

# JOURNAL OF ANIMAL AND FEED SCIENCES

## AUTHOR INDEX

### Volume 14

- Abdullah, W., see Kalavathy, R. et al.
- Aguilera, J.F., see Fernández-Fígares, I. et al.
- Andrés, S., Calleja, A., Peláez, R., Mantecón, A.R. and Giráldez, F.J. (León, Spain)  
How can NIRS method be used to predict *in situ* crude protein and neutral detergent fibre  
degradation in herbage? . . . . . 727
- Antunović, Z., see Likier, B. et al.
- Arieli, A., see Serbester, U. et al.
- Bačar-Huskić, L., see Likier, B. et al.
- Baidoo, S.K., see Yang, Q.M. and Baidoo, S.K.
- Bakengesa, S.S., see Rubanza, C.D.K. et al.
- Bartuš, M., see Pisulewski, P.M. et al.
- Beever, D.E., see Kebreab, E. et al.
- Benc, F., see Broucek, J. et al.
- Bernacki, Z., see Mazanowski, A. et al.
- Bogacki, M., Wasielak, M. and Zięcik, A. (Olsztyn, Poland)  
The role of cytokines and adhesion molecules in maternal recognition and establishment  
of pregnancy in pig . . . . . 581
- Boldižárová, K., Grešáková, L., Faix, Š., Mellen, M. and Leng, E. (Nitra, Slovak Republic)  
Antioxidant status of lambs fed on diets supplemented with selenite or Se-yeast . . . . . 245
- Bölkübaşı, Ş.C. and Erhan, M.K. (Erzurum, Turkey)  
Effect of dietary conjugated linoleic acid on the laying hens performance, egg yolk fatty  
acid composition and egg quality during refrigerated storage . . . . . 685
- Botsoglou, N.A., see Giannenas, I.A. et al.
- Broucek, J., Mihina, S., Kisac, P., Hanus, A., Uhrincat, M., Foltys, V., Marencak, S.  
and Benc, F. (Nitra, Slovakia )  
Environmental factors and progeny affecting milk yield and composition during  
the first lactation . . . . . 461
- Brzóska, F. (Balice, Poland)  
Effect of dietary vegetable oils on milk yield, composition and CLA isomer profile  
in milk from dairy cows. . . . . 445
- Buraczewska, L., see Świąch, E. and Buraczewska, L.
- Calleja, A., see Andrés, S. et al.
- Chae, B.J., see Hahn, T.-W. et al.
- Chae, B.J., Lohakare, J.D., Choi, J.Y., Han, K.N., Yong, J.S., Won, H.K. (Chunchon, Korea),  
Park, Y.H. (Seoul, Korea) and Hahn, T.-W. (Chunchon, Korea)  
The efficacy of vitamin E-polyethylene glycol complex on growth performance,  
chicken meat quality and immunity in broilers . . . . . 125

