Print ISSN: 2249-6629 Online ISSN: 2277-940X

## **Contents**

## Journal of Animal Research

Vol. 8, No.4, August 2018

Relative Expression Profile of AA Genotype of BMP4 Gene in Broiler and Layer Chicken	549
D. Divya, M. Gnana Prakash, R.N. Chatterjee, V. Ravinder Reddy, Y. Narasimha Reddy and T.K. Bhattacharya	
A Cross Sectional Study on the Prevalence and Identification of Major Ixodid Tick Parasites of Cattle in Gozamin Woreda, East Gojjam, Ethiopia	555
Tadele Leyikun, Biniyam Mulugeta and Mulat Asrat	
HSP70s Expression in Peripheral Blood Mononuclear Cells in Pre and Postpartum Murrah Buffaloes during Summer and Winter Seasons with Astaxanthin Supplementation  **Lakshmi Priyadarshini and Anjali Aggarwal**	561
Developmental Potential and Apoptosis Incidence of <i>In Vitro</i> Produced Buffalo Embryos Vitrified by Solid Surface Technique	571
Sandeep Rahangdale, Dharmendra Kumar, Ajit Pratap Singh, Lalit Mohan Jeena and Bikash Chandra Sarkhel	
Effect of Dietary Cholesterol and Niacin Supplementation on Serum Enzymatic Alterations in Experimentally Induced Renal Dysfunction in Wistar Rats	579
Pallavi Khajuria, Pratiksha Raghuwanshi, Aditi Lal Koul, Ankur Rastogi, Sumeet Kour and Vishav Pratap Singh	
Effect of Dilution and Sperm Concentration on Post Thaw Semen Quality in Barbari Buck  Mukul Anand, Sarvajeet Yadav, Alok Kumar, Shalini Vaswani and Pankaj Shukla	587
Follicular Dynamics during Estrous Cycle in Murrah Buffaloes	593
P.M. Kekan, S.D. Ingole, A.S. Nagvekar, S.V. Bharucha, S.D. Kharde, S.U. Gulavane and R.J. Chaudhari	<i>37</i> 3

Comparative Therapeutic Study on Combined Herbal Therapy in Equine Impactive Colic	597
Dinesh Gulia, Manisha Punia, Ashok Kumar, Vinod Kumar, Neelesh Sindhu and V.K. Jain	
Effect of Dietary Monensin Supplementation on Faecal Nitrogen Excretion and Blood Metabolites in Non Pregnant Non Lactating Murrah Buffaloes	605
Shiva Gupta, Madhu Mohini, S.S. Thakur and Goutam Mondal	
Effect of Zinc Supplementation on Oxidative Stress status in Male Wistar Rats	611
Juneet Kour, Jonali Devi, Kamal Sarma and Dibyendu Chakraborty	
Pharmacokinetic Study of Single Dose Intravenous Administration of Enrofloxacin in Barbari Goats	615
Jayashri Talpade, K. Shrman, R.K. Sharma, Y.P. Sahni, Varsha Sharma, Swathi Soman, N.S. Meena and Prakash Singh	
Effect of Supplementation of Amla ( <i>Emblica officinalis</i> ) Fruit Powder on Growth Performance during Different Growth Phases of Broiler Chicken	621
Rajesh Dalal, Virender Singh Panwar, Parveen Kumar Ahlawat, Bacchu Singh Tewatia and Nancy Sheoran	
Effect of Inclusion of Sun Dried Azolla ( <i>Azolla pinnata</i> ) at Different Levels on the Growth and Performance of Broiler Chicks	629
Mangesh Kumar, Rajesh Kumar Dhuria, Dinesh Jain, Rajesh Nehra, Tribhuwan Sharma, Umesh Kumar Prajapat, Subhash Kumar and S.S. Siyag	
Performance of Growing Black Bengal Goats under Different Management Systems of Rearing	633
Nibash Debbarma, Asish Kumar Samanta, Keshab Chandra Dhara, Tridib Debnath, Vinay Singh and Avijit Haldar	
Effect of Different Levels and Sources of Supplemental Nano Zinc on Blood-Biochemical Profile and Serum Mineral Status in Wistar Rats ( <i>Rattus norvegicus</i> )	643
Kanti Raje, Anil K. Garg, Sunil E. Jadhav, Narayan Dutta, Brijesh K. Ojha and Alok Mishra	
Evaluation of Coconut Water and Coconut Milk as Ice Flake Substitute in Chicken Nuggets	651
Bhanu Pratap Singh, Kandeepan Gurunathan, Vishnuraj Mangalathu Rajan, Vivek Shukla and Sudheer Kumar Verma	
Influence of Threonine Supplementation on Antioxidant Enzyme Activities and Haemato-biochemical Parameters of Commercial Layers in Sub-Tropics	659
Bikas Ch. Debnath, Purnendu Biswas, Manik Ch. Pakhira and Barun Roy	

