
Animal Breeding and Genetics

- 991** Genetic diversity and selection of Tibetan sheep breeds revealed by whole-genome resequencing
Dehong Tian, Buying Han, Xue Li, Dehui Liu, Baicheng Zhou, Chunchuan Zhao, Nan Zhang, Lei Wang, Quanbang Pei, Kai Zhao (China)
- 1003** Single-step genomic evaluation for growth traits in a Mexican Braunvieh cattle population
Jonathan Emanuel Valerio-Hernández, Agustín Ruíz-Flores, Mohammad Ali Nilforooshan, Paulino Pérez-Rodríguez (México)
- 1010** Genome wide association study for growth in Pakistani dromedary camels using genotyping-by-sequencing
Sajida Sabahat, Asif Nadeem, Rudiger Brauning, Peter C. Thomson, Mehar S. Khatkar (Australia)
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Animal Reproduction and Physiology

- 1022** p66Shc in sheep preimplantation embryos: Expression and regulation of oxidative stress through the manganese superoxide dismutase-reactive oxygen species metabolic pathway
Tong Zhang, Jiabin Zhang, Ruilan Li (China)
- 1034** Spatiotemporal expression and regulation of peptidase inhibitor 3 and secretory leukocyte protease inhibitor at the maternal–fetal interface in pigs
Soohyung Lee, Inkyu Yoo, Yugyeong Cheon, Hakhyun Ka (Korea)
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Ruminant Nutrition and Forage Utilization

- 1044** Characterization of physiochemical and nutrient profiles in canola feedstocks and co-products from bio-oil processing: impacted by source origin
Alessandra M. R. C. B. de Oliveira, Peiqiang Yu (Canada)
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Nonruminant Nutrition and Feed Processing

- 1059** The effect of *Acacia nilotica* bark extract on growth performance, carcass characteristics, immune response, and intestinal morphology in broilers as an alternative to antibiotic growth promoter
Muhammad Umer Zahid, Anjum Khalique, Shafqat Nawaz Qaisrani, Muhammad Ashraf, Ali Ahmad Sheikh, Muhammad Umar Yaqoob (Pakistan)
- 1067** Effect of genotype of growing rabbits on productive performance with special reference to residual feed intake at hot temperature
Moataz Fathi, Magdy Abdelsalam, Ibrahim Al-Homidan, Osama Abou-Emera, Gamal Rayan (Saudi Arabia)
- 1075** Effects of onion extracts (*Allium cepa*) inclusion in diets on growth performance, carcass characteristics, and bone morphometric of broiler chickens
E. Malematja, T. G. Manyelo, J. W. Ng'ambi, M. F. D. Nemauluma, S. D. Kolobe (South Africa)

1083 Short-term effects of dietary selenium on lactating sows to improve litter performance, milk composition and tissue selenium retention in piglets
Xing Hao Jin, Hong Jun Kim, Cheon Soo Kim, Yoo Yong Kim (Korea)

1091 Increasing sustainability in pork production by using high inclusion levels of co-products distillers dried grains with solubles, wheat middling and canola meal doesn't affect pig growth performance and meat quality but reduces boar taint

Thanh T. Nguyen, Shola G. Olumodeji, Kirsty L. Chidgey, Timothy J. Wester, Carolina E. Realini, Patrick C. H. Morel (New Zealand)

Animal Products

1101 Evaluation of the physicochemical, metabolomic, and sensory characteristics of Chikso and Hanwoo beef during wet aging

Dongheon Lee, Hye-Jin Kim, Azfar Ismail, Sung-Su Kim, Dong-Gyun Yim, Cheorun Jo (Korea)

Animal Biotechnology

1120 Protective effect of Buddha's Temple extract against tert-butyl hydroperoxide stimulation-induced oxidative stress in DF-1 cells
Eun Hye Park, Sung-Jo Kim (Korea)

1130 Identification of bioactive components behind the antimicrobial activity of cow urine by peptide and metabolite profiling

Rohit Kumar, Jai Kumar Kaushik, Ashok Kumar Mohanty, Sudarshan Kumar (India)

Animal Behavior and Welfare

1143 Effects of one hour daily outdoor access on lying and sleeping postures, and immune traits of tethered cows

Huricha, Kyoko Horaguchi, Yuichiroh Shiiba, Sachi Tanaka, Ken-ichi Takeda (Japan)

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