- Chen, X.J., see Liu, D. et al.
- Chłopicki, S., see Pisulewski, P.M. et al.
- Choi, J.Y., see Chae, B.J. et al.
- Chrenková, M., see Čerešňáková, Z. et al.
- Christaki, E., see Giannenas, I.A. et al.
- Chu, X., see Xu, ChL. et al.
- Crompton, L.A., see Kebreab, E. et al.
- Čerešňáková, Z., Chrenková, M., Kopčeková, J., Sommer, A. and Žitňan, R. (Nitra, Slovak Republic)  
Effect of maize grain treatment on ruminal fermentation and the site and extent of starch digestion in cows . . . . . 79
- Dänicke, S., see Seeling, K. and Dänicke, S.
- Diez-Gonzalez, F., see Jacobs, J.L. et al.
- Domaćinović, M., see Mijić, P. et al.
- Dorynek, Z., see Komisarek, J. et al.
- Engberg, R.M., see Józefiak, D. et al.
- Erhan, M.K., see Bölükbaşı, Ş.C. and Erhan, M.K.
- Faix, Š., see Boldižárová, K. et al.
- Fandrejewski, H., see Raj, S. et al.
- Fandrejewski, H., see Skiba, G. et al.
- Fernández-Figares, I., Nieto, R., Prieto, C. and Aguilera, J.F. (Granada, Spain)  
Plasma free amino acid profiles in growing chickens fed soyabean meal supplemented with DL-methionine . . . . . 283
- Florou-Paneri, P., see Giannenas, I.A. et al.
- Foltys, V., see Broucek, J. et al.
- France, J., see Kebreab, E. et al.
- France, J., see Val-Arreola, D. et al.
- Fujihara, T., see Rubanza, C.D.K. et al.
- Giannenas, I.A., Florou-Paneri, P., Botsoglou, N.A., Christaki, E. and Spais, A.B. (Thessaloniki, Grece)  
Effect of supplementing feed with oregano and/or  $\alpha$ -tocopheryl acetate on growth of broiler chickens and oxidative stability of meat . . . . . 521
- Girard, C.L., see Lapierre, H. et al.
- Giráldez, F.J., see Andrés, S. et al.
- Gogol, D. (Kraków, Poland), Koreleski, J. (Balice, Poland) and Żyła, K. (Kraków, Poland)  
Effects of an *Aspergillus niger* mycelium, antibiotic and probiotic on growth performance, P and Ca retention and *Clostridium perfringens* ileal counts in broiler chickens . . . . . 151
- Görgülü, M., see Serbest, U. et al.
- Grbeša, D., see Liker, B. et al.
- Grešáková, L., see Boldižárová, K. et al.
- Halekoh, U., see Yong, C. et al.
- Hahn, T.-W., see Chae, B.J. et al.
- Hahn, T.-W., Lohakare, J.D., Shim, Y.H., Han, K.N., Won, H.K. (Chunchon, Korea), Park, Y.H. (Seoul, Korea) and Chae, B.J. (Chunchon, Korea)  
The effects of vitamin C-polyethylene glycol complex on growth performance and immunity in broiler chickens . . . . . 139

- Han, K.N., see Chae, B.J. et al.
- Han, K.N., see Hahn, T.-W. et al.
- Hanus, A., see Broucek, J. et al.
- Hao, K., see Xu, ChL. et al.
- Herich, R., Lauková, A., Stropfová, V., Revajová, V., Levkut, M. and Pisl, J. (Košice, Slovak Republic)  
 Polymerase chain reaction detection of caecal bacteria in case of preventive application of *Enterococcus faecium* EK13 against *Salmonella enterica* subsp. *Enteritidis* in chickens . . . . . 161
- Ho, Y.W., see Kalavathy, R. et al.
- Hu, W.-L., see Lv, J.-M. et al.
- Ichinohe, T., see Rubanza, C.D.K. et al.
- Ivanković, A., see Mijić, P. et al.
- Ivkić, Z., see Mijić, P. et al.
- Jacobs, J.L., Diez-Gonzalez, F., Stern, M.D. and Phillips, R.L. (St. Paul, USA)  
 Detection of transgenic maize Cry1Ab protein subjected to ruminal digestion . . . . . 655
- Jagusiak, W. (Kraków, Poland)  
 Fertility measures in Polish Black-and-White cattle. 1. Genetic parameters of heifer fertility traits . . . . . 423
- Jagusiak, W. (Kraków, Poland)  
 Fertility measures in Polish Black-and-White cattle. 2. Genetic parameters of interval measures . . . . . 435
- Jalaludin, S., see Kalavathy, R. et al.
- Jansman, A.J.M., see Mieczkowska, A. et al.
- Jaszczak, K. (Jastrzębiec, Poland), Książkiewicz, J. (Dworzyska, Poland), Parada, R. and Sacharczuk, M. (Jastrzębiec, Poland)  
 Cytogenetic study of embryos from ducks maintained in conservative flocks . . . . . 571
- Jaszczak, K., see Wardecka, B. et al.
- Jensen, B.B., see Józefiak, D. et al.
- Jin, Z., see Xu, ChL. et al.
- Józefiak, A., see Józefiak, D. et al.
- Józefiak, D., Kaczmarek, S., Rutkowski, A., Józefiak, A. (Poznań, Poland), Jensen, B.B. and Engberg, R.M. (Foulum, Denmark)  
 Fermentation in broiler chicken gastrointestinal tract as affected by high dietary inclusion of barley and  $\beta$ -glucanase supplementation . . . . . 695
- Józefiak, D., Krejpcio, Z., Trojanowska, K., Wojciak, R., Tubacka, M., Śmigiel-Papińska, D. and Rutkowski, A. (Poznań, Poland)  
 Effect dietary inulin on microbial ecosystem and concentrations of volatile fatty acids in rat's caecum . . . . . 171
- Jørgensen, H., see Yong, C. et al.
- Kaczmarek, S., see Józefiak, D. et al.
- Kalavathy R., Abdullah, W., Jalaludin, S. (Selangor, Malaysia), Wong, C.M.V.L. (Sabah, Malaysia) and Ho, Y.W. (Selangor, Malaysia)  
 Effects of *Lactobacillus* cultures on performance and egg quality during the early laying period of hens . . . . . 537
- Karasiewicz, J., see Mohammed, A.A. et al.
- Kato, S., see Matyjek, R. et al.