A Study on Occurrence of <i>Aspiculuris tetraptera</i> Infection and Mortality in Mice	667
Sabhyata Sharma and S.W. Kolte	
Ameliorating Effect of Standard Treatment on Cerulein-Induced Acute Pancreatitis in Rat Model	673
Jitendra Pratap Singh, Mahesh Kumar, S.K. Shukla and Anand Kumar Singh	
Pattern of Managerial Practices followed in Organised and Un-organgised Poultry Production System in Rajouri District of Jammu & Kashmir State	679
Saleem Choudhary, Pranav Kumar and Bharat Bhushan	
Study on Body Condition Score and its Relationship with Solid Not Fat and Weekly Fat Corrected Milk Yield in Frieswal Cows	687
Kamlesh Kumar, S. Nanavati, S.K. Joshi, Anjali Singh and Nidhi S. Choudhary	
Bovine Ruminal Acidosis: Rumen Liquor Profile and its Therapeutic Management	691
Dalip Singh, S.K. Gupta, Neelesh Sharma and A. Kumar	
Studies of Effect of Parity and Stage of Lactation on various Body Measurements, Body Weight and their Relationship with Each Other in Frieswal Cows	697
Kamlesh Kumar, S. Nanavati, S.K. Joshi, Anjali Singh, Nidhi S. Choudhary and Rashmi Choudhary	
Resource Use Efficiency in Integrated Farming Systems of Banswara District of Rajasthan	703
Hari Singh, G.L. Meena, Latika Sharma, Manoj Kumar Jangid, Bharat Bhushan and Manju	
Gross and Morphometrical Studies on the Testes of Large White Yorkshire Pig (Sus scrofa)	709
Seema Sikarwar, Rakesh Mathur, Sanjeev Joshi, Pankaj Thanvi and Ashok Dangi	
Assessment of Summer Stress and Management with Poly Herbal Anti-Stressor Product (Restobal) in Buffaloes	713
Sirigireddy Sivajothi, Bhavanam Sudhakara Reddy, Yeddula Venkata Prithvidhar Reddy, Sunkara Vani, Swati Chandel, Kotagiri Ravikanth and Bhaskar Ganguly	

## SHORT COMMUNICATION

Deciphering the Functional Analysis of <i>Bos taurus</i> Insulin like Growth Factor 1 Receptor (IGF-1R)	
Protein through <i>Insilico</i> Approaches	719
Pravas Ranjan Sahoo	
Antibiogram Pattern of Bacterial Isolates Identified from Bovine Clinical Mastitis	723
Pankaj Dutta, Anakara Vadakathe Harikumar, Sagar Shroff, Devendra Shekhar Nauriyal and Girish Kumar Sharma	
Antimicrobial Resistance Pattern of <i>Klebsiella</i> spp. Isolated from Animal Handlers	727
Anjana Josy, L. Gunaseelan, K. Porteen, P. Sriram, S.A. Anusha and P. Balaji	