

# Cambridge Journals Digital Archive

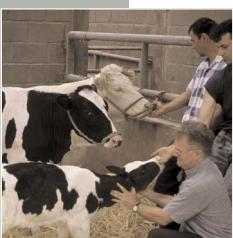
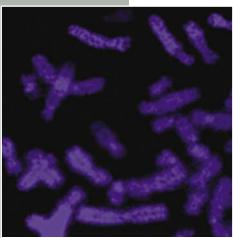
- ▶ 1770 – 2011
- ▶ Over 220 titles
- ▶ From Volume 1



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



CAMBRIDGE  
UNIVERSITY PRESS



## CONTENTS

## Breeding and genetics

- Pryce, J. E., Wales, W. J., de Haas, Y., Veerkamp, R. F. and Hayes, B. J. Genomic selection for feed efficiency in dairy cattle (review) 1  
 Haberland, A. M., Luther, H., Hofer, A., Tholen, E., Simianer, H., Lind, B. and Baes, C. Efficiency of different selection strategies against boar taint in pigs 11  
 Kougioumtzis, A., Valergakis, G. E., Oikonomou, G., Arsenos, G. and Banos, G. Profile and genetic parameters of dairy cattle locomotion score and lameness across lactation 20  
 Wang, H. B., Zan, L. S. and Zhang, Y. Y. Profiling of the yak skeletal muscle tissue gene expression and comparison with the domestic cattle by genome array 28

## Nutrition

- Ozdogan, M., Topal, E., Pinar Paksuz, E. and Kirkan, S. Effect of different levels of crude glycerol on the morphology and some pathogenic bacteria of the small intestine in male broilers 36  
 Sanz Fernandez, M. V., Pearce, S. C., Gabler, N. K., Patience, J. F., Wilson, M. E., Socha, M. T., Torrison, J. L., Rhoads, R. P. and Baumgard, L. H. Effects of supplemental zinc amino acid complex on gut integrity in heat-stressed growing pigs 43  
 López-Andrés, P., Luciano, G., Vasta, V., Gibson, T. M., Scerra, M., Biondi, L., Priolo, A., Mueller-Harvey, I. Antioxidant effects of ryegrass phenolics in lamb liver and plasma 51  
 Gruber, L., Urdl, M., Obritzhauser, W., Schauer, A., Häusler, J. and Steiner, B. Influence of energy and nutrient supply pre and post partum on performance of multiparous Simmental, Brown Swiss and Holstein cows in early lactation 58

## Physiology and functional biology of systems

- Yart, L., Lollivier, V., Marnet, P. G. and Dessauge, F. Role of ovarian secretions in mammary gland development and function in ruminants (review) 72  
 Zhang, L., Zhang, H. J., Wang, J., Wu, S. G., Qiao, X., Yue, H. Y., Yao, J. H. and Qi, G. H. Stimulation with monochromatic green light during incubation alters satellite cell mitotic activity and gene expression in relation to embryonic and posthatch muscle growth of broiler chickens 86  
 Hammami, S., Izquierdo, D., Catalá, M. G., Paramio, M. T. and Morató, R. In vitro developmental competence of prepubertal goat oocytes cultured with recombinant activin-A 94

## Behaviour, welfare and health

- Dwyer, C. M. Maternal behaviour and lamb survival: from neuroendocrinology to practical application (review) 102  
 Hales, J., Moustsen, V. A., Nielsen, M. B. F. and Hansen, C. F. Higher preweaning mortality in free farrowing pens compared with farrowing crates in three commercial pig farms 113  
 Knage-Rasmussen, K. M., Houe, H., Rousing, T. and Sørensen, J. T. Herd- and sow-related risk factors for lameness in organic and conventional sow herds 121  
 Ghassemi Nejad, J., Lohakare, J. D., Son, J. K., Kwon, E. G., West, J. W. and Sung, K. I. Wool cortisol is a better indicator of stress than blood cortisol in ewes exposed to heat stress and water restriction 128

## Farming systems and environment

- Theodoridis, A., Rakos, A., Roustemis, D., Arsenos, G., Abas, Z. and Sinapis, E. Technical indicators of economic performance in dairy sheep farming 133  
 Wims, C. M., Delaby, L., Boland, T. M. and O'Donovan, M. Effect of pre-grazing herbage mass on dairy cow performance, grass dry matter production and output from perennial ryegrass (*Lolium perenne* L.) pastures 141

## Product quality, human health and well-being

- Mele, M., Serra, A., Pauselli, M., Luciano, G., Lanza, M., Pennisi, P., Conte, G., Taticchi, A., Esposto, S. and Morbidini, L. The use of stoned olive cake and rolled linseed in the diet of intensively reared lambs: effect on the intramuscular fatty-acid composition 152  
 Vazirigohar, M., Dehghan-Banadaky, M., Rezayazdi, K., Krizsan, S. J., Nejati-Javaremi, A. and Shingfield, K. J. Fat source and dietary forage-to-concentrate ratio influences milk fatty-acid composition in lactating cows 163

## Cambridge Journals Online

For further information about this journal  
 please go to the journal web site at:  
[journals.cambridge.org/anm](http://journals.cambridge.org/anm)



MIX  
 Paper from  
 responsible sources  
 FSC® C007785

CAMBRIDGE  
 UNIVERSITY PRESS