**CONTENTS**

**Editorial** ........................ 7

**General articles:**

Differentiation of *Leptospira* by Low Stringency PCR  
*A. Dhannia, V. Jayaprakasan, M. Mini, G. Krishnan Nair and Sisilamma George*  ........................................ 9

Detection of Classical Swine Fever Virus Antigen in Tissue Samples by AGPT  
*S. Nandi, Manoj Kumar and Manish Manohar*  ........................................ 10

Hand-made Cloning for the Production of Cloned Goat (*Capra hircus*) embryos  
*Yogesh S. Akshey, Drubha Malakar, Arun Kumar De, Rahul Dutta, Majoj Kumar Jena and Shweta Garg*  ........................................ 12

Cytokine Profile of Mice Immunized with 28kDa Outer Membrane Protein of *Brucella melitensis*  
*P. Kaushik and D.K. Singh*  ........................................ 15

Effect of Cysteamine Supplementation in SOF Medium on *in vitro* Culture of Buffalo Embryos  
*R. Lilly Indira, A. Palanisamy, T.V. Meenambigai, V. Ramaswami, K. Brindha and K. Kumanan*  ........................................ 17

Detection of Shiga Toxigenic *Escherichia Coli* by PCR  
*Ch. Bindu Kiranmayi and N. Krishnaiah*  ........................................ 19

Detection of *Salmonella* in Seafood with BAX® – PCR  
*Sujit Kumar Nayak, K. Pani Prasad, P. Srinivasa Rao and Sunil Kumar Nayak*  ........................................ 21

Immunocompetence Profile of Aseel Breed of Chicken  
*Rajesh Kumar and Sanjeev Kumar*  ........................................ 23

Factors Affecting the Gestation Length in Rabbits  
*P.M. Rojan and K.A. Bindu*  ........................................ 25

Therapeutic Efficacy of Ceftriaxone and Tolfenamic Acid in Bovine Mastitis  
*S. Roy, M. Roy and P. Vishwakarma*  ........................................ 27

*In Vitro* Sensitivity of Some Antifungals Against *M. Pachydermatis*  
*P. Kumar, P. Sahoo and N. Sahoo*  ........................................ 29

Medetomidine Hydrochloride Administration in Neonate Calves  
*Jagmohan Singh, A.C. Varshney, S.K. Sharma, Adarsh Kumar and Amit Kumar*  ........................................ 31

Biochemical Profile and Enzymatic Activity in Seminal Plasma of Fresh Semen of Hampshire and Crossbred (Hampshire x Khasi local) Boars  
*M.H. Khan, K.C. Nath, S. Naskar, R.K. Bardoloi, Suresh Kumar and G. Khargaria*  ........................................ 33

Molecular Variability of IGF-1 Gene in Colored Broilers  
*Nitin Kumar Pandey, R.K. Sharma, D. Kumar and V.K. Saxena*  ........................................ 34

Simple Tandem Repeats Based Evaluation of Bhutia Ponies for Genetic Bottleneck  
*R. Behl, J. Behl and N. Gupta*  ........................................ 36

Organo-chlorine Pesticide Residues in Feedstuffs  
*S.B.N. Rao, D. Dineshkumar, K. Giridhar, A.V. Elangovan and K.T. Sampath*  ........................................ 38

Quality Attributes of Yak Milk Paneer  
*G. Kandeepan, S. Sangma, G. Krishnan and V.S. Chouhan*  ........................................ 40

---

The Indian Veterinary Journal (August, 2011)
Acute Renal Failure in Dogs
Mritunjay Kumar, S. Haque and D.K. Jha

Management of Domestic Dogs in Kerala
G. Ajitkumar and K.N. Aravinda Ghosh

Histological and Histochemical Studies on the Glands of Skin of Madras Red Sheep
Mir Shabir Ahmad, O.R. Sathyamoorthy, Geetha Ramesh and Sabiha H. Basha

Economic Losses Due to Ketosis in Dairy Farms
M. Thirunavukkarasu, G. Kathiravan, B. Suresh Subramonian, A. Kalaikkannan and W. Jebarani

Body Weights and Growth Rates of Holstein-Friesian Crossbred Heifers
Produced from Different Countries
Simarjeet Kaur and O.S. Parmar

