

(Abstracted / indexed in: AGRICOLA, Agris, BIOBASE, BIOSIS, BioBusiness, CAB Abstracts, CSA Database, Current Contents Search, Food Science and Technology Abstracts, Foodline: Food Science and Technology, Global Health, Inside Conferences, SCISEARCH, UnCover). Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®.

Genetics, Animal Genetic Resources and Breeding

Review papers

- Identification of artificial selection signatures in Caracu breed lines selected for milk production and meat production
B.M. Campos, A.S. do Carmo, T.B.R. da Silva, L.L. Verardo, J.J. de Simoni Gouveia, C.H. Mendes Malhado, M.V.G. Barbosa da Silva and P.L. Souza Carneiro. 82

Original research articles

- Genetic basis of Lipomatous Myopathy in Piedmontese beef cattle
S. Peletto, M.G. Strillacci, M.T. Capucchio, E. Biasibetti, P. Modesto, P.L. Acutis and A. Bagnato. 9
- Genetic parameter estimates for temperament, heifer rebreeding, and stayability in Nellore cattle
T.S. Valente, O.D. Albito, A.C. Sant'Anna, R. Carvalheiro, F. Baldi, L.G. Albuquerque and M.J.R. da Costa. 45
- Maternal genetic diversity and phylogeography of native Arabian goats
N.A. Al-Araimi, R.M. Al-Atiyat, O.M. Gaafar, R. Vasconcelos, A. Luzuriaga-Neira, M.O. Eisa, N. Amir, M.H. Benaissa, A.A. Alfari, R.S. Aljumaah, S.M. Elnakhla, M.M.I. Salem, I.A. Ishag, M. El Khasmi and A. Beja-Pereira. 88
- Identification of SNP markers associated with milk and fat yields in multibreed dairy cattle using two genetic group structures
T. Laodim, M.A. Elzo, S. Koonawootrittriron, T. Suwanasopee and D. Jattawa. 95
- Identification of new loci for body weight traits in F2 chicken population using genome-wide association study
H. Emrani, R. Vaez Torshizi, A. Akbar Masoudi and A. Ehsani. 125
- A comparison of the growth performance between cattle reared in conventional systems and in feral conditions
S. Nogales, J. Calderón, T.M. Lupi, M.C. Bressan, J.V. Delgado and M.E. Camacho. 154
- Short communication**
Risk factors and genetic evaluation of stillbirth trait in buffalo
M.M.I. Salem and A.M.S. Amin. 132

Ruminant Nutrition

Original research articles

- Saccharomyces cerevisiae* does not work synergistically with exogenous enzymes to enhance feed utilization, ruminal fermentation and lactational performance of Nubian goats
A.E. Kholif, M.M. Abdo, U.Y. Anele, M.M. El-Sayed and T.A. Morsy. 17
- Effects of feeding sugar beets, ensiled with or without an additive, on the performance of dairy cows
A.L.F. Hellwing, U. Messerschmidt, M. Larsen and M.R. Weisbjerg. 37
- Methane emissions from non-lactating pregnant dairy cows while grazing
C.P. Ferris, H. Jiao, S. Murray, A.W. Gordon and A.F. Carson. 121
- Short communication**
The use of near infrared spectroscopy to predict faecal indigestible and digestible fibre fractions in lactating dairy cattle
F. Righi, M. Simoni, G. Visentin, C.L. Manuelian, S. Currò, A. Quarantelli and M. De Marchi. 105
- Milk fat response to calcium salts of palm or soybean in a normal or milk fat depression scenario in dairy ewes
M. Baldin, J. De Souza, E. Ticiani, E.C. Sandri, R. Dresch, F. Batistel and D.E. Oliveira. 109

Non-Ruminant Nutrition

Original research articles

- Dietary supplementation with *Lonicera macranthoides* leaf powder enhances growth performance and muscle growth of Chinese Tibetan pigs
Z.Y. Wang, Y.H. Duan, F.N. Li, B.C. Yang, J.X. Zhang and S.Z. Hou. 1

