

BRIEF PROFILE



Name	Dr. Sriranga K. R.
Date of Birth	26-10-1993
Designation	Subject Matter Specialist (Livestock Production Management)
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Employment Record	Subject Matter Specialist (LPM), ICAR-NIRCA-KVK, Kandukur (from 12-06-2024 onwards)
Publications (Best 10)	1. Chitkara, M., Kaur, H., Vasisth, R., Sriranga, K.R., Gurao, A., Mahar, K., Dige, M.S., Aggarwal, R.A.K., Mukesh, M., Kumar, P. and Singh, P., 2025. Evaluation of mitochondrial copy number and gene expression changes in the spermatozoa of buffalo bulls under heat stress. <i>Reproductive Biology</i>, 25(2), p.101014. (NAAS rating: 8.5) 2. Vasisth, R., Sriranga, K.R., Chitkara, M., Gurao, A., Singh, L.P., Dige, M.S., Sodhi, M., Mukesh, M., Kumar, P., Singh, P. and Kataria, R.S., 2025. Serum Biochemical and Gene Expression Changes in the Spermatozoa of Buffalo Bulls Under Heat Stress. <i>Biochemical Genetics</i>, pp.1-28. (NAAS rating: 8.1) 3. Kaur, H., Chitkara, M., Mathai, E., Gurao, A., Vasisth, R., Dige, M.S., Mukesh, M., Sriranga, K.R., Singh, P. and Kataria, R.S., 2024. Polymorphism detection and characterization of sperm cells chromatin remodeling associated genes in Murrah buffalo. <i>Tropical Animal</i>

	<i>Health and Production</i>, 56(8), p.318. (NAAS rating: 7.7) 4. Kittur, P.M., Satheesan, L., Madhusoodan, A.P., Sriranga, K.R., Kumar, D., Kamboj, A. and Dang, A.K., 2024. Correlation of udder thermogram and somatic cell counts as a tool for detection of subclinical mastitis in buffaloes. <i>Veterinary Research Communications</i>, 48(4), pp.2721-2729. (NAAS rating: 7.8) 5. Vasisth, R., Gurao, A., Chitkara, M., Kumar, G., Sriranga, K.R., Mukesh, M., Dige, M.S., Singh, P., Aggarwal, R.A.K. and Kataria, R.S., 2024. Selection of reference genes for normalizing gene expression data across seasons in spermatozoa of water buffalo (<i>Bubalus bubalis</i>). <i>International Journal of Biometeorology</i>, 68(7), pp.1397-1409. (NAAS rating: 9) 6. Kumar, G., Gurao, A., Vasisth, R., Chitkara, M., Singh, R., Sriranga, K.R., Dige, M.S., Mukesh, M., Singh, P. and Kataria, R.S., 2024. Genome-wide 5'-C-phosphate-G-3' methylation patterns reveal the effect of heat stress on the altered semen quality in <i>Bubalus bubalis</i>. <i>Gene</i>, 906, p.148233. (NAAS rating: 8.6) 7. Vasisth, R., Gurao, A., Kumari, N., Kumar, G., Kumar, A., Sriranga, K.R., Dige, M.S., Mukesh, M., Aggarwal, R.A.K., Singh, P. and Kataria, R.S., 2023. Development and validation of most efficient RNA isolation method from buffalo bull spermatozoa. <i>Molecular Biology Reports</i>, 50(8), pp.6717-6727. (NAAS rating: 8.6) 8. Sriranga, K.R., Rao, T.K.S., Harini, K.R., Singh, R.R. and Patel, N.B., 2023. Expression of parlour behaviour, temperament, welfare and approach test in postpartum Surti buffaloes (<i>Bubalus bubalis</i>). <i>Indian Journal of Animal Sciences</i>, 93, pp.90-94. (NAAS rating: 6.2) 9. Sriranga, K.R., Rao, T.K.S., Harini, K.R. and Tyagi, K.K., 2023. Body Condition Scoring and Serum Metabolic Profiles vis-a-vis Parity in Postpartum Surti Buffaloes. <i>Asian Journal of Dairy and Food Research</i>, 42(4), pp.484-489. (NAAS rating: 5.44) 10. Sriranga, K.R., Rao, T.K.S., Harini, K.R., Singh, R.R. and Patel, N.B., 2023. Influence of parity on milk production and composition, udder morphology and resumption of ovarian cyclicity in postpartum Surti buffaloes (<i>Bubalus bubalis</i>). <i>Indian Journal of Veterinary Sciences and Biotechnology</i>, 19(1), pp.82-86. (NAAS rating: 5.25)
Awards/ Honours	1. Deans Merit Award from ICAR-National Dairy Research Institute, Karnal during the academic year 2019-20. 2. Awarded second prize for poster presentation in “National Conference on Animal Breeding Strategies in the Era of Genomics and Phenomics & XV Annual Convention of Indian Society of Animal Genetics & Breeding” during December 17-18, 2021 at ICAR- National Bureau of Animal Genetic Resources, Karnal-132001. 3. Best poster presentation in “National Seminar of ISBD on Modern Approaches for Sustainable Buffalo Production” during October 27-28, 2023 at DUVASU, Mathura-281001.