

Contents

Journal of Animal Research

Vol. 11, No. 4, August 2021

- Risk Factors Associated with Porcine Leptospirosis in Uttar Pradesh, India 561
Sujit Kumar Behera, Sabarinath, T., Rajeev Singh, Abhishek Hota, Shanmugham Chandra Sekar, Ashok Kumar, Senthil Kumar, Radhakrishna Sahu, Med Ram Verma, Ganesh Balasubramanian and Ajayta Rialch
- Expression and Purification of Exposed Outer Domain of *Pseudomonas aeruginosa* Opr86 protein 571
Shradha Jamwal and Niraj K. Singh
- Immunomodulatory Effects of *Nigella sativa* Extract on Chicken Peripheral Blood Mononuclear Cells: *In-vitro* 579
Yogendra Singh, Patel Nikunj Kumar Prakashbhai, Beenam Saxena and Saravanan Ramakrishnan
- Effect of Lychee Peel Aqueous Extract on Kadaknath and Cobb Chicken Meat Patties during Refrigerated Storage ($4\pm 2^{\circ}\text{C}$) 587
Pal Ankita, Malik Ashok, Kumar Surender, Jangir Apeksha and Chopra Deeapk
- Cross Sectional Study to Determine Apparent Occurrence of Protozoan Parasites in Cross Bred Cattle Inflicting Reproductive Failures 599
Sravanthi, R., Jeyabal, L., Srinivasa Rao, K., Prasada Rao, T., Gnani Charitha, V., Sivajothi, S., Rayulu, V.C., Suresh Kannan, S., Nagarajan, K., Kutty Kumar and Porteen, K.
- Alteration in Serum Concentration of Canine C-Reactive Protein (CRP) Associated with Canine Monocytic Ehrlichiosis (CME) and its Amelioration by Conventional Treatment 611
Jaideep Singh, Mukesh Kumar Srivastava, Kapil Kumar Gupta, Vikrant Sudan, Ashish Srivastava and Barkha Sharma
- Characterization of Pig and Poultry Origin *Escherichia coli* for Beta-lactamase Type Antimicrobial Resistance 619
Ranjan Mahadewaswami, Rahul Kolhe, Chandrakant Bhong, Prashant Mhase, Sameer Jadhav, Vijaysinh Lonkar and Sujata Bhave

Effect of Protein Supplements on Nutrient Utilization and Production of Lactating Gir Cows	627
<i>Lekhu Kumar, R.P. Jat, Subhash Yadav and Maya Jat</i>	
High Definition Oscillometric Blood Pressure Measurement in Apparently Healthy Dogs: A Clinical Study	637
<i>Meenu Bala, Sujata Turkar, Neetu Saini, Charanjit Singh Randhawa and Neeraj Kashyap</i>	
Pulsed Wave Doppler Echocardiographic Evaluation and Management of Atrial Fibrillation in Dogs with Dilated Cardiomyopathy	643
<i>K. Basava Reddy, C. Ansar Kamran, H.A. Upendra, Suguna Rao and V. Mahesh</i>	
Molecular Identification of Marek's Disease Virus in Vaccinated Commercial Layers of Tamil Nadu in India	649
<i>M. Saravanajayam, K.M. Palanivel, G. Selvaraju, A. Balasubramaniam and P. Srinivasan</i>	
Genetic Studies on Productive and Reproductive Traits of Crossbred Jersey (Jersey × Nondescript) Cattle	653
<i>Periyasamy Vijayakumar, Athinarayanan Paramasivam, Arunasalam Singaravadelan, Thiagarajan Sivakumar, Thangavelu Vasanthakumar, Ramasamy Nithiaselvi and Richard Churchil</i>	
Relative Risk and Odds Ratio of Risk Factors Associated with Digestive Diseases in Ganjam Goats of Odisha	661
<i>Dillip Kumar Karna, Aditya Prasad Acharya, Bhabesh Chandra Das, Gangadhar Nayak and M.R. Dibyardarshini</i>	
Synchronization of Oestrus in Marwari Mares Using Different Hormonal Protocols During the Breeding Season	669
<i>Jugraj Singh Mahal, Harmeet Singh Sandhu and Touqeer Ahmed</i>	
Aloe Vera (<i>Aloe barbadensis</i>) as Feed Additive for Buffalo Calves: Effects on Gut Parasites and Cost of Production	675
<i>Ravinder Saini, Suresh K Chhikara, Subhasish Sahu, Dipin Chander Yadav and Pradeep Kumar</i>	
Comparative Study on Nutrient Utilization of Cross-Bred and Gir Cows Fed Green Lucerne During Winter Season	681
<i>Om Prakash Choudhary, R.P. Jat, Subhash Yadav, Sohan Lal Boori and Lekhu Kumar</i>	

