

CONTENTS

Breeding and genetics

- Haberland, A. M., König von Borstel, U., Simianer, H. and König, S.*
Integration of genomic information into sport horse breeding programs for optimization of accuracy of selection 1369
- Stewart, I. D., White, I. M. S., Gilmour, A. R., Thompson, R., Woolliams, J. A. and Brotherstone, S.*
Estimating variance components and predicting breeding values for eventing disciplines and grades in sport horses 1377
- Pabiou, T., Fikse, W. F., Amer, P. R., Cromie, A. R., Näsholm, A. and Berry, D. P.*
Genetic relationships between carcass cut weights predicted from video image analysis and other performance traits in cattle 1389
- Khalajzadeh, S., Nejati-Javaremi, A. and Mehrbani Yeganeh, H.*
Effect of widespread and limited use of sexed semen on genetic progress and reproductive performance of dairy cows 1398

Nutrition

- Gidenne, T., Combes, S. and Fortun-Lamothe, L.*
Feed intake limitation strategies for the growing rabbit: effect on feeding behaviour, welfare, performance, digestive physiology and health: a review 1407
- Quiniou, N., Monziols, M., Colin, F., Goues, T. and Courboulay, V.*
Effect of feed restriction on the performance and behaviour of pigs immunologically castrated with Improvac® 1420
- Politis, I.*
Reevaluation of vitamin E supplementation of dairy cows: bioavailability, animal health and milk quality (review) 1427
- García-Vaquero, M., Benedito, J. L., López-Alonso, M. and Miranda, M.*
Histochemistry evaluation of the oxidative stress and the antioxidant status in Cu-supplemented cattle 1435

Physiology and functional biology of systems

- Ni, Y. D., Wei, X. J., Zhang, C. X., Zhong, Y., Lu, L. Z., Grossmann, R. and Zhao, R. Q.*
The effect of equol injection *in ovo* on lipid metabolism and hepatic lipogenic gene expression in broilers 1444
- Silanikove, N., Rauch-Cohen, A., Shapiro, F., Arieli, A., Merin, U. and Leitner, G.*
Lipopolysaccharide challenge of the mammary gland in cows induces nitrosative stress that impairs milk oxidative stability 1451

Behaviour, welfare and health

- Nielsen, B. L.*
Effects of ambient temperature and early open-field response on the behaviour, feed intake and growth of fast- and slow-growing broiler strains 1460
- Kluyvers-Poodt, M., Houx, B. B., Robben, S. R. M., Koop, G., Lambooi, E. and Hellebrekers, L. J.*
Effects of a local anaesthetic and NSAID in castration of piglets, on the acute pain responses, growth and mortality 1469
- Andretta, I., Kipper, M., Lehnen, C. R., Hauschild, L., Vale, M. M. and Lovatto, P. A.*
Meta-analytical study of productive and nutritional interactions of mycotoxins in growing pigs 1476
- Iraira, S. P., Ruiz de la Torre, J. L., Rodríguez-Prado, M., Manteca, X., Calsamiglia, S. and Ferret, A.*
Effect of feeding method on intake and behaviour of individually reared beef heifers fed a concentrate diet from 115 to 185 kg of body weight 1483
- Cockram, M. S., Murphy, E., Ringrose, S., Wemelsfelder, F., Miedema, H. M. and Sandercock, D. A.*
Behavioural and physiological measures following treadmill exercise as potential indicators to evaluate fatigue in sheep 1491

Farming systems and environment

- Blanco-Penedo, I., López-Alonso, M., Shore, R. F., Miranda, M., Castillo, C., Hernández, J. and Benedito, J. L.*
Evaluation of organic, conventional and intensive beef farm systems: health, management and animal production 1503
- O'Brien, D., Shalloo, L., Patton, J., Buckley, F., Grainger, C. and Wallace, M.*
Evaluation of the effect of accounting method, IPCC v. LCA, on grass-based and confinement dairy systems' greenhouse gas emissions 1512
- Le Cotty, T. and Dorin, B.*
A global foresight on food crop needs for livestock 1528
- Product quality, human health and well-being
- Bates, R. O., Doumit, M. E., Raney, N. E., Helman, E. E. and Ernst, C. W.*
Association of halothane sensitivity with growth and meat quality in pigs 1537
- Daza, A., Latorre, M. A. and López-Bote, C. J.*
The effect of granulated barley as single major ingredient in the growing or finishing diet on productive performance, carcass, meat and fat quality of heavy pigs 1543
- Lundesjö Ahnström, M., Hessle, A., Johansson, L., Hunt, M. C. and Lundström, K.*
Influence of slaughter age and carcass suspension on meat quality in Angus heifers 1554

Corrigendum

- Politis, I.*
Reevaluation of vitamin E supplementation of dairy cows: bioavailability, animal health and milk quality – CORRIGENDUM 1563