

Contents

Journal of Animal Research

Vol. 12, No. 05, October 2022

- Novel Interventions in Monitoring of Meat Quality and Spoilage: A Review 601
Upender, Sudesh Kumar, Suvidhi, Krishna N. Bansal and Ajay Kumar
- Impact of Exogenous Protease on Performance, Nutrient Digestibility, and Excreta Odor Emission in Broiler Chickens Fed Corn-Soybean-Based Diet 613
Anushka Lokhande, Abdolreza Hosseindoust, SuHyup Lee and Jin Soo Kim
- An Animal Model of Non-Descript and Exotic Breeds of Pigs to Study Relative Expression Profiling of Key Genes of Muscle Development and Body Growth in Postnatal *Longissimus Dorsi* Muscle 623
Shubhanshi Ranjan, Simrinder Singh Sodhi, C.S. Mukhopadhyay and R.S. Sethi
- Effects of Nanonickel Administration on Biochemical Parameters in Wistar Rats 633
Jitendra Singh, Munish Batra, Tushar Gupta and Neeraj Kumar
- Hemp Seed Protein and Carrageenan Based Biodegradable Composite Film for Food Packaging Applications 641
Sabahu Noor, Sunil Kumar, Zuhaib F. Bhat and Arvind Kumar
- Foldscope Based Detection of Rice Husk and Saw Dust Adulteration in Feed Ingredients and Thiram Contamination in Cereal Grains 647
Thadaveni Anitha, Srungarapati Bindu Madhuri, Govindaraj Alexander, Amaravadhi Sarat Chandra and Malisetty Venkateswarlu
- Comparative Study Targeting Differentially Expressed Genes Related to Metabolic Response, Skeletal System and Body Growth in Postnatal Fat Tissue of Adult Large White Yorkshire and Non-Descript Pig Breed of Punjab 657
Dalbir Singh, Simrinder Singh Sodhi, C.S. Mukhopadhyay and R.S. Sethi

Physico-chemical and Sensory Attributes of Traditional Pork Products Incorporated with <i>Anishi</i> at Refrigerated Storage (4±1°C) Under Vacuum Packaging	667
<i>H.M. Sangtam, S.K. Laskar, R. Thomas and A. Das</i>	
A Review on Thermoregulatory Responses in Tharparkar Cattle against Heat Stress	675
<i>Nistha Yadav, Urmila Pannu, Manju Nehara and Gayatri Gujar</i>	
A Porcine Model to Study the Differential Expression of Myogenic Regulatory Factors (MRFs) in Piglets <i>vis-a-vis</i> Adult Pigs of Indigenous and Large White Yorkshire Breeds	689
<i>Piyush Kumar, Simrinder Singh Sodhi, C.S. Mukhopadhyay and R.S. Sethi</i>	
Comparative Evaluation of Lemon Grass and Orange Essential Oils as a Green Pesticide against House Flies <i>Musca domestica</i> in India	699
<i>N. Rani, G. Ponnudurai and Aditi Kalita</i>	
<i>In Vitro</i> Evaluation of Oocysticidal and Sporulation Inhibition Effects of Essential oil of Orange (<i>Citrus sinensis</i>) Against <i>Eimeria tenella</i>	707
<i>Aditi Kalita, G. Ponnudurai, N. Rani, G.A. Balasubramaniam and P. Mekala</i>	
Effect of Phytogetic Feed Mixture on Blood Hematology, Metabolites, Enzymes and Lipids in Broilers	713
<i>Pooja Singh, Neeraj, Ramesh Pandey and Amit Kumar Singh</i>	
Assessment of Comparative Efficacy of Disinfectants on the Microbial load of Sheep and Goat Slaughterhouses	721
<i>Bhargavi, K., Rishitha, D.J., Lakshmi Kavitha, K. and G.V. Bhaskar Reddy</i>	
Evaluation of Haptoglobin as a Prognostic Marker in Dogs Affected with Hepatobiliary Disorders	729
<i>K. Lakshmi, K. Padmaja and Sujatha Singh</i>	
Economic Analysis of Functional Yoghurt and its Impact on Consumer Acceptability	733
<i>Harshita Sonarathi, S. Siva Kumar, Varinder Pal Singh and Rekha Chawla</i>	
Ultrasonographic Evaluation of Hepatic Disorders in Dogs	739
<i>K. Lakshmi and K. Padmaja</i>	

Comparison of Reliability of Animal Models and Bayesian Approach for Estimation of Genetic Parameters of Growth Traits in Chokla Sheep	745
<i>Garima Choudhary, Urmila Pannu, H.K. Narula, Ashish Chopra, G. Gowane, Manju Nehara and N.K. Poonia</i>	
Interaction Effect of Dietary Supplementation of Giloy Herb and Ascorbic acid with Different Bedding Materials on Fortnight Body Weight and Gain of Japanese Quail During Growth Period	757
<i>Narender Kumar Poonia, Vijay Kumar, Tara Bothra and Garima Choudhary</i>	
Association of Body Weight with Testicular and Semen Quality Parameters in Indian Goat Breeds	765
<i>Asad Khan, Mohan Singh Thakur, Shrikant Joshi, Satya Nidhi Shukla, Ankur Khare, Vaishali Khare, Rajesh Kumar Vandre and Mona Sharma</i>	
Effect of Different Floor Space Allowances on Post Weaned Surti Kid's Behavioural Activities	771
<i>Niti Sharma, M.M. Islam and R.J. Modi</i>	
Evaluation of Various Methods for Genomic DNA Extraction from Pure Cultures of Lysis Resistant Campylobacters Isolated from Wild Animals	775
<i>Nawal Kishor Singh, Ajay Kumar Upadhyay, Aman Kamboj, Maansi Shukla, Tanuj Kumar Ambwani, Rajesh Kumar, Himani Sharma and Namita Shukla</i>	
Canine Dilated Cardiomyopathy: A Clinical and Diagnostic Study	783
<i>K.S. Saikrishna, K. Jeyaraja, S. Vairamuthu, Mohamed Shafi and P. Selvaraj</i>	
Histological Studies on Teat of Barbari Goat in Eastern Plain Zone of Uttar Pradesh	789
<i>Nripendra Singh, Mukesh Kumar, Krishna Nand Singh, Rakesh Kumar Gupta, Krishnakant Tripathi and Pankaj Kumar Choudhary</i>	
<i>In-vitro</i> Assessment of Antibacterial and Antioxidant Capacity of Essential oils from Cumin (<i>Cuminum cyminum</i>) and Lemon (<i>Citrus limon</i>) for Future Applications in Meat Industry	795
<i>Goswami Mayank, Nitin Mehta, Harsh Panwar, Om Prakash Malav and J.S. Bedi</i>	
SHORT COMMUNICATION	
Feeding Practices in Plain Rural Areas of Jammu Region	803
<i>Divya Sharma, Vijay Kumar Sharma and Neelesh Sharma</i>	