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

## **Contents**

## Journal of Animal Research

Vol. 11, No. 5, October 2021

Superbugs: The Nightmare Bacteria	765
Barkha Sharma, Mukesh Kumar Srivastava, Parul, Meena Gosvami and Udit Jain	
Withdrawal Period of Enrofloxacin and its Primary Metabolite Ciprofloxacin Residues in Broiler Chicken after Pulse Water Medication	775
Veerapandian Sureshkumar and Ghadevaru Sarathchandra	
Application of Locking Compression Plate as Hybrid Locked Plate for Transverse and Short Oblique Diaphyseal Fractures of Tibia and Radius-Ulna in Dogs	783
Surendra Dunthur Siddaraju, Aswathy Gopinathan, Kiranjeet Singh, Sherin B. Sarangom and Sowbharenya Chelladurai	
Alteration in Serum Concentration of Canine C-Reactive Protein (CRP) Associated with Canine Monocytic Ehrlichiosis (CME) and its Amelioration by Conventional Treatment	795
Jaideep Singh, Mukesh Kumar Srivastava, Kapil Kumar Gupta, Vikrant Sudan, Ashish Srivastava and Barkha Sharma	
Seroprevalence of Leptospirosis in Dairy Cows with Reproductive Disorders	801
Alapa Baba Ikpe, Kutubuddin Ahmed, Dipak Kumar Sarma, Durlav Prasad Bora, Kalimuthusamy Natarajaseenivasan, Chandrani Goswami and Dhrubajyoti Borpujari	
Clinical Efficacy on the Use of Titanium Intramedullary Interlocking Nailing (Ti-IILN) for Repair of	
Communited Diaphyseal Femur Fractures in Dogs	807
Jagan Mohan Reddy K and Dilip Kumar D	
Qualitative Assessment of Concentrate Feeds of Dairy Animals for Indore District of Madhya Pradesh	819
C.S. Saksule, Ravindra Kumar Jain, Vishal Mudgal and Anchal Keshri	

Effects of Split Weaning on the Performance of Hampshire Piglets	825
Arunima Kalita, Raj Jyoti Deka, Jogi Raj Bora, Adib Haque, Ankur Das and Gunaram Saikia	
Economic Impact of Gastrointestinal Helminth Infections on Milk Production in Swamp Buffalo	831
Meena Das and Dillip Kumar Deka	
Sero-prevalence of Ovine Brucellosis in Jaipur, Rajasthan, India	837
Om Prakash Meena, Nirmal Kumar Jeph, Mamta Meena, D.S. Meena and Rashmi Singh	
Effect of Area Specific Minerals Supplementation and Deworming on Productive and Reproductive Performance of Lactating Buffalo	843
S.C. Kantwa, Y.K. Meena, S.S. Shekhawat, Ram Pratap, and S.D. Samota	
Efficacy of Area Specific Mineral Mixture and Vitamin $\mathrm{AD_3E}$ Supplementation on Milk Production Performance of Dairy Cattle	849
A.S. Shinde, Laxmi Chouhan, Sanjeev Verma, V.K. Verma and L.S. Shekhawat	
Effect of Replacing Groundnut Cake with Dried Distillers' Grains with Solubles (DDGS) on Nutrient Utilization Efficiency of Magra Lambs	853
Umesh Kumar Prajapat, T. Sharma, Nirmala Saini and Bhupendra Kaswan	
Age related Anatomical Changes in Acetabulum and its Cartilage in Buffalo ( <i>Bubalus bubalis</i> )  **Ranjith Kumar Sundari, Pramod Kumar Damaraju, Purushotham Gudepu, Lakshman Mekala and E.L. Chandrashekhar	857
Retrospective Analysis of Various Reproductive Disorders of Mares in Punjab, India  *Jugraj Singh Mahal, Mrigank Honparkhe and Ajeet Kumar*	863
Genetic Parameters in IWD and IWF Strains of White Leghorn  Sridevi Boddana, Viroji Rao Shinde and Gnana Prakash Manthani	869
A Case Study on Marketing Practices of Small Ruminants in Arid Region of Rajasthan  Pankaj Lavania, Kailash Chand Bairwa, Garbar Singh and M.P. Verma	875

Performance of Kadaknath Breed of Fowl Under Intensive System of Housing in Malwa Region of Madhya Pradesh	881
Praveen Dubey, Shrikant Joshi, Laxmi Chouhan, M.K. Mehta and Anil Shinde	
Comparative <i>in-vitro</i> Evaluation of Dog Food Using Either Rice Gluten or Maize Fibre with Commercially Available Dog Food	885
Amardeep Kaur, APS Sethi and Udeybir Singh	
Biochemical and Hormonal Parameters as Prime Markers of Postpartum Anestrum in Murrah Buffaloes	891
Kalyan, U.P.V., Vasantha, S.K.I., Nikhil Kumar Tej, J. and Rambabu Naik	
Comparison of Four Growth Curve Models for Fortnightly Body Weights in Japanese Quail	895
Shubhankar Sharma, Saroj Kumar Sahoo, Shakti Kant Dash and Prem Prakash Dubey	
Histochemistry and Angiogenesis in Thyroid Gland of Prenatal Indian Buffalo	901
Jatinderveer Kaur Billing, Opinder Singh, Devendra Pathak and R.S. Sethi	
Studies on role of Thyroperoxidase (TPO) Enzyme in Primary Hypothyroidism Affected Dogs	909
Raguvaran Raja, Debabrata Mondal, Jithin Mullakkalparambil Velayudhan, Ravi Shankar Kumar Mandal, Sonam Bhatt, Vivek Joshi and Umesh Dimri	
Antimicrobial Resistance of Pathogenic <i>Escherichia coli</i> isolated from Broiler Production Systems	915
Bajrang Kagane, Rupesh Waghamare, Vivek Deshmukh, Sanjay Londhe, Kakasaheb Khose and Pandit Nandedkar	
Effect of Supplementation of <i>Tinospora cordifolia</i> and Ascorbic Acid Combinations on Growth Performance of Broiler Chickens	925
Dinesh Jain	
Multiple Anthelmintic Resistance in Goat Farms from Semi-Arid Zone of Haryana	933
Hardeep Kalkal and Sukhdeep Vohra	
Phenotypic Characterization of Non-descript Cattle of Mahakaushal Region of Madhya Pradesh	939
Mona Sharma, Mohan Singh Thakur, Shrikant Joshi, Madhu Sudhan Tantia, Rekha Sharma, Ajit Pratap Singh, Akhilesh Pandey, Vaishali Khare, Rajesh Kumar Vandre and Asad Khan	

## SHORT COMMUNICATION

Dietary Micro-Nutrients Supplementation in the Ration of Transition Crossbred Cows Influences The Growth Performance and Hemato-Biochemical Parameters of Newborn Calves	939
Anil Rathor, R.K. Jain, M.K. Mehta and Anchal Keshri	
Comparative Studies on Growth and Haemato-biochemical Parameters of Kadaknath and	
Chabro Chickens Reared under Organic Condition  Sandip Kumar, S.K. Singh and B.S. Kirar	943