

# THE HARYANA VETERINARIAN

Vol. 62(1)

(Abbreviation: Haryana Vet.)

June, 2023

## CONTENTS

Pages

### A. Research Articles

Effect of fenugreek (*Methi*) supplementation on milk production, milk composition and haemato-biochemical parameters in Murrah buffaloes

Akriti Sarowa, S.K. Chhikara, S. Sahu, Dipin Chander Yadav, Amandeep, Ravi Ghotar and Komal 1-4

*In vitro* antimicrobial activity of piperine against multi-drug resistant *Salmonella* spp.

Varsha Unni, Padikkamannil Abishad, Sanis Juliet I, Lijo John, Prejit Nambiar, C. Latha, V.K. Vindo, K. Asha, Jess Vergis, Nitin Vasant Rao Kurkure, Sukhadeo Baliram Barbuddhe and Deepak Bhiwa Rawool 5-7

Prevalence and haemato-biochemical changes in different pulmonary affections in goats of baghelkhand region of Madhya Pradesh

Jitendra Kumar, Shailendra Singh, T.J. Sheikh, Swatantra Singh, Anil Kumar Singh, Dharmendra Kumar, Neeraj Singh Baghel, Pooja Dixit, Kanchan K. Walwadker and Neeraj Shrivastava 8-12

Antibiotic susceptibility pattern of *Escherichia coli* isolated from bovine subclinical mastitic milk

Vipin Chand Bairwa, Abhishek Gaurav, Deepak Kumar Sharma, Dinesh M. Chavhan and Manisha Doot 13-15

Optimization of cooking time of chicken meat loaf prepared with steam cooking without pressure

Sanjay Singh, Vikas Pathak, Meena Goswami and Renu Kumari 16-18

Standardization of pentaplex PCR for rapid diagnosis of avian pathogenic *Escherichia coli* infection

Kushal Grakh, Dinesh Mittal, Anand Prakash, Ramesh Kumar and Manesh Kumar 19-22

Effect of different seasons on serum minerals in Sirohi goat

Dinesh Maruti, Pavan Kumar Mittal, G.S. Gottam, Barkha Gupta and D.R. Bilochi 23-25

Matrix assisted laser desorption ionization time of flight mass spectrometry (MALDI TOF MS) for strain of pathogenic *E. coli* from fresh meats

Rahul Suryawanshi, Ashok Bhosale, Onkar Deshmukh, Ajay Babar, Onkar Shinde and Aishwarya Jogdand 26-29

Knowledge, attitude and practices towards rabies: A questionnaire based study

Davinder Singh, Sujoy Khanna, Jyoti Shunthwal and G.R. Gowane 30-34

Association of electric conductivity, milk pH and milk constituents with udder health in Zebu cattle

Navav Singh, Sanjita Sharma, G.S. Dhakad, Monika Karnani and S.K. RAO 35-37

Gross morphological, cytopathological and histopathological studies on intestinal coccidiosis in goat

S. Meena, R. Dadhich, S. Sharma, D.S. Meena, S. Saini, S.K. Sharma and A. Rathore 38-41

Occurrence of extended spectrum beta-lactamase producing *Escherichia coli* and *Salmonella* spp. in houseflies infesting farm and non-farm premises in Wayanad, Kerala, India

Manoj, M. Prejit, Jess Vergis, Vinod, V.K., Asha, K. and Vibha Yadav 42-45

Determination of *in-vitro* growth inhibition efficacy of different *Artemisia scoparia* extracts in MASP culture system against *Theileria equi*

Kapil Kumar Gupta, Lalita Singh, N. Saxena, S. Dey, Rajender Kumar, Yash Pal and Sanjay Kumar 46-49

Comparative evaluation of fluorescence polarization assay with various serological tests in the diagnosis of bovine brucellosis

Naveenkumar Viswanathan, Mangalanathan Vijaya Bharathi, Porteen Kannan and Dinesh Mittal 50-53

Genetic parameters of production performance traits in Murrah buffaloes

Smriti Sharma, S.S. Dhaka, C.S. Patil, A.S. Yadav and S. Sahu 54-59

Occurrence of various pathological conditions in lungs of pig

Seema Meena, Ramhari Meena, Manisha Mehra and Manisha Mathur 60-63

Information source utilization by veterinarians with special reference to ICT tools

Pratiksha Panda, Rupasi Tiwari, Maina Kumari, Kaushlendra Singh and Triveni Dutt 64-67

Histochemical and histoenzymic studies on lingual tonsil of goat

Devendra Saran, Opinder Singh and Devendra Pathak 68-72

Effect of feeding treated rice straw on nutrient utilization growth performance and blood parameters in buffalo calves

Sushil Kumar, Zile Singh Sihag, Vivek Saharan and Sajjan Sihag 73-77

Assessment of oxidative stress in dystocia affected does

Man Singh, B.N. Suthar, H.C. Nakhashi, T.V. Sutaria and P.M. Chauhan 78-80

Surgical management of obstructive urolithiasis using silver coated foley's catheter and latex coated foley's catheter in male buffalo calves

Dishant Saini, Deepak Kumar Tiwari, Ashok Kumar, Neeraj Arora, Gaurav Kumar, Satbir Sharma and Sandeep Kumar 81-85

Histomorphology of bicep femoris muscle in chabro chicken

Yogita Pandey, Archana Pathak, M.M. Farooqui, Ajay Prakash, A. Pandey, Abhinov Verma, S.P. Singh and Versha Gupta 86-89

