

Genetics, Animal Genetic Resources and Breeding

- Estimates of genetic parameters for carcass, growth and reproductive traits in Nellore cattle
S.L. Caetano, R.P. Savegnago, A.A. Boligon, S.B. Ramos, T.C.S. Chud, R.B. Lôbo and D.P. Munari 1
- Determination of economic weights for breeding traits in indigenous Nguni cattle under *in-situ* conservation
O. Tada, V. Muchenje, J. Madzimure and K. Dzama. 8
- Assessment of genetic diversity and population structure of Vietnamese indigenous cattle populations by microsatellites
L.D. Pham, D.N. Do, N.T. Binh, L.Q. Nam, N. Van Ba, T.T.T. Thuy, T.X. Hoan, V.C. Cuong and H.N. Kadarmideen 17

Short Communication

- Two novel intronic polymorphisms of bovine *FGF21* gene are associated with body weight at 18 months in Chinese cattle
X.-M. Sun, M.-X. Li, A.-M. Li, X.-Y. Lan, C.-Z. Lei, W. Ma, L.-S. Hua, J. Wang, S.-R. Hu and H. Chen 23

Ruminant Nutrition

- The effect of dicyandiamide on rumen and blood metabolites, diet digestibility and urinary excretion
P.J. O'Connor, D. Hennessy, M.B. Lynch, H. Slattery and E. Lewis 30
- Polyethylene glycol determined by near-infrared reflectance spectroscopy to estimate faecal output in sheep fed fresh permanent grassland forage
D. Andueza, F. Picard, J. Aufrère, J. Jamot, G. Bechet and R. Baumont 38
- Effect of concentrate level and live yeast (*Saccharomyces cerevisiae*) supplementation on Texel lamb performance and carcass characteristics
J. Issakowicz, M.S. Bueno, A.C.K. Sampaio and K.M.R. Duarte. 44
- Effects of long-term feeding of crude glycerine on performance, carcass traits, meat quality, and blood and rumen metabolites of finishing bulls
L. Bartoň, D. Bureš, P. Homolka, F. Jančík, M. Marounek and D. Řehák 53
- Milk production and composition in Danish Holstein, Danish Red, and Danish Jersey cows supplemented with saturated or unsaturated fat
M.R. Weisbjerg, M.K. Larsen, L. Hymøller, M. Thorhauge, U. Kidmose, J.H. Nielsen and J.B. Andersen 60

Short Communication

- Intake and ruminal digestion determined using omasal and reticular digesta samples in cattle fed diets containing sugar cane *in natura* or ensiled sugar cane compared with maize silage
L.D.S. Mariz, S.C. Valadares Filho, E. Detmann, O.G. Pereira, L.G.R. Pereira, M.I. Marcondes, S.A. Santos, F.A.C. Villadiego, D. Zanetti, L.F. Prados and A.N. Nunes 71

Non-Ruminant Nutrition

- Effect of dietary supplementation with fermented *Ginkgo*-leaves on performance, egg quality, lipid metabolism and egg-yolk fatty acids composition in laying hens
L. Zhao, X. Zhang, F. Cao, D. Sun, T. Wang and G. Wang 77

(Contents continued)

Behaviour, Health and Welfare

Short Communication

Welfare of lactating Holstein cows under outdoor grazing and indoor housing in relation to temperature and humidity in summer in Japan

Y. Higashiyama, M. Higashiyama, K. Ikeda, T. Komatsu and M. Fukasawa 86

Livestock Farming Systems and Management

Dynamic production monitoring in pig herds II. Modeling and monitoring farrowing rate at herd level

C. Bono, C. Cornou, S. Lundbye-Christensen and A. Ringgaard Kristensen 92

Dairy farmers' attitudes and intentions towards improving dairy cow foot health

M. Bruijnis, H. Hogeveen, C. Garforth and E. Stassen 103

Use of ultrasound scanning to estimate teat wall thickness in Murciano-Granadina goats

J.R. Díaz, M. Alejandro, C. Peris and N. Fernández. 114

Growth Physiology

Growth, carcass, fiber type, and meat quality characteristics in Large White pigs with different live weights

Y.M. Choi, K.W. Nam, J.H. Choe, Y.C. Ryu, M.P. Wick, K. Lee and B.C. Kim 123

On the relationships between glucocorticoids and feed efficiency in beef cattle

Y.R. Montanholi, R. Palme, L.S. Haas, K.C. Swanson, G. Vander Voort and S.P. Miller 130

Reproduction Physiology

Predicting fertility from seminal traits: Performance of several parametric and non-parametric procedures

M. Piles, J. Díez, J.J. del Coz, E. Montañés, J.R. Quevedo, J. Ramon, O. Rafel, M. López-Béjar and L. Tusell. 137

Effect of a transitory controlled nursing on days 9–11 or a 24-h fast on the production of free-nursing rabbits

Cs. Eiben, K. Gódor-Surmann and K. Kustos. 148