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<b>Publications</b>	
Singh, A.K., Bhakat, C., Kisku, U., <b>Karunakaran, M.</b> and Dutta, T.K. (2025) Effect of supplementation of phytoadditive mixtures on live weight, blood indices, hormonal profile and reproductive performance in Black Bengal goats. <i>Scientific Reports</i> 15, 4442 (2025). <a href="https://doi.org/10.1038/s41598-025-89026-9">https://doi.org/10.1038/s41598-025-89026-9</a>	
Das S, Shaji A, Nain D, Singha S, <b>Karunakaran M</b> , Baithalu RK. Precision technologies for the management of reproduction in dairy cows. <i>Tropical Animal Health Production</i> 2023 Aug 4;55(5):286. doi: 10.1007/s11250-023-03704-2	
Pramanik, A., Bera, S., Menda, R., Mondal, M., <b>Karunakaran, M.</b> , Santra, A. and Das, S.K. (2022). Enhancement of developmental competence of immature oocytes supplementing with leukaemia inhibitory factor as a media supplement. <i>Reproduction Fertility Development</i> , 35 (2), 182-182.	
Kumar M, Chatterjee A, Dutta TK, Reena Y, Mohammad A, Bhakat C, Rai S, Mandal DK, <b>Karunakaran M</b> (2023) Effect of exogenous fibrolytic enzymes supplementation on voluntary intake, availability of nutrients and growth performance in Black Bengal kids ( <i>Capra hircus</i> ). <i>Small Ruminant Research</i> 106912. <a href="https://doi.org/10.1016/j.smallrumres.2023.106912">https://doi.org/10.1016/j.smallrumres.2023.106912</a>	
Das, S., Nandi, P.R., Sarkar, P., Tudu, K.C., Rai, S., Behera, R. Mandal, A., Mondal, M., <b>Karunakaran, M.</b> (2021). Effect of superoxide dismutase, catalase, and glutathione reductase supplementation on cryopreservation of Black Bengal buck semen. <i>Tropical Animal Health Production</i> 53, 552 (2021). <a href="https://doi.org/10.1007/s11250-021-02995-7">https://doi.org/10.1007/s11250-021-02995-7</a>	
Satapathy, D., Dutta, T.K., Chatterjee, A., <b>Karunakaran, M.</b> , Ghosh, M.K., Mohammad, A. (2021). Evaluation of ameliorative efficiency of vitamin E and <i>Saccharomyces cerevisiae</i> yeast on arsenic toxicity in Black Bengal kids. <i>Small Ruminant Research</i> 202 106473. <a href="https://doi.org/10.1016/j.smallrumres.2021.106473">https://doi.org/10.1016/j.smallrumres.2021.106473</a>	
<b>Karunakaran, M.</b> , Gajare, V., Mandal, A., Mondal, M., Das, S.K., Ghosh, M.K., Rai, S. and Behera, R. (2019). Electrophoretic profile of seminal proteins and their correlation with in vitro sperm characters in Black Bengal buck semen. <i>Veterinary World</i> , 12(5): 621-628. doi: 10.14202/vetworld.2019.621-628	
<b>Karunakaran, M.</b> , Chakurkar, E.B., Ratnakaran, U., Naik, P.K., Mondal, M., Mondal, A., and Singh, NP. (2016). Characteristics of boar semen preserved at liquid state. <i>Journal of Applied Animal Research</i> 45(1), 217–220. <a href="http://dx.doi.org/10.1080/09712119.2016.1150848">http://dx.doi.org/10.1080/09712119.2016.1150848</a>	
<b>Karunakaran, M.</b> and Devanathan, TG. (2016). Evaluation of bull semen for fertility-associated protein, in vitro characters and fertility. <i>Journal of Applied Animal Research</i> 45 (1); 136- 144. <a href="http://dx.doi.org/10.1080/09712119.2015.1129343">http://dx.doi.org/10.1080/09712119.2015.1129343</a>	
<b>M Karunakaran</b> , A Dhali , A Mech , K Khate , C Rajkhowa , D P Mishra. Preservation of mithun ( <i>Bos frontalis</i> ) semen at refrigeration temperature. (2007). <i>Animal Reproduction Science</i> . 101 (3-4) ; 257-264.	