
Animal Breeding and Genetics

- 1685** Association of polymorphisms in *Pit-1* gene with growth and feed efficiency in meat-type chickens
Sihua Jin, Tingting He, Lei Yang, Yucui Tong, Xingyong Chen, Zhaoyu Geng (China)
- 1691** Genetic diversity and divergence among Korean cattle breeds assessed using a BovineHD single-nucleotide polymorphism chip
Seungchang Kim, Hyun Sub Cheong, Hyoung Doo Shin, Sung-Soo Lee, Hee-Jong Roh, Da-Yeon Jeon, Chang-Yeon Cho (Korea)
- 1700** The use of data mining methods for dystocia detection in Polish Holstein-Friesian Black-and-White cattle
Daniel Zaborski, Witold S. Proskura, Wilhelm Grzesiak (Poland)
- 1714** Rearing characteristics of fattening Hanwoo steers managed in different stocking densities
Jae Jung Ha, Ka Young Yang, Dong Yep Oh, Jun Koo Yi, Jong Joo Kim (Korea)
- 1721** Association of leptin, toll-like receptor 4, and chemokine receptor of interleukin 8 C-X-C motif single nucleotide polymorphisms with fertility traits in Czech Fleckvieh cattle
Katerina Jecminkova, Uwe Müller, Jitka Kyselova, Zuzana Sztankoova, Ludmila Zavadilova, Miloslava Stipkova, Ivan Majzlik (Czech Republic)

Animal Reproduction and Physiology

- 1729** Expression pattern of prohibitin, capping actin protein of muscle Z-line beta subunit and tektin-2 gene in Murrah buffalo sperm and its relationship with sperm motility
Zhaocheng Xiong, Haihang Zhang, Ben Huang, Qingyou Liu, Yingqun Wang, Deshun Shi, Xiangping Li (China)

Ruminant Nutrition and Forage Utilization

- 1738** Effect of condensed tannins from *Leucaena leucocephala* on rumen fermentation, methane production and population of rumen protozoa in heifers fed low-quality forage
Angel T. Piñeiro-Vázquez, Jorge R. Canul-Solis, Guillermo O. Jiménez-Ferrer, José A. Alayón-Gamboa, Alfonso J. Chay-Canul, Armin J. Ayala-Burgos, Carlos F. Aguilar-Pérez, Juan C. Ku-Vera (México)
- 1747** Improving quality of common reed (*Phragmites communis* Trin.) silage with additives
Keigo Asano, Takahiro Ishikawa, Ayako Araie, Motohiko Ishida (Japan)
- 1756** Influence of body condition score at calving on the metabolic status and production performance of Murrah buffaloes (*Bubalus bubalis*) during the transition period
Nelson Carvalho Delfino, Lucas Fialho de Aragão Bulcão, Henry Daniel Ruiz Alba, Mauricio Xavier da Silva Oliveira, Filipe Pinheiro Soares de Queiroz, Gleidson Giordano Pinto de Carvalho, Francisco Palma Rennó, José Esler de Freitas Júnior (Brazil)

Nonruminant Nutrition and Feed Processing

- 1766** Effect of increasing levels of apparent metabolizable energy on laying hens in barn system
Hwan Ku Kang, Seong Bok Park, Jin Joo Jeon, Hyun Soo Kim, Ki Tae Park, Sang Ho Kim, Eui Chul Hong, Chan Ho Kim (Korea)

- 1773** Effects of dietary supplementation with a combination of plant oils on performance, meat quality and fatty acid deposition of broilers
Shenfei Long, Yetong Xu, Chunlin Wang, Changlian Li, Dewen Liu, Xiangshu Piao (China)
- 1781** Effect of direct-fed microbials on culturable gut microbiotas in broiler chickens: a meta-analysis of controlled trials
Chhaiden Heak, Peerapol Sukon, Pairat Sornplang (Thailand)
- 1795** Evaluation of polyherbal formulation and synthetic choline chloride on choline deficiency model in broilers: implications on zootechnical parameters, serum biochemistry and liver histopathology
Ramasamy Selvam, Marimuthu Saravanakumar, Subramaniam Suresh, CV Chandrasekeran, D'Souza Prashanth (India)
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Animal Products

- 1807** Monitoring of white striping and wooden breast cases and impacts on quality of breast meat collected from commercial broilers (*Gallus gallus*)
Yuwares Malila, Juthawut U-chupaj, Yanee Srimarut, Premsak Chaiwiwattrakul, Tanaporn Uengwetwanit, Sopacha Arayamethakorn, Veerasak Punyapornwithaya, Chalutwan Sansamur, Catherine P. Kirschke, Liping Huang, Surapun Tepasamordech, Massimiliano Petracci, Wanilada Rungrassamee, Wonnop Visessanguan (Thailand)
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Animal Health

- 1818** Importance of the knowledge of pathological processes for risk-based inspection in pig slaughterhouses (Study of 2002 to 2016)
Pedro Sánchez, Francisco J. Pallarés, Miguel A. Gómez, Antonio Bernabé, Serafin Gómez, Juan Seva (Spain)
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Animal Behavior and Welfare

- 1828** The change of sleeping and lying posture of Japanese black cows after moving into new environment
Michiru Fukasawa, Tokushi Komatsu, Yumi Higashiyama (Japan)
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Environment and Management

- 1833** Effect of fibrous diets on chemical composition and odours from pig slurry
Conference Thando Mpendulo, Vuyisa Andries Hlatini, Cypril Ndumiso Ncobela, Michael Chimonyo (South Africa)
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Book Review

- 1840** Opportunities and challenges for research on food and nutrition security and agriculture in Asia
Opportunities for future research and innovation on food and nutrition security and agriculture – a global perspective
Jong K. Ha (Korea)
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- 1842** CORRIGENDUM (2018; vol 31, no 10, 1627-1634)