Factors Influencing Ketosis in Dairy Farms
M. Thirunavukkarasu, G. Kathiravan, A. Kalaikkannan and W. Jebarani

Detection of Mutation in CYP1B1 Gene in Cyprinus Carpio
Khitam Jassim Al-Karishy and Faizah Abdul Wahaab Ahmmed

Polymorphism of Leptin Gene in Murrah Buffalo
B.S. Kale and B.R. Yadav

Characterization and Assessment of In Vitro Lytic Activity of Staphylococcus aureus Phage Sa4
Anil Kumar Mishra, Mayank Rawat and Abhishek

Utilisation of Brewer’s Dried Grain in White Leghorn Chick and Grower Feeding
S.T. Selvan and V. Balakrishnan

Haematobiochemical Profile of cryptosporidiosis in Bovine Calves
B.D. Sahu and S.K. Maiti

Sarcocystosis in an Organized farm
K.M. Palanivel, P. Muthusamy, K. Sureshkumar and P. Kumarasamy

Lymphatic Filariosis in Dogs
V.R. Ambily, Usha Narayana Pillai, P.P. Kanaran

Biochemical Parameters of Deccani Sheep during Summer
S.S. Kulkarni, N.Z. Gaikwad and S.T. Bapat

Mineral Status of Blood and Semen of Dromedary Camels
Gorakh Mal, Sumant Vyas, Nirmala Saini, D. Suchitra Sena, Nand Kishore and N.V. Patil

Clinico-Haematological Profile and Therapeutic Management of Impactive Colic in Horses

Evaluation of Growth and Performance of Japanese quail (Coturnix coturnix japonica)
under Feed Restriction
R. Buragohain and G. Kalita

Therapeutic Management of Nutritional Secondary Hyperparathyroidism in Growing Dogs
R.B. Kushwaha, H.P. Aithal, Amarpal, P. Kinjavdekar, A.M. Pawde, G.R. Singh, V.P. Varshney and H.C. Setia

Estrus induction in Bitches Using Diethylstilbestrol
B. Bibin Becha and K.N. Aravinda Ghosh

Gross and Histomorphological Studies on Anoplocephaline cestodiasis in Sheep
M. Shahnawaz, R.A. Shahhardar, M.S. Mir, Z.A. Wani and S.A. Shah

Effect of Polyherbal Dietary Supplementation on Egg Yolk Lipid in Poultry
A. Hebbab, B.S. Gehlaut, M.A. Quadri and J.K. Bhardwaj

Clinico-pathological Changes in Induced Arsenic toxicity in Goats
M. Roy and S. Roy

The Indian Veterinary Journal (August, 2011)
Effect of Dietary Organic Acids on the Performance of Layer Khaki Campbell Ducks
S. Koley and G. Samanta

Incidence of helminthic Infection in Goats
M.K. Shrivastava, M.M. Prakash, Hemant Mehta and S. Gaherwal

Performance of Lambs on Grain-less Ration with Mulberry Leaves
H.A. Ahmed, A.M. Ganai, F.A. Matoo, F.I. Shad, S. Bilal and D. Medhi

Gross Morphological and Biometrical Studies of Epididymis in Buffalo Foetii
Anil Sharma, Neelam Bansal and Varinder Uppal

Pathology of Paucibacillary Paratuberculosis (Subclinical Johne's Disease) in Goats
S. Sivaseelan, P. Srivinasan, P. Balachandran, S. Vijayakumar and K. Poomathi

Clinical articles:

Diabetes Mellitus in a Non-Descript Bullock
V.D. Muley, S.U. Digraskar, M.P. Sakhare, B.J. Rakha and P.V. Yeotikar

Ossifying Fibroma on the Fore Head of a Bullock
N.V.V. Hari Krishna, Makkena Sreenu, V.S.C. Bose and V.Devi Prasad

Intestinal Obstruction by Foreign Bodies in a Dog
Makkena Sreenu, N.V.V. Hari Krishna, P. Bhanu Babu and R. Mahesh

Clinical Management of Cystitis in a Stallion
V.S. Dabas and C.F. Chaudhari

Foetal Maceration in a Cow
K. Mouli Krishna and B. Sambasiva Rao

Monsterosity in a Non-descript Cow

Rupture of Aortic Aneurism caused by Spirocerca lupi in a Dog
P. Thiruselvame

Epistaxis in a Dog Infected with Babesia gibsoni
N. Rani, G. Ponnudurai, T.J. Harikrishnan and E. Venkatesh Kumar