Donor age and its relationship with semen quality in goats Amit Sharma and Pankaj Sood	90-93
Study on hemato-biochemical parameters of chicken broilers on supplementation of sodium sulphate and fish oil as dietary substitute to fish meal Amandeep, D.S. Bidhan, S. Sahu, D.C. Yadav, Komal and Ravinder Saini	94--96
Comparative study on growth performance and carcass characteristics of Kadaknath with commercial chicken broiler Mukesh Malik, Devender Singh Bidhan and Ravi Kumar	97-100
<i>In-vitro</i> evaluation of antibacterial and antioxidant activity of essential oils from oregano ( <i>Origanum vulgare</i> ) and lime ( <i>Citrus aurantifolia</i> ) Dinesh Kumar, Nitin Mehta, Harsh Panwar, Manish Kumar Chatli and Om Prakash Malav	101-105
Blood biochemical profile of asian elephant ( <i>Elephas maximus</i> ) in captive state Ayush Ranjan, Komal, Anil Gattani and Ajeet Kumar	106-108
Ameliorative effect of <i>Prosopis cineraria</i> extract on gross, histopathological and oxidative stress parameters against <i>Parthenium hysterophorus</i> induced liver damage in wistar albino rats Anita Rathore, Rohitash Dadhich, Anirudh Khatri, Sarjna Meena and Hakim Manzer Alam	109-113
Enzyme histochemistry of mammary gland of goat during postnatal development Vipul Kumar, Neelam Bansal, Varinder Uppal and Anuradha Gupta	114-117
Microanatomical observations on the forestomach of sambar deer N. Sivasubramani, S. Rajathi, S. Muthukrishnan and S. Manoharan	118-122
Antibacterial efficacy of Cecropin A (1-7)-Melittin antimicrobial peptide against multi-drug resistant <i>Salmonella</i> Typhimurium D.P. Gourkhede, M.A.D. Nishanth, V.P. Ram, J. Yasur, N. Pollumahanti, S.B. Barbuddhe and D.B. Rawool	123-127
Effect of non-genetic factors on semen characteristics of sahiwal and holstein crossbred bulls in a subtropical environment S.K. Meena, P.C. Sharma, S. Saini, M.K. Gahan, P. Swami, K.K. Bhat, P. Chayal, M. Chandel and A. Kumari	128-132
Acute oral toxicity study of quinalphos in male swiss albino mice Preeti Singh, Vinod Kumar, Preeti Bagri, Deepika Lather and Vinay Kant	133-137
<i>In vitro</i> antibacterial activity of aqueous and hydro-alcoholic extracts of fruits of <i>Phyllanthus emblica</i> against bacterial isolates obtained from subclinical mastitis affected cattle S. Gautam, S.R. Gupta, A.P. Singh, J.P. Kachhawa and S. Chaudhary	138-140

## B. Short Communication

Critical analysis on productive and reproductive efficiency of Udgiri goat ( <i>Capra hircus</i> ) raised under traditional management practices in India V.B. Dongre, S.G. Raut and R.R. Mugale	141-142
Gross morphological and biometrical studies on lactating and non-lactating mammary glands in buffalo Samikshya Sarangi, Neelam Bansal and Devendra Pathak	143-146
The effect of temperature on clearing of tissues with natural alternatives to xylene in tissue processing Poonam, M. Kumari, A. Rathore, R. Singathia, K. Purohit, G. Singh, A. Saini, Gunjan and Rashmi	147-150
A study on socio-personal characteristics of veterinary officers in Rajasthan state Suman Meena, Vikas Kumar Meena, Tikam C. Goyal, Pushpa, Hemant Kumar Jediya and Ravta Ram	151-154
Effect of supplementation of <i>Moringa oliefera</i> leaf meal and <i>Tinospora cordifolia</i> powder on performance of broiler chicken S.B. Nagargoje, S.M. Bhalarao, A.V. Khanvilkar, A.S. Kadam, G.S. Sonawane, A.K. Barate, Javed Ashar and B.C. Andhale	155-157

## C. Clinical Articles

Management of dystocia due to <i>Schistosoma reflexus</i> monster in beetal goat - A case report Deepak, Hanuman Prasad Yadav, Sandeep and Umed Singh	158-159
Rectal adenocarcinoma in dogs: Clinicopathological and hemato-biochemical study Sheetal Dogra, Swaran Singh Randhawa, Kuldip Gupta and Arun Anand	160-165
Generalised ocular and cutaneous manifestation of transmissible venereal tumor in dogs—A report of three cases P. Sankar, G.K. Sibiya, S. Kathirvel and S. Dharmaceelan	166-167
Surgical management of urinary bladder diverticulum in a dog Manoj Kumar Ahirwar, V.P. Chandpuria, Shivangi Udainiya and Alka Suman	168-169
Enlarged clitoris in a beetal goat <i>vis-a-vis</i> pseudo hermaphroditism Ankit Ahuja, Tyson, Amit Sharma, Pankaj Sood and Vasu Sharma	170-171
Successful non-surgical removal of cloth as an oesophageal foreign body from a buffalo calf Dinesh, R.N. Chaudhary, Ram Niwas, Robin and Sandeep Kumar	172-173
A rare case of congenital haemangiosarcoma in a still born calf P. Sankar, A. Arulmozhi, R. Ezakial Nepolean and G.A. Balasubramaniam	174-175