

PUBLICATIONS

NICRA-CSWRI, AVIKANAGAR

A. Research papers

1. Chaturvedi, OH, Bhatt RS, Sahoo A. 2014. Nutrient utilization in grazing ewes supplemented with complete feed blocks during scarcity in semi-arid region. **Indian Journal of Small Ruminants**, 20, 114-117.
2. De Kalyan, Kumar D., Singh A.K., Sahoo A., Naqvi S.M.K. 2013. Seasonal variation of physiological response in ewes of farmers flock under semi-arid tropical environment, **Biological Rhythm Research**, 45, 397-405.
3. De Kalyan, Kumar Davendra, Kumar Kamal, Sahoo A. Naqvi, SMK. 2015. Effect of different types of housing on behavior of Malpura lambs during winter in semi-arid tropical environment. **Journal of Veterinary Behavior**, 10, 237-242.
4. De, K., Kumar, D., Singh, A.K., Kumar, K., Sahoo, A., Naqvi, S.M.K., 2015. Resilience of Malpura ewes on water restriction and rehydration during summer under semi-arid tropical climatic conditions. **Small Ruminant Research**, 133: 123-127.
5. Kumar, D., De, K., Singh, A.K., Kumar, K., Sahoo, A. and Naqvi, S.M.K. 2015. Effect of water restriction on physiological responses and certain reproductive traits of Malpura ewes in semi-arid tropical environment. **Journal of Veterinary Behavior: Clinical Applications and Research**. [doi:10.1016/j.jveb.2015.11.006](https://doi.org/10.1016/j.jveb.2015.11.006).
6. Sejian, V, Naqvi, S.M.K., Sahoo, A. 2013. Effect of mineral mixture and antioxidant supplementation on growth, reproductive performance and adaptive capability of Malpura ewes subjected to heat stress. **Journal of Animal Nutrition and Animal Physiology**, 98, 72-83.

B. Books/Bulletins

1. Sahoo A, Ror D, Naqvi SMK. 2013. Climate Resilient Small Ruminant Production. NICRA Publication, CSWRI, Avikanagar. Pp 1-106.

C. Book Chapters

1. Sahoo, A., Sankhyan, S.K. and Sharma, S.C. 2015. Pasture in small ruminant production: issues and solutions. In: Eco-responsive Feeding and Nutrition- Linking Livestock and Livelihood (eds. A.K. Pattanaik, A.K. Verma, S.E. Jadhav, N. Dutta, B.N. Saikia). ANA, Bareilly, India. pp17-27.

D. Scientific/Teaching Reviews/Lead Paper

1. Sahoo, A. 2013. Nutritional issues in grazing and migratory sheep and goats. Centre of Advanced Faculty Training in Animal Nutrition is organizing an advanced Short Course on "Clinical Nutrition Approaches for Health and Productivity of Farm Animals", February 06-26, 2013, IVRI, Izatnagar. pp 174-181.
2. Naqvi S.M.K., Davendra Kumar and Sahoo A. 2013. Strategies for sustainable small ruminant production in arid regions under changing climate. In: Proc. Workshop on "Strategies for sustainable small ruminant production in arid regions under changing climate", 14-15, March, 2013, CAZRI, Jodhpur.
3. Sahoo, A., Sankhyan, S.K. and Sharma, S.C. 2015c. Pasture in small ruminant production: issues and solutions. In: Eco-responsive Feeding and Nutrition: Linking Livestock and Livelihood, Pattanaik, A.K., Verma, A.K., Jadhav, S.E., Dutta N. and Saikia, B.N. (Eds). Thematic Papers, Proceedings of 9th Biennial Animal Nutrition Association Conference, January 22-24, 2015. Guwahati, India. Pp 17-27.
4. Sahoo, A. and Tripathi, M.K. 2014. Feed resource management to maximize nutrient input for economic small ruminant production. In: Proceeding ISSGPU National Seminar on "Prospects and

Challenges in Small Ruminant Production in India”, December 11-12, 2014. Sheep Breeding Research Station (TANUVAS), Sandynallah, Nilgiris Ooty, India.

