intestinal mucosa of young rats. *J. Physiol. Pharmacol.* 57 S7, 125-133 IF=2.267
10. Starzynski R., Lipinski P., Drapier J.-C., Diet A., Smuda E., Bartlomiejczyk T., Gralak M.A., Kruszewski M. (2005) Down-regulation of iron regulatory protein 1 activities and expresion in superoxide dismutase 1 in knock-out mice is not associated with alterations in iron metabolism. *J. Biol. Chem.* 280 (6), 4207-4212 IF=7.258
10. Gralak M.A., Bertrand J., Klos A., Stryczek A., Piastowska A.W., Morka A., Debski B. (2004) Effect of restricted feed intake and addition of the vitamins B2, B6 and folic acid on the liver concentration of zinc and copper in rats. *Biol. Trace Elem. Res.* 98 (1), 85-94 IF=1.923