- Kebreab, E., France, J. (Guelph, Canada), Sutton, J.D., Crompton, L.A. and Beever, D.E. (Reading, United Kingdom)  
Effect of energy and protein supplementation on phosphorus utilization in lactating dairy cows . . . . . 63
- Kebreab, E., see Val-Arreola, D. et al.
- Kisac, P., see Broucek, J. et al.
- Kisiel, T., see Mazanowski, A. et al.
- Knežević, I., see Mijić, P. et al.
- Knežević, M., see Liker, B. et al.
- Komisarek, J. (Poznań, Poland), Szyda, J. (Wrocław, Poland), Michalak, A. and Dorynek, Z. (Poznań, Poland)  
Impact of leptin gene polymorphisms on breeding value for milk production traits in cattle . . . . . 491
- Kopčėková, J., see Čerešňáková, Z. et al.
- Korczak, M., see Wardęcka, B. et al.
- Koreleski, J., see Gogol, D. et al.
- Koreleski, J. and Świątkiewicz, S. (Balice, Poland)  
Efficacy of different levels of a cholecalciferol 25-OH-derivative in diets with two limestone forms in laying hen nutrition. . . . . 305
- Koreleski, J. and Świątkiewicz, S. (Balice, Poland)  
Efficacy of different limestone particle size and 25-hydroxycholecalciferol in broiler diets. . . . . 705
- Kostanjevec, B., see Salobir, J. et al.
- Kostogryś, R.B., see Pisulewski, P.M. et al.
- Kováč, G., see Link, R. et al.
- Kowalski, Z.M., see Serbester, U. et al.
- Kozubska-Sobocińska, A., see Rejduch, B. et al.
- Krejpcio, Z., see Józefiak, D. et al.
- Krnić, Ž., see Liker, B. et al.
- Książkiewicz J., see Jaszczak, K. et al.
- Kulig, H. (Szczecin, Poland)  
Associations between leptin gene polymorphism and some milk performance traits of cattle . . . . . 235
- Kutlu, H.R., see Serbester, U. et al.
- Kwakkel, R.P., see Mieczkowska, A. et al.
- Lapierre, H., Girard, C.L., Matte, J.J. (Lennoxville, Canada) and Lobley, G.E. (Aberdeen, United Kingdom)  
Effects of stage of lactation on protein metabolism in dairy cows . . . . . 53
- Laubitz, D., see Matyjek, R. et al.
- Lauková, A., see Herich, R. et al.
- Lauridsen, C., see Yong, C. et al.
- Leng, L., see Boldižárová, K. et al.
- Leto, J., see Liker, B. et al.
- Levkut, M., see Herich, R. et al.
- Liker, B., Bačar-Huskić, L., Knežević, M., Rupić, V., Vranešić, N., Romić, Ž., Grbeša, D., Mačėšić, D., Leto, J. (Zagreb, Croatia), Antunović, Z. (Osijek, Croatia) and Krnić, Ž. (Zagreb, Croatia)  
Blood metabolites and haematological indices of pregnant beef cows fed rumen-protected methionine . . . . . 625

