animal









CONTENTS

EAAP	Annual	Meeting,	Livestock	Farming	S	ystems

Ingrand, S.

Foreword

Modelling within the livestock farming systems research field: from cows to birds and farmers

Tichit, M., Barbottin, A. and Makowski, D.

A methodological approach to identify cheap and accurate indicators for biodiversity assessment: application to grazing management and two grassland bird species

Gouttenoire, L., Fiorelli, J. L., Trommenschlager, J. M., Coquil, X. and Cournut, S.

Understanding the reproductive performance of a dairy cattle herd by using both analytical and systemic approaches: a case study based on a system experiment

Magne, M. A., Cerf, M. and Ingrand, S.

A conceptual model of farmers' informational activity: a tool for improved support of livestock farming management 842

Breeding and genetics

Terzi, V., Morcia, C., Spini, M., Tudisco, R., Cutrignelli, M. I., Infascelli, F., Stanca, A. M. and Faccioli, P. Identification and validation of reference genes for gene expression studies in water buffalo

Chen, C. Y., Guo, Y. M., Zhang, Z. Y., Ren, J. and Huang, L. S.

A whole genome scan to detect quantitative trait loci for gestation length and sow maternal ability related traits in a White Duroc × Erhualian F₂ resource population 861

Bartolomé, E., Goyache, F., Molina, A., Cervantes, I., Valera, M. and Gutiérrez, J. P.

Pedigree estimation of the (sub) population contribution to the total gene diversity: the horse coat colour case 867

Nutrition

Blaabjerg, K., Jørgensen, H., Tauson, A.-H. and Poulsen, H. D.

Heat-treatment, phytase and fermented liquid feeding affect the presence of inositol phosphates in ileal digesta and phosphorus digestibility in pigs fed a wheat and barley diet

Physiology and functional biology of systems

Prunier, A., Heinonen, M. and Quesnel, H.

High physiological demands in intensively raised pigs: impact on health and welfare (*review*)

Litten-Brown, J. C., Corson, A. M. and Clarke, L.

Porcine models for the metabolic syndrome, digestive and bone disorders: a general overview (*review*)

899

Zhao, X. E. and Zheng, Y. M.

Development of cloned embryos from porcine neural stem cells and amniotic fluid-derived stem cells

Bonneau, N

Accessory sex glands as a tool to measure the efficacy of immunocastration in male pigs

Moretti, D. B., Kindlein, L., Pauletti, P. and Machado-Neto, R.

lgG absorption by Santa Ines lambs fed Holstein bovine colostrum or Santa Ines ovine colostrum

Lazarevic, M., Spring, P., Shabanovic, M., Tokic, V. and Tucker, L. A.

Effect of gut active carbohydrates on plasma IgG concentrations in piglets and calves

Villeneuve, L., Cinq-Mars, D. and Lacasse, P.

Effects of restricted feeding of prepubertal ewe lambs on growth performance and mammary gland development

Behaviour, welfare and health

Ahola, L., Turunen, A., Mononen, J. and Koistinen, T.

Gnawing bones as enrichment for farmed blue foxes (Vulpes lagopus)

López-Campos, Ó., Bodas, R., Prieto, N., Giráldez, F. J., Pérez, V. and Andrés, S.

Naringin dietary supplementation at 0.15% rates does not provide protection against sub-clinical acidosis and does not affect the responses of fattening lambs to road transportation

Rydhmer, L., Lundström, K. and Andersson, K.

Immunocastration reduces aggressive and sexual behaviour in male pigs

Zulkifli, I., Norbaiyah, B., Cheah, Y. W., Soleimani, A. F., Sazili, A. Q., Goh, Y. M. and Rajion, M. A.

A note on heat shock protein 70 expression in goats subjected to road transportation under hot, humid tropical conditions

Cambridge Journals Online

For futher information about this journal please go to the journal web site at: journals.cambridge.org/anm





817

819

827

853

876

886

921

930

933

938

944

951

958

965

973



JOURNALS

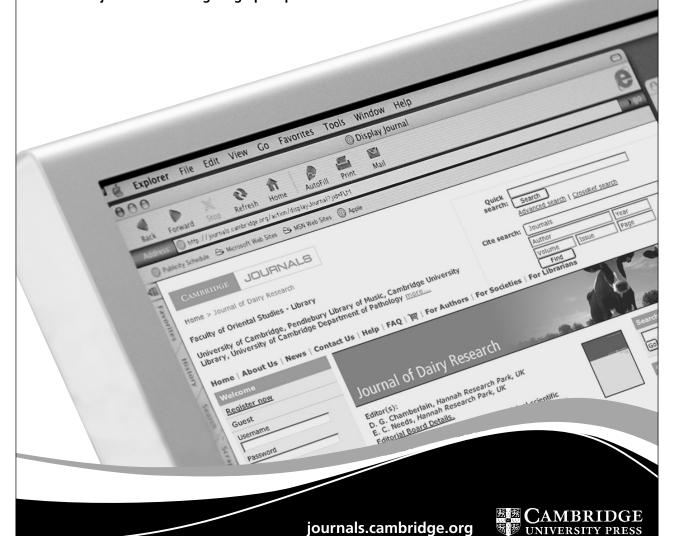
journals.cambridge.org

Advancing research. Increasing access.

Informed by detailed consultation with the library and research communities, we are constantly developing our industry-leading online journals platform.

Some recent advances include:

- **Refreshed site design,** facilitating rapid access to the most relevant content.
- **New advanced search interface** and a more detailed, fielded quick search function.
- Enriched content in the form of multimedia companions and editorial blogs.
- The launch of Cambridge Open Option, our open access initiative. Visit journals.cambridge.org/openoption for more information.



CAMBRIDGE

JOURNALS



British Journal of Nutrition

Published on behalf of The Nutrition Society

British Journal of Nutrition

is available online at: http://journals.cambridge.org/bjn

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500 Fax +1 (845) 353 4141 Email subscriptions_newyork@cambridge.org

Editor-in-chief

P.C. Calder, University of Southampton, UK

British Journal of Nutrition is a leading international peerreviewed journal covering research on human and clinical nutrition, animal nutrition and basic science as applied to nutrition. The journal recognises the multidisciplinary nature of nutritional science and includes material from all of the specialities involved in nutrition research, including molecular and cell biology and the emerging area of nutritional genomics.

Price information is available at: http://journals.cambridge.org/bjn

Free email alerts

Keep up-to-date with new material – sign up at http://journals.cambridge.org/alerts

For free online content visit: http://journals.cambridge.org/bjn



CAMBRIDGE

JOURNALS



Journal of Helminthology

Journal of Helminthology

is available online at http://journals.cambridge.org/jhl

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500
Fax +1 845) 353 4141
Email
subscriptions newvork@cambridge.org

Editor

John Lewis, Royal Holloway, University of London, UK

Journal of Helminthology publishes original papers and review articles on all aspects of pure and applied helminthology, particularly those helminth parasites of environmental health, medical or veterinary importance. Research papers on helminths in wildlife hosts, including plant and insect parasites, are also published along with taxonomic papers contributing to the systematics of a group. The journal will be of interest to academics and researchers involved in the fields of human and veterinary parasitology, public health, microbiology, ecology and biochemistry.

Price information is available at journals.cambridge.org/jhl

Free email alerts

Keep up-to-date with new material – sign up at journals.cambridge.org/alerts

For free online content visit http://journals.cambridge.org/jhl

