BIODATA

Name	:	**Dr. Swagatika Priyadarsini**
Designation	:	Scientist
Discipline	:	Animal Biochemistry
Area of Research Interest	:	Molecular biology, Next generation vaccine and diagnostics
Date of Joining ARS	:	11 April 2023
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Qualifications with year and institute

Degree awarded	Institute	Year
BVSc and AH	College of Veterinary Science and Animal Husbandry, OUAT, Bhubaneswar, Odisha	2016
MVSc (Animal Biochemistry)	ICAR- Indian Veterinary Research Institute, Izatnagar, U.P.	2018
PhD (Animal Biochemistry)	ICAR- Indian Veterinary Research Institute, Izatnagar, U.P.	2022

PUBLICATIONS

Selected peer-reviewed publications

1.	Sarkhel, R., Apoorva, S., **Priyadarsini, S**., Sridhar, H. B., Bhure, S. K., & Mahawar, M. (2022). Malate synthase contributes to the survival of Salmonella Typhimurium against nutrient and oxidative stress conditions. *Scientific Reports*, 12(1), 15979.
2.	Nikhil, K. C., Noatia, L., **Priyadarsini, S**., Pashupathi, M., Gali, J. M., Ali, M. A., ... & Behera, P. (2022). Recoding anaerobic regulator fnr of Salmonella Typhimurium attenuates it's pathogenicity. *Microbial Pathogenesis*, 168, 105591.
3.	**Priyadarsini, S**., Panda, S., Pashupathi, M., Kumar, A., & Singh, R. (2021). Design of multiepitope vaccine construct against non-typhoidal Salmonellosis and its characterization using immunoinformatics approach. *International Journal of Peptide Research and Therapeutics*, 27, 2333-2348.
4.	Nikhil, K. C**., Priyadarsini, S**., Pashupathi, M., Ratta, B., Saxena, M., Ramakrishnan, S., ... & Kumar, A. (2021). Regulatory role of Fnr gene in growth and Tola gene expression in Salmonella typhimurium. *Indian Journal of Animal Research*, 55(7), 774-779.
5.	**Priyadarsini**, S., Panda, S., Singh, R., Behera, A., Biswal, P., Mech, P. and Ramaiyan, K., 2020. In silico structural delineation of nucleocapsid protein of SARS-CoV-2. J. *Entomol.*

	Zool. Stud, 8(2), pp.06-10.
6.	Ratta, B., **Priyadarsini, S**., Channabasappa, N. K., Mani, P., Saxena, M., Saravanan, R., & Kumar, A. (2020). Optimization of recombinant glycoprotein D (gD) based indirect ELISA for detection of antibodies against bovine herpesvirus-1. *Adv. Anim. Vet. Sci*, 8(8), 853-860.
7.	**Priyadarsini, S**., Singh, R., Ramaiyan, K., Somagond, A., & Mech, P. (2020). Stable Intronic Sequence RNAs (sisRNAs): a Newer Insight to Cellular Regulatory Network. *Ind. J. Pure App. Biosci*, 8(3), 608-613.
8.	**Priyadarsini, S**., Singh, R., Somagond, A., Mech, P., Patel, R. K., & Gangwar, M. (2021). Need for veterinarian's intervention in the emerging menace of COVID-19 anthroponosis: A mini review. *The Pharma Innovation*, 10(5), 2322-2327.
9.	**Priyadarsini, S**., Nikhil, K. C., Ratta, B., Pashupathi, M., Behera, P., & Kumar, A. (2019). Effect of mutation resulted from error prone PCR on the strength of promoter activity. *Journal of Experimental Zoology India*, 22(2).
10.	Singh, R., **Priyadarsini, S.,** Singh, P., & Joshi, S. (2019). Real Time PCR and Its Application in Diagnosis of Current Veterinary Diseases: A Brief Review. *Int. J. Curr. Microbiol. App. Sci*, 8(10), 2377-2384.