

THE INDIAN JOURNAL OF SMALL RUMINANTS

Vol. 16(1)

April, 2010

Contents

1	Feeding strategies to reduce enteric methane production in ruminants: A review <i>R.C. Jakhmola, Taruna Pahuja and S.K.S.Raghuvansi</i>	1
2	Sheep and goat nutrition: Newer concepts and emerging challenges <i>A. Sahoo and S.A. Karim</i>	18
3	Effect of mulberry (<i>Morus alba</i>) and robinia (<i>Robinia psuedocacia</i>) leaves feeding on the production performance of Angora rabbits <i>R.S. Bhatt, Davendra Kumar and S.R. Sharma</i>	29
4	Testicular development of Malpura ram lambs under extensive and intensive feeding regimen <i>S. M. K. Naqvi, Davendra Kumar and S. R. Pareek</i>	34
5	Performance, rumen fermentation pattern and blood biochemical characteristics of pregnant ewes grazing on semi-arid pastures during winter season <i>S. K. Sankhyan, N. M Soren, R. S. Bhatt, A. K. Shinde and S. A. Karim</i>	39
6	Nutritional interventions in improvement of rabbit meat quality: An overview <i>S. Wilfred Ruban, S. Sureshkumar, V. Appa Rao and A. Kalaikannan</i>	45
7	Biochemical profile of Nellore sheep on feeding of azolla and sheanut cake under different management systems <i>Y. Ravindra Reddy, K. Sarjan Rao, K. Sudhakar, D. Ramesh Gupta and M. Gnana Prakash</i>	54
8	Growth and carcass traits of Sirohi goats under different managemental conditions <i>S. Sureshkumar, G. R. Gowane, Ashish Chopra and A. K. Shinde</i>	58
9	Molecular characterization of shiga toxicogenic <i>Escherichia coli</i> isolates from sheep <i>Latima Sharma, Sahil, Rajesh Chhabra and A.K. Taku</i>	62
10	Evaluation of 'blood PCR' with blood culture, ELISA and microscopic examination for the diagnosis of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection in goat kids <i>S.V. Singh, P.K. Singh, H. Kumar, J.S. Sohal, A.V. Singh</i>	67
11	Epizootiology of gastrointestinal helminths in sheep and goats of Tamil Nadu <i>M.Raman, R.Selva Bharathi, S.Abdul Basith and Lalitha John</i>	74
12	Impact of gastrointestinal nematodosis on serum biochemical profiles in Garole sheep <i>S. Pandit, R. Jas, J. D. Ghosh and S. Moi</i>	79
13	Utilization of ailanthus (<i>Ailanthus altissima</i>) leaves in sheep feeding <i>A.M. Ganai, S. Bilal and J.I.A. Bhat</i>	83
14	Performance evaluation of sheep in farmers' flock of eastern semi-arid region of Rajasthan <i>G. R. Gowane and A. L. Arora</i>	87
15	Socio-economic status of goat keepers in south Gujarat region <i>S. B. Deshpande, G. P. Sabapara and V. B. Kharadi</i>	92

Short communications

16	Effect of concentrate supplementation to ewes grazing on community rangeland during late gestation and early lactation <i>O. H. Chaturvedi, J. S. Mann and S. A. Karim</i>	97
----	--	----

17	Influence of rice bran oil as defaunating agent on the performance of Mecheri ram lambs <i>S. Jayachandran, J. Muralidharan, P. Selvaraj, P. Visha and K. Nanjappan.....</i>	101
18	Nutritional status of forage production through alternate land use system of agroforestry in semi-arid region of Rajasthan <i>J.S. Mann, S.C. Sharma and Roop Chand.....</i>	105
19	Effect of concentrate and mineral mixture supplementation on growth performance of growing goats <i>C.M. Yadav, P. M. Khan, P. Panwar, K.L. Jeenagar , S.S. Lakhawat and K.C. Nagar.....</i>	109
20	Estrus induction in acyclic ewes under field conditions of semi-arid region of Rajasthan <i>S. Saha, Davendra Kumar, S.M.K. Naqvi and J.S. Mann.....</i>	111
21	Evaluation of suitable agroforestry system for quality forage in semi-arid regions <i>S.C. Sharma, J.S. Mann and H.S. Jat.....</i>	113
22	Non - Genetic factors affecting annual wool yield in German Angora rabbit <i>R. Chandra, H.D. Karmakar and D. De</i>	117
23	Feed resource availability and growth performance of Sonadi sheep in their native tract <i>S. P. Tailor and C.M. Yadav.....</i>	120
24	Distribution and characterization of Kilakarsal (Keezhakaraaisal) sheep <i>T. Ravimurugan, P. Devendran and B.K. Joshi.....</i>	122
25	Goat husbandry technology and communication <i>Braj Mohan and R.L. Sagar.....</i>	125
26	Growth performance of Sirohi kids under farmer's flock <i>M.C Sharma, O.P Pathodiya and S.P Tailor.....</i>	127
27	Evaluation of antigenic cross - reactivity amongst strongylid nematodes using enzyme linked immuno sorbent assay <i>S. Arunkumar and A. Sangaran.....</i>	131
28	Influence of gastrointestinal parasites on certain blood components of sheep <i>Vijay Pandey, Aditi, J.K. Khajuriya, J.S. Soodan, Neelesh Sharma, S.R. Upadhyaya and Rajesh Katoch.....</i>	134
29	Effect of induced hypothyroidism on thyroid hormone profile in Marwari rams under hot arid region of Rajasthan <i>Barkha Gupta, Anil Moolchandani and Meenaxi Sareen.....</i>	137
30	Incomplete cervical dilation associated with simultaneous presentation of twins with postural defects in a doe <i>G.K. Das, T. Ladol, Rubina Baithalu, Firdous A. Khan, Irfan Wani, D. Gogoi, S. Deori and Uma shanker</i>	141
31	Pseudopregnancy in a goat: A case report <i>S. Deori, Firdous A. Khan, G. K. Das and Uma Shanker.....</i>	143
32	Clinico-therapeutic management of gangrenous mastitis in ovines <i>N.A. Tufani, A. Hafiz, F.U. Peer, D.M. Makhdoomi and S.D. Qureshi.....</i>	145
33	Reproductive performance and disease prevalence in Ganjam sheep of Orissa <i>S. Nayak, A.K. Mohapatra and N. Barik.....</i>	148
	Author index.....	(i)
	Subject index.....	(ii)
	Instructions authors.....	for (iii)
	Budget.....	(vii)