Cutaneous Histoplasmosis in a Mare

Asthenozoospermia in a Crossbred Bull

Short Communications:

Immunomodulatory Effect of Cow’s Urine in Experimental Rats
Amita Gupta, Sanjiv Kumar and Pawanjeet Singh

Protection of Sardine Oil Against Rumen Microbial Degradation
K. Ambasankar and V. Balakrishnan

Efficacy of Piperazine and Fenbendazole Against Ascaridia Galli Infection in Quails
S.K. Baitha, Abhishek Kumar, Mritunjay Kumar and S.R.P. Sinha

Electrocardiographic and Echocardiographic Changes Associated with Dilated Cardiomyopathy in Dogs
Anju Eliz Ben, Usha N. Pillai, S. Ajith Kumar, K.D. John Martin and P.C. Alex

Effect of Vitrification on mRNA Concentration of In Vitro Matured Buffalo Oocytes
Ashish Mishra and G. Tara Sharma
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance of CARI-Nirbhik Strain of Layer Under Backyard Poultry System</td>
<td>Safeer Alam, Gurjeet Kaur, Naushad Alam and P.K. Singh</td>
<td>128</td>
</tr>
<tr>
<td>Production Potential of Fodder Maize as Intercrop with Cashew</td>
<td>P.K. Naik, E.B. Chakurkar, B.L. Manjunath, B.K. Swain and N.P. Singh</td>
<td>130</td>
</tr>
<tr>
<td>Effect of Comb Type on Semen Quality Traits in PD-2 line</td>
<td>M. Shanmugam, M. Niranjan, and T.K. Battacharya</td>
<td>131</td>
</tr>
<tr>
<td>Histology and Histochemistry of the Preen Gland in Guinea Fowl (Numida mealagris)</td>
<td>S. Ushakumary, S. Venkatesan, Sabiha Hayath Basha, S. Senthamil Selvan and Geetha Ramesh</td>
<td>132</td>
</tr>
<tr>
<td>An Outbreak of Infectious Laryngotracheitis in Layer Chickens in Libya</td>
<td>A.A. Asheg, O.A. Tarhuni, S.O. Al-Garib., M.A. Hamid and A.M. Kammon</td>
<td>135</td>
</tr>
<tr>
<td>Histopathological Studies on Vitamin D, Toxicity in Rats</td>
<td>S.G. Chavhan, R.S. Brar, H.S. Banga, S. Sodhi, P.D. Gandhave and V.R. Kothule</td>
<td>136</td>
</tr>
<tr>
<td>Production Performance of Vanaraja Birds in Nagaland</td>
<td>R. Zuyie, V.B. Sharma, K.M. Bujarbaruah and V.K. Vidyarthi</td>
<td>138</td>
</tr>
<tr>
<td>Bovine Leptospirosis in Andhra Pradesh</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>In Vitro</em> Maturation of Sheep Oocytes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Formulation of Concentrate Jaggery Scum Feed Blocks for Pigs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trace Element Levels in the Serum of Camels (Camelus Dromedarius)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hypersensitivity Dermatitis in a Mare due to Culicoides Bite</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Efficacy of Herbal Coccidiostat against Mixed <em>Eimeria</em> infection in Broilers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chromium Picolinate Supplementation in Guinea fowl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Effect of Early Weaning on Serum Tri-iodothyronine and Thyroxine in Male Growing Pigs</td>
<td>Ruprekha gogoi, B.K. Sarmah, B.C. Sarmah, B.C. Deka and D. Kalita</td>
<td>158</td>
</tr>
<tr>
<td>Effect of Meloxicam on Urinary Excretion of Ceftriaxone in Sheep</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-antibiotic Therapies Against Caprine Subclinical Mastitis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-antibiotic Therapies Against Caprine Subclinical Mastitis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indian Veterinary Association News</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Back</td>
<td></td>
<td>171</td>
</tr>
</tbody>
</table>

**Author and Subject Index for August, 2011**

The Indian Veterinary Journal (August, 2011)