E. Technical/Popular Articles

1. Meena, M.C., Chaturvedi, O.H., Sahoo, A., Bhatt, R.S. Sankhyan, S.K. 2015. सम्पूर्ण आहार वटिका की उपयोगिता. Kheti Patrika, 66: 13 – 14
2. Sahoo, A., Chaturvedi, O.H., Meena, M.C. and Naqvi, S.M.K. “वर्षाकालीन शाकीय – जड़ी बूटियों का पशुओं के चारे में उपयोग” (July-2015) (Kheti Patrika ICAR-2015), volume 67 (4) :35 - 38 CSWRI, Avikanagar
3. Chaturvedi O.H., Sankhyan S. K., Meena M. C., Sahoo A. and Karim S. A., 2011. Shushk Kshetra Men Bhed –Bakari Palakon Dwara Apaniai Ja Rahi Paramparik Khilai-Pilai Paddhatiyon Ka Vaiganik Adhar. Avipunj (Ashtam Anka). 2011. Editors: O.H. Chaturvedi, L.R. Meena, Arun Kumar and Murari Lal Gupta. Published By CSWRI, Avikanagar. Pp.1-2.
4. Chaturvedi O.H. and Sahoo A. 2011. Chare Ki Kutti Karan, Sampoon Ahar Vattika Banana Evam Bhoose Ka Urea Shira Evam Khanij Mlshran Se Paripooran. Avipunj (Ashtam Anka). 2011. Editors: O. H. Chaturvedi, L. R. Meena, Arun Kumar and Murari Lal Gupta. Published By CSWRI, Avikanagar. Pp.7-9.
5. Meena M.C., Chaturvedi O.H., Sahoo A. and Karim S.A. 2011. Shushk Kshetron men Chara Utpadan. Kheti 64 (6): 22-23.
6. Meena, M.C., Chaturvedi, O.H., Sahoo, A., Bhatt, R.S. Sankhyan, S.K. 2015. सम्पूर्ण आहार वटिका की उपयोगिता. Kheti Patrika, 66: 13–14
7. Meena, M.C., Sahoo, A., Chaturvedi, O.H., Sharma, S.C., Naqvi, S.M.K., 2014. वर्षाकालीन शाकीय – जड़ी बूटियों का पशुओं के चारे में उपयोग. Division of Animal Nutrition, CSWRI, Avikanagar.
8. Meena, M.C., Sahoo, A., Chaturvedi, O.H., Sharma, R.B., Naqvi, S.M.K. 2014. Monsoon herbage and weeds could be an answer to feed scarcity. Division of Animal Nutrition, CSWRI, Avikanagar.
9. Meena, M.C., Chaturvedi O.H., Sahoo, A., Bhatt, R.S. 2014. शुष्क एवं पर्वतीय क्षेत्रों में पशुधन के लिए बहुउद्देशीय वृक्षों से चारा उत्पादन. Kheti Patrika, 66, 37 – 40.

F. Folders:

1. Chaturvedi, O.H., Sahoo, A., Bhatt, R.S., Sankhyan, S.K., Shinde A.K. and Meena, M.C. 2013. Akal Men Pashudhan Ka Bharan Poshan. Published By NICRA, CSWRI, Avikanagar.
2. Sahoo, A. Chaturvedi, O.H., Sharma, S.C., Meena, M.C., Naqvi, S.M.K. 2014. “वर्षाकालीन शाकीय – जड़ी बूटियों का पशुओं के चारे में उपयोग” Published By NICRA, CSWRI, Avikanagar
3. Sahoo, A. Chaturvedi, O.H., Sharma, R.B., Meena, M.C., Naqvi, S.M.K. 2014. “Monsoon herbage and weeds: Could be an answer to feed scarcity” Published By NICRA, CSWRI, Avikanagar
4. Sharma, S.C., Sahoo, A. and Naqvi, S.M.K. 2015. *Plastic Bag Main Silage Banaine*. ICAR-CSWRI, Avikanagar, India.

G. Abstract papers

1. Chaturvedi O.H., Meena M.C., Sankhyan S.K., Sahoo A. 2015. Benefits of concentrate supplementation to ewes grazing on rangeland during late gestation and early lactation. In: Proceeding 9th Biennial ANACON-2015 on “Eco-responsive Feeding and Nutrition Linking Livestock and Livelihood”, January 22– 24, 2015, College of Veterinary Science, AAU, Guwahati, India. Pp 88.
2. Chaturvedi OH, Sahoo A. 2013. Plane of nutrition in grazing ewes supplemented with complete feed blocks during scarcity in semi-arid region. II National IAVNAW Conference, September 19-21, 2013, SKUA&T, Jammu. p.77.
3. Chaturvedi, O. H. and Sahoo, A. 2013. Opuntia (prickly pear cactus) feeding in sheep to evaluate water and nutrient metabolism during summer. In Souvenir Cum Compendium of Interactive

Meeting on Prospects in Improving Production, Marketing and Value Addition of Carpet Wool. December 31, ARC (CSWRI) Bikaner, India. pp. 58.

