

CAMBRIDGE

JOURNALS

# Cambridge Journals Digital Archive

- ▶ 1770 – 2011
- ▶ Over 220 titles
- ▶ From Volume 1



[journals.cambridge.org/archives](https://journals.cambridge.org/archives)



CAMBRIDGE  
UNIVERSITY PRESS

## CONTENTS

### Breeding and genetics

- Egger-Danner, C., Cole, J. B., Pryce, J. E., Gengler, N., Heringstad, B., Bradley, A. and Stock, K. F.*  
Invited review: overview of new traits and phenotyping strategies in dairy cattle with a focus on functional traits (review) 191
- Ragkos, A. and Abas, Z.*  
Using the choice experiment method in the design of breeding goals in dairy sheep 208
- Edea, Z., Bhuiyan, M. S. A., Dessie, T., Rothschild, M. F., Dadi, H. and Kim, K. S.*  
Genome-wide genetic diversity, population structure and admixture analysis in African and Asian cattle breeds 218

### Nutrition

- Gidenne, T.*  
Dietary fibres in the nutrition of the growing rabbit and recommendations to preserve digestive health: a review (review) 227
- Blaabjerg, K., Thomassen, A.-M. and Poulsen, H. D.*  
Microbial phytase addition resulted in a greater increase in phosphorus digestibility in dry-fed compared with liquid-fed non-heat-treated wheat-barley-maize diets for pigs 243
- Gilbert, M. S., van den Borne, J. J. G. C., Berends, H., Pantophlet, A. J., Schols, H. A. and Gerrits, W. J. J.*  
A titration approach to identify the capacity for starch digestion in milk-fed calves 249
- Blanco, C., Giráldez, F. J., Prieto, N., Benavides, J., Wattegedera, S., Morán, L., Andrés, S. and Bodas, R.*  
Total mixed ration pellets for light fattening lambs: effects on animal health 258
- Li, S. S., Shen, J. S., Ren, D. X. and Liu J. X.*  
Effects of the processing methods of corn grain and soybean meal on milk protein expression profiles in dairy cows 267
- Schulze, A. K. S., Nørgaard, P., Byskov, M. V. and Weisbjerg, M. R.*  
Evaluation of physical structure value in spring-harvested grass/clover silage and hay fed to heifers 275

### Physiology and functional biology of systems

- Hemmings, K. M., Daniel, Z. C. T. R., Buttery, P. J., Parr, T. and Brameld, J. M.*  
Differential effects of short-term  $\beta$  agonist and growth hormone treatments on expression of myosin heavy chain IIB and associated metabolic genes in sheep muscle 285
- Hassanpour, H., Mirshokraei, P., Khalili Sadrabad, E., Esmailian Dehkordi, A., Layeghi, S., Afzali, A. and Mohebbi, A.*  
 *In vitro* effect of nanosilver on gene expression of superoxide dismutases and nitric oxide synthases in chicken sertoli cells 295
- Guzmán, A., Macías-Valencia, R., Fierro-Fierro, F., Gutiérrez, C. G. and Rosales-Torres, A. M.*  
The corpora lutea proangiogenic state of VEGF system components is turned to antiangiogenic at the later phase of the oestrous cycle in cows 301
- Hernández-Coronado, C. G., Guzmán, A., Espinosa-Cervantes, R., Romano, M. C., Verde-Calvo, J. R. and Rosales-Torres, A. M.*  
Sphingosine-1-phosphate and ceramide are associated with health and atresia of bovine ovarian antral follicles 308
- Fernández Abella, D., Da Costa, M., Guérin, Y. and Dacheux, J. L.*  
Fertility of undiluted ram epididymal spermatozoa stored for several days at 4°C 313

### Behaviour, welfare and health

- Verhoeven, M. T. W., Gerritzen, M. A., Hellebrekers, L. J. and Kemp, B.*  
Indicators used in livestock to assess unconsciousness after stunning: a review (review) 320
- Laurence, A., Houdelier, C., Calandreau, L., Arnould, C., Favreau-Peigné, A., Leterrier, C., Boissy, A. and Lumineau, S.*  
Environmental enrichment reduces behavioural alterations induced by chronic stress in Japanese quail 331
- Cook, N. J., Chabot, B., Lui, T., Bench, C. J. and Schaefer, A. L.*  
Infrared thermography detects febrile and behavioural responses to vaccination of weaned piglets 339

### Product quality, human health and well-being

- Loetscher, Y., Albiker, D., Stephan, R., Kreuzer, M. and Messikommer, R. E.*  
Differences between spent hens of different genotype in performance, meat yield and suitability of the meat for sausage production 347
- Popp, J., Wicke, M., Klein, G. and Krischek, C.*  
The relationship of pork longissimus muscle pH to mitochondrial respiratory activities, meat quality and muscle structure 356
- Machado Neto, O. R., Chizzotti, M. L., Ramos, E. M., Oliveira, D. M., Lanna, D. P. D., Ribeiro, J. S., Lopes, L. S., Descalzo, A. M., Amorim, T. R. and Ladeira, M. M.*  
Fatty acid profile and meat quality of young bulls fed ground soybean or ground cottonseed and vitamin E 362

