

Genetics, Animal Genetic Resources and Breeding*Review papers*

Vitamin B requirements and duodenal deliveries in lactating dairy cows: Organization of a limited literature
P.H. Robinson

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Effects of weaning on the stress responses and productivity of water buffalo in different breeding systems: A review
L.A. de la Cruz-Cruz, H. Bonilla-Jaime, H. Orozco-Gregorio, A.M. Tarazona-Morales, G. Ballesteros-Rodea, P. Roldan-Santiago, M. Waytula and J.M. Vargas-Romero

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Original research articles

Genetic parameters for cow-specific digestibility predicted by near infrared reflectance spectroscopy
T. Mehtiö, P. Mäntysaari, T. Kokkonen, S. Kajava, E. Prestløkken, A. Kidane, S. Wallén, L. Nyholm, E. Negussie, E.A. Mäntysaari and M.H. Lidauer

Deterministic simulations to determine the impacts of economic and non-economic breeding objectives on sustainable intensification of developing smallholder dairy farms
C.M. Kariuki, J.A.M. van Arendonk, A.K. Kahi and H. Komen

Effects of combining immunocastration and β -adrenergic agonists on the meat quality of Nellore cattle
M.R. Mazon, D.S. Antonelo, J.F.M. Gómez, K.E.Z. Nubiato, J.M. Balage, H.B. Silva, W.N. Tapp III, P.R. Leme, R.S. Goulart, H. Fukumasu, B.J. Johnson, D.M.C. Pesce and S.L. Silva

Scrotal skin thickness, testicular shape and vascular perfusion using Doppler ultrasonography in bulls
L.A.M. Claus, F.A. Barca Junior, C. Koetz Junior, G.R. Pereira, P.d.C. Fávoro, V.H.G. Galdioli, M.M. Seneda and E.L.d.A. Ribeiro

Impacts of administering prostaglandin $F_{2\alpha}$ analogue 24 h prior to progesterone insert removal on expression of estrus in beef females
P.L.P. Fontes, R.F. Cooke, N. Oosthuizen, C.L. Timlin, N.W. Dias, J.F. Currin, S. Clark, K.G. Pohler, G.C. Lamb and V.R.G. Mercadante

Milk lactoferrin and milk constituents in dairy Gyr heifers
A. Ujita, J.A. Negrão, A.E.V. Filho, A.R. Fernandes and L.E. Faro

Drawbacks and consequences of selective strategies in the design of semen banks: Case study of the Pura Raza Español horse breed
M. Solé, M. Valera, M.J. Sánchez, P.J. Azor and J. Fernández

Effect of cashew nut shell liquid feeding on fermentation and microbiota in the rumen of Thai native cattle and swamp buffaloes
S. Konda, R. Onodera, E. Kanchanasatit, P. Boonsaen, S. Sawanon, K. Nagashima, Y. Suzuki, S. Koike and Y. Kobayashi

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Effects of hair sheep breed and region of origin on feed dry matter required for maintenance without and with a marked feed restriction

D. Tadesse, R. Puchala and A.L. Goetsch 114

Composition of rumen-surrounding fat and fatty acid profile in selected tissues of lambs fed diets supplemented with fish and rapeseed oils, carnosic acid, and different chemical forms of selenium
M. Bialek and M. Czauderna

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Production performance and economic traits of silkworms (*Bombyx mori* L., 1758) fed with mulberry tree leaves (*Morus alba*, var. Ichinose) significantly differ according to hybrid lines
R. Samami, A. Seidavi, N. Eila, M. Moarrefi, D.J. Ziaja, J.A. Lis, N.G. Rubiu and M.G. Cappai

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Ruminant Nutrition*Original research articles*

Effect of biosurfactant added in two different oil source diets on lamb performance and ruminal and blood parameters
S.B. Gallo, T. Brochado, L. Brochine, D. Passareli, S.F. Costa, I.C. da S. Bueno, J.C. de C. Balieiro, R. Franzolin Neto and L.O. Tedeschi

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Non-Ruminant Nutrition*Original research articles*

Comparative effects of dietary organic, inorganic, and Nano-selenium complexes and rosemary essential oil on performance, meat quality and selenium deposition in muscles of broiler chickens
A. Mohammadi, S. Ghazanfari and S.D. Sharifi

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Candida utilis yeast as a protein source for weaned piglets: Effects on growth performance and digestive function
A. Cruz, I.M. Håkenåsen, A. Skugor, L.T. Mydland, C.P. Åkesson, S.S. Hellestveit, R. Sørby, C.McL. Press and M. Øverland

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High-yielding lactating sows maintained a high litter growth when fed reduced crude protein, crystalline amino acid-supplemented diets
C.K. Hojgaard, T.S. Bruun, A.V. Strathe, J.-E. Zerrahn and C.F. Hansen

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Effect of benzoic acid, sodium butyrate and sodium butyrate coated with benzoic acid on growth performance, digestibility, intestinal morphology and meat quality in grower-finisher pigs
P.C.H. Morel, K.L. Chidgey, C.M.C. Jenkinson, I. Lizarraga and N.M. Schreurs

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