



**Dr. Sunil Kumar, B.V.Sc., M.V.Sc., PhD**  
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<b>Publications</b>	<b>Total no. of Research Paper</b> : 10
	<b>Total no. of Books/Manual</b> : 01
	<b>No. of patent granted (G) /filed (F)</b> : (G) (F)
	<b>Copyright granted (G) /filed (F)</b> : (G) (F)
	<b>Policy Document</b> :

**Experience with research interest:**

Artificial Insemination, Boar semen cryopreservation, *In vitro* embryo production and stem cell technology, Ultrasonography, Optimizing reproductive efficiency

**Top 10 Publications**

1. Barman K., Banik, S., Pegu, S.R., **Kumar, S.**, Rahman, J.I., Das, A.K., Rajkhowa, S., Jat, S.L., and Rakshit, S. (2020). Effect of Supplementation of QPM Maize Fodder on Production Performance in Large White Yorkshire Grower Pigs”. *EC Veterinary Science* 5(8): 142-146
2. Gahlot S.C., **Kumar S.**, Kumaresan A., Chand S., Baithalu R. K., Lathika S., ... & Mohanty T. K. (2017). Efficiency of uterine fluid cytology in the diagnosis of subclinical endometritis in the water buffalo (*Bubalus bubalis*). *Reproduction in Domestic Animals*, 52(3), 513-516.
3. Gahlot S.C., **Kumar, S.**, Kumaresan A., Vairamuthu S., Saraf K.K., Sreela L., Baithalu R.K., Lathwal S.S., Mohanty T.K. (2018). Biochemical analysis of uterine fluid for identification of indicators for subclinical endometritis in the water buffalo (*Bubalus bubalis*). *Reproduction in Domestic Animals*, 53(1):48-53.
4. Karan P., Mohanty T., Kumaresan A., Bhakat M., Baithalu R., Verma K., **Kumar S.**, Das G.M., Saraf K. and Gahlot S.C. (2018). Improvement in sperm functional competence through modified low-dose packaging in French mini straws of bull semen. *Andrologia* 50(5), e13003.
5. Saraf K.K., Kumaresan A., Nayak S., Chhillar S., Sreela L., **Kumar S.**, Tripathi U.K, Datta T.K., Mohanty T. K., (2017). Development of an *in vitro* oviduct epithelial explants model for studying sperm-oviduct binding in the buffalo. *Reproduction in Domestic Animals*, 52(4), 687-691.
6. Patel B., Kumar N., Jain V., Ajithakumar H. M., Kumar S., Raheja N., ... & Singh S. (2017). Zinc supplementation improves reproductive performance of Karan-Fries cattle. *Indian Journal of Animal Reproduction*, 38(1), 20-22.
7. **Kumar S.**, Behera B.K., Chethan S.G., Karuppnasamy K., Barik N.C., Singh M., Kumar P.R., Singh S.K. (2015). Therapeutic management of Feline dystocia due to primary complete uterine inertia Therapeutic management of Feline dystocia due to primary complete uterine inertia. *Indian Veterinary Journal*. 92(4) 78-79.
8. **Kumar S.**, Chand S., Kumaresan A. (2014). Dystocia due to an Ascitic Fetus in a Crossbred Cow.2014. *Shanlax International Journal of Veterinary and Animal Science*. Sci.2:2.

**9. Kumar S., Chand S., and Kumaresan A. (2014).** Pervaginal delivery of a Schistosomus reflexes Fetus in Murrah buffalo. *Shanlax International Journal of Veterinary and Animal Science* 2:2.

**Technologies developed:**

1. Artificial insemination in Pig
2. Synchronization and estrus induction

**Awards:**

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**Membership of professional society:**

- Life Member of ISSAR,
- Life Member of Assam Science Society
- Life Member of Swine Production Society of India
- Life Member of ISSAGB