Implication of Season and Parity on Bioacoustics Features for Detection of Estrus Phase in Murrah Buffalo	687
<i>Indu Devi, Pawan Singh, Kuldeep Dudi and Yajuvendra Singh</i>	
Postnatal Histomorphological Studies on the Gall Bladder of Guinea Pig (<i>Cavia porcellus</i>)	695
<i>S. Rajathi, Geetha Ramesh, T.A. Kannan, S. Hemalatha and S. Paramasivan</i>	
Evaluation of the Role of Himpyrin Liquid in the Management of Inflammation and Pain in Cats	701
<i>Rohith K Jayaprakash, Vishwanath G Bhagwat, Tattimani Santosh and Rangesh Paramesh</i>	
Health Care Management Practices of Backyard Poultry Rearing in Dungarpur District of Rajasthan	707
<i>Budharam, Lokesh Gupta and Lekhu Kumar</i>	
Assessment of Socio-economic Status of Farmers and Distribution of Buffalo Population in the Mahakaushal Region of Madhya Pradesh	711
<i>Rajesh Kumar Vandre, Shrikant Joshi, Mohan Singh Thakur, Madhu Sudhan Tantia, Rekha Sharma, Ajit Pratap Singh, Akhilesh Pandey, Vaishali Khare, Mona Sharma and Asad Khan</i>	
Correlations among Egg Production Traits in IWD and IWF Strains of White Leghorn	717
<i>B. Sridevi, S.T. Viroji Rao, M. Gnana Prakash, V. Ravinder Reddy and D. Krishna</i>	
Effect of Season and Period of Milking on Milk Constituents of Sahiwal Cow in the High Humid Condition of Assam	725
<i>Upasana Baruah, Purabi Kaushik, Farzin Akhtar and Kabita Bala Kalita</i>	
Comparative Study of the Conventional Parasitological Methods for the Detection of <i>T. evansi</i> in Buffaloes	729
<i>Rashmi Sharma, Nidhi S. Choudhary, R.K. Bagherwal, Vivek Agrawal, Hemant Mehta and Arun Mourya</i>	
Ocular Ultrasonography and Biometry of Healthy Eyes in White Leghorn Birds	733
<i>Ankur Sharma, Shilpa Sood, Priyanka Pandey, H.R. Bhardwaj, P. Gupta, A. Kumar, D.K. Dwivedi, D. Chakraborty and Satuti Sharma</i>	

Effect of Varying Dietary Cation-Anion Difference (DCAD) on <i>In Vitro</i> Nutrient Digestibility	737
<i>Harneet Kour, Ravinder Singh Grewal, Jaspal Singh Lamba, Jasmine Kaur and Shashi Nayyar</i>	
Production Performance of Kathani Cattle in Mul Tahsil of Chandrapur District	741
<i>Ruchi Yadav, Ravindra Zinjarde, Vilas Atkare and Kavita Kadu</i>	
A Study on the Performance, Suitability and Economics of Pratapdhan Under Backyard Poultry Farming in Banswara District of Rajasthan	745
<i>Bheroo Singh Bhati, Lekhu Kumar and Gopal Lal Kothari</i>	
Galactagogue- Its Effect on Milk Yield and Composition	751
<i>Neelesh Sharma, Zul I Huma, Sandeep Gupta, Savleen Kour, S.R. Upadhyay and Nrip Kishore Pankaj</i>	
Associative Diversity of ITS 1 gene in Different <i>Trypanosoma evansi</i> Isolates of Equine Origin from Semi Arid India	755
<i>Ruchi Singh Gaur, Daya Shanker, Vikrant Sudan, Shanker Singh and Ashutosh Jadaun</i>	
SHORT COMMUNICATION	
Microanatomical Features of the Uterus of Albino Wistar Rat (<i>Rattus norvegicus</i>) in Oestrous	761
<i>Archana Kantepudi, Ranjith Kumar Sundari and Rajendranath Nalla</i>	