

# Contents

## Journal of Animal Research

Vol. 11, No. 3, June 2021

- Detection of Antimicrobial Resistance in *Escherichia coli* and *Salmonella* Isolated from Flies Trapped at Animal and Poultry Farm Premises 341  
*Bhavna Wadaskar, Rahul Kolhe, Vikas Waskar, Mrunalini Budhe, Krishnendu Kundu and Sandeep Chaudhari*
- Screening and Association of Polymorphism in Alpha-Lactalbumin Gene in Holstein Friesian Crossbred Cattle 351  
*Rohish Kaura, Simarjeet Kaur, J.S. Arora and Neeraj Kashyap*
- Peanut Hull and Arjuna Tree Bark Powders as Potential Functional Ingredients in Development of Low-Fat, High-Fibre Pork Patties 357  
*Pavan Kumar, Simranjeet Kaur, Mayank Goswami, Nitin Mehta, Mehak Jandyal, Tanuj Tanwar and Ajeet Singh*
- Evaluation of *Terminalia arjuna* in Comparison to Taurine against Experimental Hepatotoxicity due to Cisplatin in Rats 367  
*K. Sneha, A. Gopala Reddy, M. Usha Rani, B. Ramya, P. Shiva Kumar and B. Anil Kumar*
- Assessment of Non-Genetic Factors Affecting Production and Reproduction Traits in Badri Cattle 375  
*Javid Ur Rahman, Davendra Kumar, Bijendra Narayan Shahi, Ashis Kumar Ghosh, Satya Pal Singh, Rabendra Kumar Sharma, Anil Kumar and Stuti Singh*
- Polymorphism of Deleted in Azoospermia-Like (DAZL) Gene in Ongole, Crossbred and Murrah Bulls used for Artificial Insemination in Andhra Pradesh, India 381  
*Sudhakar Krovvidi, Vinoo, R., Muralidhar Metta, Deepthi, Ch., Surendra, K and Jayamaduri, B*
- Effect of Dietary Chromium, Vitamin E and Selenium Supplementation on Growth Performance and Cost Economics of Holstein Friesian Calves Under Heat Stress 387  
*Razia Sultana Janampet, Sarat Chandra Amaravadhi, Ramana Damarla Bala Venkata, Raghunandan Thirunahari, Gnana Prakash Manthani and Venkateswarlu Malisetty*

Smart Phone Based Electrocardiography in Dogs – A Newer Concept in Veterinary Cardiology	393
<i>K. Satish Kumar, V.V. Amruth Kumar and Aravind</i>	
Clinical and Radiographic Evaluation of Intramedullary Interlocking Nailing for Fracture Repair in Dogs	401
<i>Aasha Baderiya, Randhir Singh, Shobha Jawre, Nidhi Gupta, Babita Das, Apra Shahi and Rajesh Vandre</i>	
Effect of Feeding Dried Distillers Grains with Solubles on Nutrient Utilization and Blood Biochemical Profile of Buffalo Calves	409
<i>R.N. Chandrika, Jasmine Kaur, Chanchal Singh, J.S. Lamba and R.S. Grewal</i>	
Age Related Anatomical Changes in Articular Cartilage of Femoral Head in Buffalo ( <i>Bubalus bubalis</i> )	415
<i>Ranjith Kumar Sundari, Pramod Kumar Damaraju, Purushotham Gudepu, Lakshman Mekala and E.L. Chandrashekhara</i>	
Physicochemical Study of Livestock Farm Oriented Wastewater as a Source of Surface Water Pollution	421
<i>Jyoti Rekha Mazinder Barua, Poznur Hussain, Razibuddin Ahmed Hazarika, Nur Abdul Kader and Nanda Kumar Roy</i>	
Phenotypic Characterization of Macherla Sheep- A Lesser-Known Sheep Breed of Andhra Pradesh	433
<i>P. Panduranga Reddy, R. Vinoo, M. Muralidhar, Ch. Venkatesaiah, K. Aswani Kumar and Krovvidi Sudhakar</i>	
A study on Epidemiology and Haematological changes of Fascioliasis in Cattle and its Therapeutic Management with Indigenous Medicinal Plants	445
<i>Rajen Borgohain, Poznur Hussain, Nur Abdul Kader, Sayed Nabil Abedin and Nanda Kumar Roy</i>	
Sub Clinical Pregnancy Toxaemia Diagnostic Indicators and its Therapeutic Evaluation in Goats	457
<i>Varadarajan Vijayanand, Mani Balagangatharathilagar, Tensingh Gnanaraj and Subbiah Vairamuthu</i>	
Screening of Non Tuberculous Mycobacterium Species from Farm Environment	467
<i>Sangavi Chokkalingam, Porteen Kannan, Sureshkannan Sundaram and B.S. MRonald</i>	
Growth Performance and Carcass Characteristics of Ram Lambs Fed Concentrate Mixture Containing Varying Levels of Cashew Nut Kernel Meal	471
<i>B. Sravani, K. Raja Kishore, D. Srinivas Kumar and M. Kalyana Chakravarthi</i>	

