## Dr. Kajal Sankar Roy

Specialization/ARS discipline: Animal Physiology

Date of joining ICAR: 22.08.1997
Date of joining NIANP: 22.08.1997
Mobile: 9448974024

Email: <u>ksroy123star@gmail.com</u>

## **Publications**

Arangasamy A, Venkata Krishnaiah M, Manohar N, Selvaraju S, P.R. Guvvala PR, Soren NM, Reddy I J, **Roy K S** and Ravindra J P(2018). Advancement of puberty and enhancement of seminal characteristics by supplementation of trace minerals to bucks; *Theriogenology*, 110: 182 – 191.

Varghese T, Divyashree B C, Roy S C and **Roy K S** (2016). Loss of heat shock protein 70 from apical region of buffalo (Bubalus Bubalis) sperm head after freezing and thawing; *Theriogenology*, 85: 828 – 834.

**Roy K S** and Prakash B S (2009). Plasma progesterone, estradiol-17β and total estrogen profiles in relation to estrous behavior during ovsynch treatment in Murrah buffalo heifers; *Journal of Animal Physiology and Animal Nutrition*, 93: 486-495.

**Roy K S** and Prakash B S (2009). Changes in endocrine profiles during ovsynch and ovsynch plus norprolac treatment in Murrah buffalo heifers at hot summer season; *Tropical Animal Health and Production*, 41: 677-687.

**Roy K S** and Prakash B S (2007). Seasonal variation and circadian rhythmicity of prolactin profile during summer months in repeat breeding Murrah buffalo heifers; Reproduction, *Fertility and Development*, 19: 569-575.

**Roy K S** and Prakash B S (2007). Development and validation of a simple sensitive enzyme immunoassay (EIA) for quantification of prolactin in buffalo plasma; *Theriogenology*, 67:572-579.

Selvaraju S, Karthik S B, Archana S S, Gowda N K S, Binsila B K, Reddy I J, Pal D T, **Roy K S**, Ravindra J P (2017). Profile of plasma biomolecules and minerals in various reproductive status of cattle and buffaloes. *Indian Journal of Animal Sciences*, 87(9): 1071-1076.

**Roy Kajal Sankar**, Roy S C and Ghosh J (2013). Detection of heat shock protein 70 (HSP70) in lymphocytes of broiler chickens as a biomarker of heat stress. *Indian Veterinary Journal*, 90(3):24-25.

**Roy Kajal Sankar** Roy S C and Ghosh J (2013). Effect of ascorbic acid supplementation on HSP70 and plasma corticosterone profile during heat stress in broiler chickens. *Indian Veterinary Journal*, 90(4): 32-33.

**Roy Kajal Sankar**, and Prakash B S (2013). Effect of Norprolac on fertility in ovsynch regimen treated buffalo heifers. *Indian Veterinary Journal*, 90(1): 19-21.