- Link, R., Kováč, G. and Pistl, J. (Košice, Slovakia)  
 A note on probiotics as an alternative for antibiotics in pigs. . . . . 513
- Liu, D., Liu, J.X., Zhu, S.L., Chen, X.J. and Wu, Y.M. (Hangzhou, China)  
 Histological investigation of tissues and cell wall of rice straw influenced by  
 pretreatment with different chemicals and rumen degradation . . . . . 373
- Liu, J.X., see Liu, D. et al.
- Liu, J.-X., see Lv, J.-M. et al.
- Lobley, G.E., see Lapierre, H. et al.
- Lohakare, J.D., see Chae, B.J. et al.
- Lohakare, J.D., see Hahn, T.-W. et al.
- Lorkowska, B., see Pisulewski, P.M. et al.
- Lv, J.-M., Hu, W.-L. and Liu, J.-X. (Hangzhou, China)  
 Addition of cell wall degrading enzyme and wheat bran on fermentation characteristics  
 and *in vitro* gas production of ensiled rice straw. . . . . 365
- Mačešić, D., see Liker, B. et al.
- Mantecón, A.R., see Andrés, S. et al.
- Marencak, S., see Broucek, J. et al.
- Marounek, M., see Volek, Z. et al.
- Matte, J.J., see Lapierre, H. et al.
- Matyjek, R., Woliński, J., Laubitz, D. (Jabłonna, Poland), Kato, S. (Hokkaido, Japan) and  
 Zabielski, R. (Jabłonna, Warsaw, Poland)  
 The effect of exogenous leptin on pancreatic enzyme secretion in anaesthetized rats . . . . 353
- Mazanowski, A., Bernacki, Z. (Bydgoszcz, Poland) and Kisiel, T. (Dworzyska, Poland)  
 Characteristics of reproductive traits and egg traits of crossbred geese with Graylag  
 ancestry . . . . . 549
- Mellen, M., see Boldžárová, K. et al.
- Michalak, A., see Komisarek, J. et al.
- Mieczkowska, A. (Jabłonna, Poland), Jansman, A.J.M., Kwakkel, R.P. (Wageningen,  
 The Netherlands) and Smulikowska, S. (Jabłonna, Poland)  
 Effect of dehulling and  $\alpha$ -galactosidase supplement on the ileal digestibility of yellow  
 lupin based diets in broiler chickens and adult roosters . . . . . 297
- Mieczkowska, A. and Smulikowska, S. (Jabłonna, Poland)  
 The influence of white lupin seeds in diets supplemented with fats of animal or plant  
 origin on the fatty acid composition of broiler tissues . . . . . 93
- Mihina, S., see Broucek, J. et al.
- Mijić, P., Knežević, I., Domaćinović, M. (Osijek, Croatia), Ivanković, A. (Zagreb, Croatia)  
 and Ivkić, Z. (Zagreb, Croatia)  
 Relationship between various phases of milk flow at mechanical milking system  
 and the somatic cell count in cow's milk. . . . . 483
- Mills, J.A.N., see Val-Arreola, D. et al.
- Misztal, T., see Romanowicz, K. and Misztal, T.
- Modliński, J.A., see Mohammed, A.A. et al.
- Mohammed, A.A., Karasiewicz, J., Papis, K. and Modliński, J.A. (Jastrzębiec, Poland)  
 Oocyte maturation in the presence of randomly pooled follicular fluid increases bovine  
 blastocyst yield *in vitro* . . . . . 501
- Nieto, R., see Fernández-Figares, I. et al.
- Otsyina, R., see Rubanza, C.D.K. et al.
- Papis, K., see Mohammed, A.A. et al.