Unveiling the Effect of Garlic and Black Cumin Oil on Egg Yolk Lipid Profile of Birds: A Comparative Study	477
<i>Shraddha Shrivastava, Aditya Mishra, Amir Amin Sheikh and B.S. Gehlaut</i>	
Effect of Storage Duration and Temperature on Hatchability and Egg Weight Loss of Kuroiler Breed of Chicken	483
<i>Subhash Yadav, Mahesh Datt and Om Prakash Choudhary</i>	
Histomorphology and Histochemistry of Liver of Adult Bakerwali and Non-descript Goats of Jammu, India	487
<i>Lovish Sethi, Shalini Suri, Kamal Sarma and Jasvinder Singh Sasan</i>	
Intrinsic Risk Factors for Bovine Tropical Theileriosis in Indian Cattle: A Meta-Analysis	497
<i>Gajendra N. Bhangale, K.C. Bhanu Prakash and Ankush R. Dhabale</i>	
Insights into the Buffalo Housing Practices Followed by Farmers in the Non-Tribal Area of Chittorgarh District in Rajasthan	505
<i>Devkishan Gurjar, Gayatri Gujar, Rajendra Singh, M.L. Gurjar, M.C. Sharma and Padma Meel</i>	
Propagation of <i>Peste des petits ruminants</i> (PPR) Virus in Vero Cells for Vaccine Production using Tide Motion Bioreactor	513
<i>Amitha Reena Gomes, Apsana R., Savitha J.V., Sobharani M, S.M. Byregowda, Lohith T.S., M.D. Venkatesha, Nandini Prabhakar and Xiangliang Lin</i>	
Risk Factors Associated with the Lameness in Crossbred Dairy Cattle Maintained Under Field Conditions	517
<i>Rohit Kumar, Mukund A. Kataktalware, S. Senani, M. Sivaram, Letha Devi G., L. Niketha and K.P. Ramesha</i>	
Development and Shelf-life Extension of Cranberry Infused Caramel Paneer Bites for School Going Children	527
<i>Simranjeet Kaur, Sunil Kumar and Pavan Kumar</i>	

Epidemiological Studies on Gastrointestinal Helminthic Infections in Dairy Animals of Transitional Plain in Luni Basin of Rajasthan	539
<i>Durga Bai Sodha, Praveen Kumar Pilania, Monika, Avinash Kumar Chouhan and Shiv Prasad Joshi</i>	
Effect of Dietary Incorporation of Aniseed ( <i>Pimpinella anisum</i> ) and Ginger ( <i>Zingiber officinale</i> ) Rhizome Powder and their Combination on Haemato-biochemical Parameters and Carcass Trait in Broiler Chicken	547
<i>Tushar Gupta, D.P. Tiwari, K.P. Narayana, B.C. Mondal and Manju Lata</i>	
Utilization of Wine Industry Waste (Red Grapes) as Natural Antioxidant for Development of Functional Mutton Rolls	555
<i>Apoorva Argade, Ashok Malik, Sanjay Yadav and Satyavir Singh Ahlawat</i>	
<b>SHORT COMMUNICATION</b>	
Effect of Protein Supplements on Feed and Water Intake in Gir Cows	563
<i>Lekhu Kumar, R.P. Jat, Budharam and Priyanka Kayath</i>	
Association between Plumage Colour and Body Weight in Native Chickens	567
<i>Shrikant Dodamani, Naveen Kumar G.S., Rudrappa S.M., Vidyasagar, Hombegowda G.P., Meenaxi, Pallavi Bhatambre and Karthikeyan A.</i>	