



SOURABH DEORI, PhD (Continued)

Scientist (Animal Reproduction)

National Research Centre on Yak (ICAR)

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SCHOLARLY INTERESTS

Research interests include study of reproductive pattern in yak, infertility problems, augmentation of fertility through hormonal and non-hormonal methods, assisted reproductive techniques. Yak semenology, andrological investigations, breeding behaviour, frozen semen technology and application of Artificial Insemination.

PROFESSIONAL EXPERIENCE

2003-2006: Research Associate, Network Project on Swamp Buffalo, Assam Agricultural University, Guwahati.

2007-2009: Veterinary Officer, Indian Veterinary Research Institute, Izatnagar, Bareilly, India

2010-Present: Scientist (Animal Reproduction), National Research Centre on Yak, Dirang, India

HONOURS AND RECOGNITION

1. Assam Agricultural University Merit Scholarship during Under graduate programme
2. IVRI – Junior Research Fellowship during Post graduate programme (2000-2002)
3. ICAR – National Eligibility Test- 2004, 2006, 2007
4. ICAR- Senior Research Fellowship (PGS) – 2013
5. First prize in Vetmate essay competition – 2009 (Academician category)
6. Dr S.N. Luktuke Award – 2011 (Indian Society for Study of Animal Reproduction)
7. Best oral presentation – 2011 (Indian Society for Study of Animal Reproduction)
8. Young Achiever Awards- 2011 (Society for Advancement of human and Nature)
9. Fellow of Academy of Sciences for Animal Welfare
10. Honorary Board Member- Society for Advancement of Human and Nature
11. Advisory Board Member – World Research Journal of Animal Husbandry and Dairy Science

RESEARCH PROJECTS

1. Project title: Influence of ante partum administration of Vitamin E- Selenium on reproductive and productive efficiency of yak. (Institutional project as PI)
2. Project title: Conservation and multiplication of germplasm of Yak (*Poephagus grunniens L.*) and its hybrid using *in vitro* embryo production techniques (Funded by DBT as COPI)
3. Project title: Interaction between metabolic and reproductive functions in the resumption of postpartum fertility in yak (*Poephagus grunniens L.*). (Institutional as COPI)
4. Project title: Prevalence and seasonal distribution of parasites in yak of Arunachal Pradesh (Institutional-COPI)
5. Project title: Effect of plane of nutrition on growth performance, nutrient utilization and reproduction in yak (Institutional-COPI)
6. Project title: Major biotic and abiotic stressor: their impact on yak health (Institutional-COPI).

RESEARCH PUBLICATIONS (Best 10 papers)

1. **S. Deori**, Harendra Kumar, M.C. Yadav, M. Rawat and S.K. Srivastava (2004). Intrauterine Administration of Bacterial Modulins: An alternative therapy for endometritis. *Journal of Applied Animal Research*. **26**:117-121.
2. G.C.Das, **S. Deori**, B.K.Das and R.N.Goswami. (2008). Morphological studies on fetal membranes in Swamp buffaloes. *Indian Veterinary Journal*. **85**: 97-98.
3. G.C.Das, **S. Deori**, B.K.Das and R.N.Goswami. (2008). Certain biochemical constituents of seminal plasma in Swamp buffalo bulls. *Indian Veterinary Journal*. **85**: 457-458
4. K.K. Baruah, V. Paul, F.U.A. Ahmed, P. Chakravarty, **S. Deori**, H. Sarma and A. Saikia (2012). Effect of strategic feed supplementation on growth performance and nutrient utilization in yak calves during winter. *Indian Journal of Animal Sciences*, **82**(2):220-222.
5. Joken Bam, **Sourabh Deori**, Vijay Paul, Debasis Bhattacharya, Asit K Bera, Leema Bora and Kishore Kumar Baruah (2012) Seasonal prevalence of parasitic infection of yaks in Arunachal Pradesh, India. *Asian Pacific Journal of Tropical Disease*, **2** (4): 264-267.
6. **S. Deori** and Joken Bam (2012). The timing of parturition and sex ratio in yaks under farm conditions. *Indian Journal of Animal Reproduction*, **33** (1): 68-70
7. D. Hazarika, D. Bhattacharya, S Sarma, K. K. Baruah, J. Saikia and **S. Deori** (2013). Sodium dodecyl sulphate (SDS)-polyacrylamide gel electrophoresis of seminal plasma proteins in yak. *Indian Journal of Animal Sciences* **83** (1): 40-41.
8. **S. Deori**, P. Chakravarty, M. Hussain, A. Saikia, D. Hazarika, K.K. Baruah and J. Goswami (2013). Efficacy of ovsynch protocol on ovarian response and progesterone profile in yak. *Indian Journal of Animal Sciences* **83** (3): 276-278.
9. B.K.D. Borah, **S. Deori**, M. Bhuyan, B.C. Deka, P. Chankravarty and M.K. Nath (2013). Comparative study on conception arte in Indian yak (*Poephagus grunniens L.*) under farm condition. *Indian Journal of Animal Sciences* **83** (5): 531-532.

10. **S. Deori**, Joken Bam, V. Paul and K.K. Baruah (2013). Epidemiology of abortion in yaks (*Poephagus grunniens*) under farm conditions. *Indian Journal of Animal Research* **47**: 178-180.

OTHER PUBLICATIONS

Training manuals

- ❖ Sanjit Maiti, Vijay Paul, Joken Bam, **Sourabh Deori** and F.A. Ahmed (2011). Scientific Management Practices for clean milk production of high Altitude Animal. Published by National Research Centre on Yak, Dirang, Arunachal Pradesh
- ❖ **Sourabh Deori**, Juwar Doley, B.K.D. Borah, P.K. Mallick and Dipankar Hazarika (2012). Scientific Dairy Farming. Published by National Research Centre on Yak, Dirang, Arunachal Pradesh.
- ❖ Juwar Doley, **Sourabh Deori**, Mokhtar Hussain, B.K. D. Borah, P. Chakravarty, Asit Kr Bera (2012). Disease Management of High Altitude Animals. Published by National Research Centre on Yak, Dirang, Arunachal Pradesh.

Folder

S. Deori, B.K.D. Borah, P. Chakravarty and K.K. Baruah (2012). Artificial Insemination in Yak. Published by National Research Centre on Yak, Dirang, Arunachal Pradesh.