

Contents

Journal of Animal Research

Vol. 11, No. 06, December 2021

- Digestive Morphology of Native Pig Supplemented by Different Levels of Fermented *Vigna radiata* L. 951
Ken N Falculan
- An Animal Model to Visualize Differential Expression of Genes Related to Metabolic Process and Immune Reaction between Large White Yorkshire (LWY) and Indigenous Pigs of Punjab 963
Amanpreet Kaur, Simrinder Singh Sodhi, R.S. Sethi and C.S. Mukhopadhyay
- Status of Serum Mineral and Biochemical Parameters in Cross bred Cows fed Different Levels of Wet Distillers Grains with Solubles (WDGS) 969
Kavitha P., A. Ravi, D. Srinivasa Rao, Y. Ravindra Reddy, K. Padmaja and K. Jayasree
- Production of Vitamin D₃ Enriched Designer Chicken Eggs by Direct Ultra Violet Blue (UVB) Light Exposure 977
P.S. Megha and V. Ramnath
- Studies on Pulsed-wave Doppler Echocardiography in Small Breed Dogs 983
Prabha Sharma, Sanjay Purohit, Anil Singh, Prashant R Singh and R.P. Pandey
- Anti-inflammatory Potential of Whole Pomegranate Fruit Juice (POM) against Bleomycin Induced Lung Injury in Rats 989
Shaik Maimonaparveen, D. Madhuri, M. Lakshman and B. Anilkumar
- Supplementation of *Phyllanthus amarus* and *Cuminum cyminum* Hasten Vaccinal Antibody Response against Newcastle Disease Virus and Increases Gut Absorptive Surface in Backyard Poultry 995
Elamurugan Appavoo, Puvarajan Boovalingam, Bharathi Ramasamy, Rajalakshmi, S. and Vidhya Mahalingam

Genetic Diversity Studies using Microsatellite Markers to Analyse Genetic Variation among the Buffalo Breed Populations in Jammu Region	1001
<i>S Gurdeep Singh, Amitoz Kour, R.K. Taggar, D. Kumar and D. Chakarborty</i>	
Changes in the Composition of Colostrums, Transition Milk and Milk of Crossbred Cows due to Transition Period Supplementation of Vitamin A, E and Zinc	1007
<i>Sadhana Tiwari, S.S. Lathwal, Yogesh Pandey, Deepandita Burman, S. Praveen, Shwetambari Jamwal, Yallappa M Somagond and A.K. Dang</i>	
<i>In vitro</i> Evaluation of Concentrate Mixtures containing Graded Levels of Cottonseed Meal in Buffalo Inoculum	1017
<i>Silveru Srinath, Jasmine Kaur, J.S. Hundal, J.S. Lamba and Shashi Nayyar</i>	
Study the Effect of Feed Additives on Physiological Performance of Sahiwal Growing Female Calves During Summer Season in Arid Region of Rajasthan	1025
<i>S. Chandekar, R. Arora and R. Mann</i>	
The Effect of Non-Genetic Factors on Body Weight and Zoometric Traits in Sirohi Kids	1031
<i>Shashikant, R.K. Nagda and C.V. Singh</i>	
Ultrasonographic Findings of Urinary System in Dogs suffering from Chronic Renal Failure	1039
<i>Sonu, Ashok Kumar, Tarun Kumar and Gaurav Charaya</i>	
Efficiency of Sesame Seeds as Fat Replacer to Develop Functional Chicken Sausage	1043
<i>Parma Ram Gorachiya, Basant Bais, Vikas Pathak, Meena Goswami, Sanjay Singh and Basant</i>	
Prediction of Future Milk Production Trend in India and Central Punjab	1051
<i>Aatralarasi, S., L.K. Dhaliwal, P.K. Kingra and Gourav Jain</i>	
Gross Study on Branching Pattern of the Brachial Artery in Goat	1059
<i>Aditya Kumar, R.K. Jain and Parveen Kumar Gahlot</i>	

<i>In Vitro</i> Antibacterial Potentials of Various Extracts of Rosemary Leaf Powder and Black Cumin Seed Powder	1065
<i>Abhishek Sharma, R.K. Dhuria and Deepika Dhuria</i>	
Gross and Morphometrical Studies on the Female Reproductive Tract of White Leghorn and Kadaknath Hens	1071
<i>Tanvi Mahajan, Sanjeev Joshi, Pankaj Kumar Thanvi and Mahendra Saini</i>	
Effect of Rice Based Distillers Dried Grain Soluble (Rddgs) With or Without Enzyme Supplementation on Nutrient Retention and Antioxidant Activity Parameters of Commercial Broiler Chicken	1077
<i>R. Shirisha, K. Vijaya Lakshmi, Daida Krishna, N. Nalini Kumari and M.V.L.N. Raju</i>	
Method Validation for Detection of Sulphamethazine Residue in Chicken Meat Samples by Simple Rapid Liquid Chromatography Technique	1083
<i>Choodamani Chandrakar, Sanjay Shakya, Anil Patyal, S.K. Tiwari, O.P. Mishra, V.K. Naik and Ankit Shukla</i>	
Estimation of Genetic Parameters of First Lactation and Life Time Traits Using Sire Model and Animal Model in Crossbred Cattle	1089
<i>Manita Dangi, C.V. Singh, R.S. Barwal and B.N. Shahi</i>	
Raw Milk Quality and Udder Health Status of Lactating Crossbred Sahiwal Cows Supplemented with β -carotene Enriched Mineral-Vitamin Premix	1097
<i>Vinod Bhatashwar, Dinesh Chandra Rai, Raj Kumar Duary, Mahesh Datt and Hitesh Muwal</i>	
Cost and Returns of Milk Production Under Different Types of Dairy Farms in Kerala	1105
<i>Sabin George, P.C. Saseendran, K.S. Anil, V.L. Gleeja, E.D. Benjamin, S. Pramod and M.K. Muhammad Aslam</i>	
Standardization of Optimum Conditions for Hydrolyses of Goat Milk Whey Protein with Trypsin Enzyme	1111
<i>Apoorva Argade and Satyavir Singh Ahlawat</i>	

SHORT COMMUNICATION

Radiographic Assessment of Dogs with Pulmonary Arterial Hypertension 1117

Tejini M Kumar, Neetu Saini and Arun Anand

Breeding and Heath Care Management Practices of Dairy Animals in U.S. Nagar District of
Uttarakhand 1123

Shikha Yadav, Anil Kumar, C.B. Singh and Aashaq Hussain Dar