

ANIMAL PRODUCTION SCIENCE

CONTENTS Volume 61, Issue 13, 2021, 1303–1402

Genetics and Metabolism

Selection for lower residual feed intake in mice is accompanied by increased body fatness and lower activity but not lower metabolic rate

M. L. Hebart, R. M. Herd, V. H. Oddy, F. Geiser and W. S. Pitchford 1303–1314

Physiology, Stress and Reproduction

Oxytocin alters leukogram composition in *Bos indicus* cattle exposed to short-duration transportation

B. K. Wagner, D. G. Martin, D. M. Rudd and A. J. Parker 1315–1320

Effect of capsaicin supplementation on lactational and reproductive performance of Holstein cows during summer

A. Abulaiti, Z. Ahmed, Z. Naseer, H. S. El-Qaliouby, M. F. Iqbal, G. H. Hua and L. G. Yang 1321–1328

Excessive rumen-protected choline in the daily diet compromises sperm quality of male dairy goats as a result of aberrant DNA methylation modification

Hao Wu, Xiaorong Pan, Rong Li, Wangcheng Song and Song Hua 1329–1337

Nutrition and Metabolism

Maintenance energy requirement and efficiency of utilisation of metabolisable energy for milk production of *Bos taurus* × *Bos indicus* crossbred tropical dairy cows: a meta-analysis

L. Kelly, A. Bougouin and E. Kebreab 1338–1347

Replacing maize with low tannin sorghum grains: lamb growth performance, microbial protein synthesis and enteric methane production

Yosra Soltan, Adibe Abdalla Filho, Adibe Abdalla, Bernardo Berencheite, Patricia Schiavinatto and Ciniro Costa 1348–1355

Effect of additive fermented residues from factory on rumen fermentation and microbial population in beef cattle

Tanitpan Pongjongmit and Thitima Norrapoke 1356–1364

Feed, Performance and Product Quality

Effect of dietary inclusion of yellow mealworm (*Tenebrio molitor*) larvae meal on productive performance, egg quality indices and blood parameters of laying hens

Shadi Sedgh-Gooya, Mehran Torki, Maryam Darbemamieh, Hassan Khamisabadi and Alireza Abdolmohamadi 1365–1372

Tannins from *Mimosa tenuiflora* in the diet improves nutrient utilisation, animal performance, carcass traits and commercial cuts of lambs

Ana Carolina Caldas, José Pereira Filho, Daniel Menezes, Iara Cavalcante, Joyce Fernandes, Juliana Oliveira, Ronaldo Oliveira, Jose Fabio Moura and Leilson Bezerra 1373–1384

Water Intake and Wastage

Water intake and wastage during the growing–finishing period of immunocastrated and surgically castrated pigs

Henrique da Costa Mendes Muniz, Daniela Regina Klein, Marrone da Silva dos Santos, Luciane Inês Schneider, Marcos Speroni Ceron, Arlei Rodrigues Bonet de Quadros, Clóvis Eliseu Gewehr and Vladimir de Oliveira 1385–1392

Technology and Management

The application of virtual fencing technology effectively herds cattle and sheep

D. L. M. Campbell, D. Marini, J. M. Lea, H. Keshavarzi, T. R. Dyal and C. Lee 1393–1402