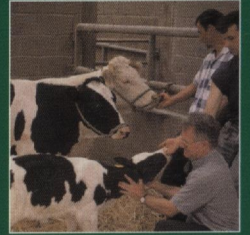
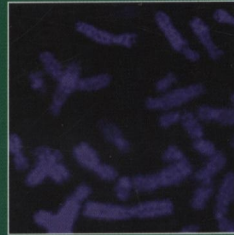
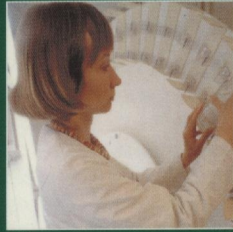


ISSN 1751-7311

VOLUME 3



animal

AN INTERNATIONAL JOURNAL OF ANIMAL BIOSCIENCE



animal

CAMBRIDGE
UNIVERSITY PRESS

CONTENTS

Breeding and genetics

- Salehin, M., Ghosh, A. K., Mallick, P. K. and Bhattacharya, T. K.*
Molecular characterization, polymorphism and association study of lysozyme gene with milk production and somatic cell trait in *Bos indicus* × *Bos taurus* cattle 623

- Liu, L. T., Ren, J., Li, L., Li, W. B., Yang, B., Zhu, W. C., Guo, B. L., Ma, J. W. and Huang, L. S.*
A genome scan for loci affecting adipocyte size and number in abdominal fat in a White Duroc × Erhualian F₂ resource population 632

- Theilgaard, P., Baselga, M., Blas, E., Friggens, N. C., Cervera, C. and Pascual, J. J.*
Differences in productive robustness in rabbits selected for reproductive longevity or litter size 637

- Sørensen, L. P., Madsen, P., Mark, T. and Lund, M. S.*
Genetic parameters for pathogen-specific mastitis resistance in Danish Holstein Cattle 647

Nutrition

- Muñoz, C., Carson, A. F., McCoy, M. A., Dawson, L. E. R., O'Connell, N. E. and Gordon, A. W.*
Effect of plane of nutrition of 1- and 2-year-old ewes in early and mid-pregnancy on ewe reproduction and offspring performance up to weaning 657

- Mizumachi, K., Aoki, R., Ohmori, H., Saeki, M. and Kawashima, T.*
Effect of fermented liquid diet prepared with *Lactobacillus plantarum* LQ80 on the immune response in weaning pigs 670

- Adeola, O.*
Bioavailability of threonine and tryptophan in peanut meal for starter pigs using slope-ratio assay 677

Physiology and functional biology of systems

- Nordquist, L. and Sjöquist, M.*
Improvement of insulin response in the streptozotocin model of insulin-dependent diabetes mellitus. Insulin response with and without a long-acting insulin treatment 685

- Hawken, P. A. R., Esmaili, T., Scanlan, V., Blache, D. and Martin, G. B.*
Can audio-visual or visual stimuli from a prospective mate stimulate a reproductive neuroendocrine response in sheep? 690

- Sørensen, M. T., Poulsen, M. E., Leffers, H., Vajta, G. and Halekoh, U.*
No effect of the plant growth regulator, chlormequat, on boar fertility 697

- Nissen, P. M. and Oksbjerg, N.*
In vitro primary satellite cell growth and differentiation within litters of pigs 703

- Forsbäck, L., Lindmark-Månsson, H., Andrén, A., Åkerstedt, M. and Svennersten-Sjaunja, K.*
Udder quarter milk composition at different levels of somatic cell count in cow composite milk 710

- Waters, S. M., Kenny, D. A., Killeen, A. P., Spellman, S. A., Fitzgerald, A., Hennessy, A. A. and Hynes, A. C.*
Effect of level of eicosapentaenoic acid on the transcriptional regulation of Δ -9 desaturase using a novel *in vitro* bovine intramuscular adipocyte cell culture model 718

Behaviour, welfare and health

- Strappini, A. C., Metz, J. H. M., Gallo, C. B. and Kemp, B.*
Origin and assessment of bruises in beef cattle at slaughter 728

- Hanna, D., Shedd, I. A. and Beattie, V. E.*
The relationship between the stockperson's personality and attitudes and the productivity of dairy cows 737

Farming systems and environment

- Vinten, A. J. A., Potts, J., Avery, L. and Strachan, N. J. C.*
Microbial pollution of water by livestock: approaches to risk assessment and mitigation (review) 744

- Benoit, M., Tournadre, H., Dulphy, J. P., Laignel, G., Prache, S. and Cabaret, J.*
Is intensification of reproduction rhythm sustainable in an organic sheep production system? A 4-year interdisciplinary study 753

Product quality, human health and well-being

- Baéza, E., Chartrin, P., Le Bihan-Duval, E., Lessire, M., Besnard, J. and Berri, C.*
Does the chicken genotype 'Géline de Touraine' have specific carcass and meat characteristics? 764