(Contents continued on penultimate page of this issue)

(Contents continued)

In ovo feeding of creatine pyruvate increases hatching weight, growth performance, and muscle growth but has no effect on meat quality in broiler chickens M.M. Zhao, D.Q. Gong, T. Gao, L. Zhang, J.L. Li, P.A. Lv, L.L. Yu, F. Gao and G.H. Zhou	59
Effects of dry whey powder alone or combined with calcium butyrate on productive performance, duodenal morphometry, nutrient digestibility, and ceca bacteria counts of broiler chickens C. Pineda-Quiroga, R. Atxaerandio, R. Ruiz and A. García-Rodríguez	65
Dietary effects of plant extracts, based on verbascoside, lycopene and horseradish on several blood variables and plasma oxidative status in growing rabbits D. Casamassima, M. Palazzo, F. Vizzarri, C. Costagliola, C. Corino and A. Di Costanzo	148
Supplementation with live yeasts and essential oils does not alter blood, fecal and digestible parameters in horses M.A.F. Palagi, K. Feltre, I.V.F. Gonzaga, R. de Lima Costa, L.A.J. de Moraes Filho, J.C. de Carvalho Balieiro and A.A. de Oliveira Gobesso	161
Different sources of calcium for starter pig diets A.L.A. Santana, P.L.d.O. Carvalho, N.T.E. de Oliveira, A.C. Gonçalves Junior, A.P. Gazola, D.E.d.S. e Castro, S.T. Carvalho and A.d.C. Oliveira	175
Livestock Farming Systems and Management	
<i>Original research articles</i>	
Evaluation of methodologies for equine biometry M.R. dos Santos, G. Freiberger, F. Bottin, M. Chiocca, A. Zampar and D. de Córdova Cucco	24
Environmental impact of milk production across an intensification gradient in Ethiopia D. Woldegebriel, H. Udo, T. Viets, E. van der Harst and J. Potting	28
Effects of abortion and other risk factors on conception rate in Iranian dairy herds H. Keshavarzi, A. Sadeghi-Sefidmazgi, A.H. Stygar and A.R. Kristensen	51
Responses of broilers to the near-continuous lighting, constant 16-h lighting, and constant 16-h lighting with a 2-h night interruption Y.Y. Sun, Y.L. Li, D.L. Li, C. Chen, H. Bai, F.G. Xue and J.L. Chen	135
Reproduction Physiology	
<i>Original research articles</i>	
Effects of melengestrol acetate supplementation after fixed-timed artificial insemination on pregnancy rates of <i>Bos indicus</i> beef cows W.M.C. Junior, R.F. Cooke, M.H.C. Pereira and J.L.M. Vasconcelos	71
Embryo recovery results in Hispano-Arabe horse and Spanish donkey breeds C.C. Pérez-Marín, G. Vizuete and J.J. Galisteo	76
Effect of floor cooling on late lactation sows under acute heat stress F.A. Cabezón, A.P. Schinckel, J.N. Marchant-Forde, J.S. Johnson and R.M. Stwalley	113
Pregnancy rate after fixed-time artificial insemination of suckled beef cows subjected to a cosynch protocol with either buserelin or hCG as ovulation inducing agent W. Schmitz, M. Kramer, G. Erhardt, M. Gauly, M.-A. Driancourt and W. Holtz	141
<i>In vivo</i> effects of GnRH on expression of interleukin 1 (IL-1) system members in bovine preovulatory follicles and the influence of IL-1 β on cumulus-oocyte complexes cultured <i>in vitro</i> A.W.B. Silva, J.R.S. Passos, A.M.P. Dau, M.P. De Cesaro, J.G. Ferst, J.T. dos Santos, F.T.G. Bezerra, J.J.N. Costa, L.R.F.M. Paulino, M.A.M. Donato, C.A. Peixoto, P.B.D. Gonçalves and J.R.V. Silva	166