4. Chaturvedi, O. H., Meena, M. C. and Sahoo, A. 2014. Benefits of concentrate supplementation to ewes grazing on community rangeland during late gestation and early lactation. In Abstracts and Souvenir of National Seminar on Sheep and Goat Biodiversity and Breeding Policies- Issues and Perspective and Annual Conference of ISSGPU. February 21-22, 2014 Mahabaleshwar Krantisingh Nana Patil College of Veterinary Science (MAFSU, Nagpur), Shirwal, Satara, Maharashtra. pp. 203.
5. Chaturvedi, O. H., Meena, M. C. and Sahoo, A. 2014. Benefits of concentrate supplementation to ewes grazing on community rangeland during late gestation and early lactation. In Abstracts and Souvenir of National Seminar on Sheep and Goat Biodiversity and Breeding Policies- Issues and Perspective and Annual Conference of ISSGPU. February 21- 22, 2014 Mahabaleshwar Krantisingh Nana Patil College of Veterinary Science (MAFSU, Nagpur), Shirwal, Satara, Maharashtra. pp. 203.
6. De K., Kumar D., Singh A.K., Sahoo, A. and Naqvi, S.M.K. 2014. Effect of microenvironment manipulation on physiological response, blood biochemical, behaviour and growth of Malpura lambs during winter in semi-arid tropical condition. In: XXI Annual convention of Indian Society of Animal Production and Management and national seminar on “New Dimensional Approaches for Livestock Production and management, January 28-30, 2014, pp 20.
7. De Kalyan, Kumar D., Kumar K., Sahoo A., Naqvi S.M.K. 2013. Effect of housing on behaviour of Malpura lambs during winter in semi-arid tropical condition. II National IAVNAW Conference, September 19-21, 2013, SKUAST, Jammu. p104.
8. De, K., Kumar, D. and Naqvi, S.M.K. 2015. Resilience of water restricted Malpura ewes on rehydration during summer under semi-arid tropical climatic conditions. In: National seminar on “Livestock production practices for small farms of marginalised groups and communities in India”, Aizawl, 28-30 January, 2015
9. De, K., Kumar, D., Singh, A.K., Kumar, K., Sahoo, A., Naqvi, S.M.K. 2014. Effect of different types of shelter on microenvironment, physiological response and growth performance of lambs under semi-arid tropical environment during summer”, In: the 20th International Congress of Biometeorology, Embassy Suites Cleveland-Rockside in Cleveland, Ohio, 28 September - 1 October 2014, pp 111, Abs No.9.
10. Naqvi S.M.K., Davendra Kumar and Sahoo A. 2013. Strategies for sustainable small ruminant production in arid regions under changing climate. In: Proc. Workshop on “Strategies for sustainable small ruminant production in arid regions under changing climate”, 14-15, March, 2013, CAZRI, Jodhpur.
11. Sahoo A. and Chaturvedi O.H. 2014. Feed resources: sufficiency for genetic gain in small ruminants? Proc. National Seminar & Annual Conference on “Sheep and Goat Biodiversity and Breeding Policies-Issues and Perspective.” February 21-22, 2014, Krantisingh Nana Patil College of Veterinary Science (MAFSU, Nagpur), Shirwal, Satara.
12. Sahoo A., Meena M.C. 2014. Cactus feeding to sheep and goats in the arid and semi-arid regions of India during summer. In: Proceeding ISSGPU National Seminar on “Prospects and Challenges in Small Ruminant Production in India”, December 11-12, 2014. Sheep Breeding Research Station (TANUVAS), Sandynallah, Nilgiris Ooty, India.
13. Sahoo, A. 2013. Nutritional issues in grazing and migratory sheep and goats. Centre of Advanced Faculty Training in Animal Nutrition is organizing an advanced Short Course on “Clinical Nutrition Approaches for Health and Productivity of Farm Animals”, February 06-26, 2013, IVRI, Izatnagar. pp 174-181.
14. Singh, A.K., Kumar, K., Kumar, D. and Naqvi, S.M.K. 2012. Effect of water restriction on the endocrine response of malpura ewes under semi-arid tropical environment. In: National Seminar and Annual Conference on “Future Challenges and Opportunities to Improve Health and Production of Small Ruminants”, Makhdoom, December 22-23, pp 148, Abs No APAR-C33.