

Contents

Animal Breeding and Genetics

- 829** Effect of ACADL on the differentiation of goat subcutaneous adipocyte
A Li, YY Li, QB Wuqie, X Li, H Zhang, Y Wang, YL Wang, JJ Zhu, YQ Lin (China)
- 840** Novel polymorphisms of dopa decarboxylase gene and their association
with lamb quality traits in Indonesian sheep
Ratna Sholatia Harahap, Ronny Rachman Noor, Yuni Cahya Endrawati,
Huda Shalahudin Darusman, Asep Gunawan (Indonesia)
- 851** Exosome-mediated delivery of gga-miR-20a-5p regulates immune response
of chicken macrophages by targeting IFNGR2, MAPK1, MAP3K5, and
MAP3K14
Yeojin Hong, Jubi Heo, Suyeon Kang, Thi Hao Vu, Hyun S. Lillehoj, Yeong Ho Hong
(Korea)
- 861** Genome-wide association study for loin muscle area of commercial
crossbred pigs
Menghao Luan, Donglin Ruan, Yibin Qiu, Yong Ye, Shenping Zhou, Jifei Yang, Ying Sun,
Fucai Ma, Zhenfang Wu, Jie Yang, Ming Yang, Enqin Zheng, Gengyuan Cai,
Sixiu Huang (China)
-

Ruminant Nutrition and Forage Utilization

- 869** Effects of peripartal glucose precursor supplementation on lactation
performance and metabolic health of primiparous and multiparous dairy
cows
Muhammad Uzair Akhtar, Hifzulrahman, Talat Naseer Pasha, Muhammad Avais,
Nauman Khan, Ghazanfar Ali Chishti, Mubashar Ali, Muhammad Imran,
Muhammad Naeem Tahir, Muhammad Naveed-ul-Haque (Pakistan)
- 879** Evaluation of *Megasphaera elsdenii* supplementation on rumen
fermentation, production performance, carcass traits and health of
ruminants: a meta-analysis
Irwan Susanto, Komang G. Wiryanaw, Sri Suharti, Yuli Retnani, Rika Zahera,
Anuraga Jayanegara (Indonesia)
-

Nonruminant Nutrition and Feed Processing

- 891** Effects of crude oligosaccharide extract from agricultural by-products on
the performance and gut development of broilers
Janjira Sittiya, Suphavadee Chimtong, Phumipat Sriwarcharameta (Thailand)
- 899** Characterization of clutch traits and egg production in six chicken breeds
Lei Shi, Yunlei Li, Adam Mani Isa, Hui Ma, Jingwei Yuan, Panlin Wang, Pingzhuang Ge,
Yanzhang Gong, Jilan Chen, Yanyan Sun (China)
- 908** Chemical composition of cassava-based feed ingredients from South-East
Asia
Natalia S. Fanelli, Leidy J. Torres-Mendoza, Jerubella J. Abelilla, Hans H. Stein (USA)
- 920** Dietary methionine supplementation to a low-protein diet improved hair
follicle development of Angora rabbits
Man Zhao, Tongtong Wang, Bin Wang, Chuanhua Liu, Fuchang Li, Lei Liu (China)

Animal Products

- 929** Effects of β -glucan with vitamin E supplementation on the growth performance, blood profiles, immune response, pork quality, pork flavor, and economic benefit in growing and finishing pigs
Tae Wook Goh, Hong Jun Kim, Kunyong Moon, Yoo Yong Kim (Korea)
-
- 943** Carcass trait, meat yield and quality characteristics of recently-synthesized Woori Heukdon and commercial LYD pigs under identical rearing condition
Van-Ba Hoa, Dong-Heon Song, Ye-Jin Min, Kuk-Hwan Seol, Sun-Moon Kang, Hyun-Wook Kim, Sung-Sil Moon, Soo-Hyun Cho (Korea)
- 953** Physicochemical and histopathological parameters of broilers with dorsal cranial myopathy
Ana Clara Longhi Pavanello, Fernanda Jéssica Mendonça, Thalita Evani Silva Oliveira, Guilherme Baú Torezan, Giovana Wingeter Di Santis, Adriana Lourenço Soares (Brazil)
- 962** Effects of diet and castration on fatty acid composition and volatile compounds in the meat of Korean native black goats
Jinwook Lee, Hye-Jin Kim, Sung-Soo Lee, Kwan-Woo Kim, Dong-Kyo Kim, Sang-Hoon Lee, Eun-Do Lee, Bong-Hwan Choi, Farouq Heidar Barido, Aera Jang (Korea)

Animal Biotechnology

- 973** Production of chickens with green fluorescent protein-knockin in the Z chromosome and detection of green fluorescent protein-positive chicks in the embryonic stage
Kyung Soo Kang, Seung Pyo Shin, In Su Ha, Si Eun Kim, Ki Hyun Kim, Hyeong Ju Ryu, Tae Sub Park (Korea)
-

Animal Behavior and Welfare

- 980** Biometric identification of Black Bengal goat: unique iris pattern matching system vs deep learning approach
Menalsh Laishram, Satyendra Nath Mandal, Avijit Halder, Shubhajyoti Das, Santanu Bera, Rajarshi Samanta (India)