- Parada, R., see Jaszczak, K. et al.
- Parada, R., see Wardęcka, B. et al.
- Park, Y.H., see Chae, B.J. et al.
- Park, Y.H., see Hahn, T.-W. et al.
- Peláez, R., see Andrés, S. et al.
- Pen, Ch., see Xu, ChL. et al.
- Phillips, R.L., see Jacobs, J.L. et al.
- Pistl, J., see Herich, R. et al.
- Pistl, J., see Link, R. et al.
- Pisulewski, P.M., Kostogryś, R.B., Lorkowska, B., Bartuś, M. and Chłopicki, S. (Kraków, Poland)  
 Critical evaluation of normotensive rats as models for hypercholesterolaemia-induced atherosclerosis . . . . . 339
- Pisulewski, P.M., see Szymczyk, B. and Pisulewski, P.M.
- Prieto, C., see Fernández-Figares, I. et al.
- Raj, S., Skiba, G., Weremko, D. and Fandrejewski, H. (Jabłonna, Poland)  
 Growth of the gastrointestinal tract of pigs during realimentation following a high-fibre diet . . . . 675
- Raj, S., see Skiba, G. et al.
- Rejduch, B., Różycki, M. and Kozubska-Sobocińska, A. (Balice, Poland)  
 Characteristic of selected genes controlling meat quality in pigs. A review . . . . . 41
- Revajová, V., see Herich, R. et al.
- Romanowicz, K. and Misztal, T. (Jabłonna, Poland)  
 Effect of intracerebroventricular infusion of genistein on prolactin and LH secretion in ovariectomized ewes during short days . . . . . 255
- Romić, Ž., see Liker, B. et al.
- Różycki, M., see Rejduch, B. et al.
- Rubanza, C.D.K. (Tottori, Japan), Shem, M.N. (Morogoro, Tanzania), Otsyina, R., Bakengesa, S.S (Shinyanga, Tanzania), Ichinohe, T. and Fujihara, T. (Shimane, Japan)  
 Content of phenolic, extractable and bound condensed tannins and their effect on *in vitro* gas production from browse leaves. . . . . 193
- Rupić, V., see Liker, B. et al.
- Rutkowski, A., see Józefiak, D. et al.
- Sacharczuk, M., see Jaszczak, K. et al.
- Salobir, J., Kostanjevec, B., Štruklec, M. and Salobir, K. (Domzale, Slovenia)  
 Tannins reduce protein but not phosphorus utilization of diet with added phytase in pigs . . . . . 277
- Salobir, K., see Salobir, J. et al.
- Samiec, M. (Balice, Poland)  
 The role of mitochondrial genome (mtDNA) in somatic and embryo cloning of mammals. A review. . . . . 213
- Samiec, M. (Balice, Poland)  
 The effect of mitochondrial genome on architectural remodeling and epigenetic reprogramming of donor cell nuclei in mammalian nuclear transfer-derived embryos . . . . . 393
- Seeling, K. and Dänicke, S. (Braunschweig, Germany)  
 Relevance of the *Fusarium* toxins deoxynivalenol and zearalenone in ruminant nutrition: A review . . . . . 3

