

Contents

Volume 62 Issue 6 2022

Review

- Maternal influence on the skewing of offspring sex ratio: a review
Sharanya J. Naidu, Arunachalam Arangasamy, Sellappan Selvaraju, B. Krishnan Binsila, Ippala Janardhan Reddy, Janivara Parameshwaraiah Ravindra and Raghavendra Bhatta 501–510

Gut Physiology and Feed Additives

- Antimicrobials added to the feed of weaned piglets at two ages improves the molecular expression of intestinal barrier proteins
Victor H. Herrera Franco, Sandra C. Pardo Carrasco and Jaime E. Parra Suescún 511–520

Nutrition and Metabolism

- Maternal oral supplementation with citrulline increases plasma citrulline but not arginine in pregnant Merino ewes and neonatal lambs
Niki McCarthy, Billie-Jaye Brougham, Alyce M. Swinbourne, Alice C. Weaver, Jennifer M. Kelly, Kathryn L. Gatford, David O. Kleemann and William H. E. J. van Wettere 521–528

- Cow–calf efficiency of beef cows grazing different herbage allowances of rangelands: hepatic mechanisms related to energy efficiency
Alberto Casal, Mercedes Garcia-Roche, Adriana Cassina, Pablo Soca and Mariana Carriquiry 529–538

- Bone mineralisation status of broilers fed reduced-protein diets supplemented with L-arginine, guanidinoacetic acid and L-citrulline
Hiep Thi Dao, Amy F. Moss, Emma J. Bradbury and Robert A. Swick 539–553

- Efficacy of dietary quercetin supplementation with high-energy diet model in broilers: implications on zootechnical parameters, serum biochemistry, antioxidant status, patho-morphology and gene expression studies
Abhishek B. Parmar, Vipul R. Patel, Jignesh M. Patel, Umed V. Ramani and Dhruv N. Desai 554–571

Nutrition and Stress

- Nutritional strategies to support performance of commercial Pekin ducks exposed to a high-temperature thermal challenge over 29–41 days of age
J. A. Downing 572–580

Feed Quality and Nutritional Value

- Finding alternative uses for Australian rosella (*Hibiscus sabdariffa*) byproducts: nutritional potential and *in vitro* digestibility studies
Ryan J. Batley, Joel B. Johnson, Janice S. Mani, Daniel A. Broszczak and Mani Naiker 581–589

Meat Quality and Nutrition

- Carcass characteristics, colour and eating quality of beef from late maturing suckler bulls finished at pasture with or without concentrate supplementation or indoors on a high concentrate ration
A. P. Moloney, E. G. O’Riordan, M. McGee, M. G. O’Sullivan, J. P. Kerry, S. S. Wilson, F. J. Monahan, A. K. Kelly, K. McMenamin and L. Moran 590–600