- Serbester, U., Görgülü, M., Kutlu, H.R., Yurtseven, S. (Adana, Turkey), Arieli, A. (Rehovot, Israel) and Kowalski, Z.M. (Kraków, Poland)  
The effects of sprinkler+fan, fish meal or dietary fat on milk yield and milk composition of dairy cows in mid lactation during summer . . . . . 639
- Sezer, M. and Tarhan, S. (Tokat, Turkey)  
Comparison of three nonlinear models for describing Japanese quail growth curve). . . . . 317
- Shem, M.N., see Rubanza, C.D.K. et al.
- Shim, Y.H., see Hahn, T.-W. et al.
- Skiba, G., Raj, S., Weremko, D. and Fandrejewski, H. (Jabłonna, Poland)  
Growth of the gastrointestinal tract in weaning pigs as affected by crude fibre content in the diet . . . . . 665
- Skiba, G., see Raj, S. et al.
- Skřivanová, V., see Volek, Z. et al.
- Smulikowska, S., see Mieczkowska, A. et al.
- Smulikowska, S., see Mieczkowska, A. and Smulikowska, S.
- Sommer, A., see Čerešňáková, Z. et al.
- Spais, A.B., see Giannenas, I.A. et al.
- Stern, M.D., see Jacobs, J.L. et al.
- Strompfová, V., see Herich, R. et al.
- Štruklec, M., see Salobir, J. et al.
- Sutton, J.D., see Kebreab, E. et al.
- Szyda, J., see Komisarek, J. et al.
- Szwaczkowski, T., see Torzyński, G. et al.
- Szymczyk, B. (Balice, Poland) and Pisulewski, P.M. (Kraków, Poland)  
Effects of dietary conjugated linoleic acid isomers and vitamin E on fatty acid composition and cholesterol content of hen egg yolks . . . . . 109
- Śmigiela-Papińska, D., see Józefiak, D. et al.
- Świątkiewicz, S., see Koreleski, J. and Świątkiewicz, S.
- Świąch, E. and Buraczewska, L. (Jabłonna, Poland)  
True ileal digestibility of amino acids of pea seeds and soyabean products estimated in pigs, rats and *in vitro* . . . . . 179
- Tarhan, S., see Sezer, M. and Tarhan, S.
- Torzyński, G., Wolc, A. and Szwaczkowski, T. (Poznań, Poland)  
Maternal effects on the conformation traits in half-bred horses . . . . . 595
- Trojanowska, K., see Józefiak, D. et al.
- Tubacka, M., see Józefiak, D. et al.
- Uhrincat, M., see Broucek, J. et al.
- Val-Arreola, D. (Reading, United Kingdom), Kebreab, E. (Guelph, Canada), Mills, J.A.N. (Reading, United Kingdom) and France, J. (Guelph, Canada)  
Analysis of feeding strategies for small-scale dairy systems in central Mexico using linear programming . . . . . 607
- Volek, Z., Marounek, M. and Skřivanová, V. (Prague, Czech Republic)  
Replacing starch by pectin and inulin in diet of early-weaned rabbits: effect on performance, health and nutrient digestibility . . . . . 327
- Vranešić, N., see Liker, B. et al.
- Wang, L., see Xu, ChL. et al.

- Wardęcka, B., Jaszczak, K., Parada, R., Korczak, M. and Zięba, G. (Jastrzębiec, Poland)  
 Growth hormone gene polymorphism in chicken divergently selected for axial  
 skeleton malformation. . . . . 561
- Wasielak, M., see Bogacki, M. et al.
- Weremko, D., see Raj, S. et al.
- Weremko, D., see Skiba, G. et al.
- Wojciak, R., see Józefiak, D. et al.
- Wolc, A., see Torzyński, G. et al.
- Woliński, J., see Matyjek, R. et al.
- Won, H.K., see Chae, B.J. et al.
- Won, H.K., see Hahn, T.-W. et al.
- Wong, C.M.V.L., see Kalavathy, R. et al.
- Wu, Y.M., see Liu, D. et al.
- Xu ChL., Pen, Ch., Hao, K., Jin, Z., Chu, X. and Wang, L. (Yangtze, China)  
 Detection of medroxyprogesterone acetate residues in animal muscle tissues by using  
 enzyme-linked immunosorbent assay and liquid chromatography tandem mass  
 spectrometry. . . . . 737
- Yang, Q.M. and Baidoo, S.K. (Waseca, USA)  
 Effects of phytase on growth performance and digestibility of phosphorus in maize-  
 soyabean meal based diets for young pigs. . . . . 267
- Yong, C., Halekoh, U., Jørgensen, H. and Lauridsen, C. (Foulum, Denmark)  
 Dependent on dietary treatments of mothers, rats showed individual preference of diets  
 containing ingredients produced with different cultivation strategies . . . . . 715
- Yong, J.S., see Chae, B.J. et al.
- Yurtseven, S., see Serbester, U., et al.
- Zabielski, R., see Matyjek, R. et al.
- Zhu, S.L., see Liu, D. et al.
- Zięba, G., see Wardęcka, B. et al.
- Zięcik, A., see Bogacki, M. et al.
- Žitňan, R., see Čerešňáková, Z. et al.
- Żyła, K., see Gogol, D. et al.