

Avani Singh

B.V.SC & A.H, M.V.SC-VETERINARY PHYSIOLOGY
REG. NO: 5898 (RSVC)

Objective

My academic background in veterinary physiology, passion for teaching, and innovative methods equip me to contribute effectively to the institution's educational mission. I am committed to fostering an engaging learning environment and advancing veterinary education and research.

Education

2022	M.V.Sc. (Veterinary Physiology) Post Graduate Institute of Veterinary Education and Research, Jaipur, Rajasthan OGPA – 8.907
2015 – 2020	B.V.Sc. & A.H Arawali Veterinary College, Sikar, Rajasthan OGPA – 8.52
2013	XII Standard (ISC Board) Springfield School, Jaipur, Rajasthan Percentage – 89.6 %
2011	X Standard (ISCE Board) Springfield School, Jaipur Percentage- 82.75 %

Research experience

- Conducted comprehensive research on "Studies on Effect of Antioxidants on Cryogenic Manipulation in Murrah Bull Semen" under guidance of Prof. Dr. G.S. Gottam.
- Worked extensively in Frozen Semen Bank, Bassi conducting semen analysis and evaluation in Murrah buffalo.
- Performed routine hematological analysis by conventional and modern methods.
- Demonstrated proficiency in laboratory techniques, including operating

biochemical analyzer, physiograph, and research methodologies relevant to animal physiology.

- Collected and analyzed data using statistical software

Teaching experience

- Guided undergraduate students in laboratory sessions, demonstrating proper techniques for sample collection and physiological measurements.

Presentations

2023

Poster Presentation

"Appraisal of thyroid status in Pugal sheep from arid tracts during varying environmental conditions", 31st SAPI Annual Conference

Languages

- Hindi
- English

Certifications

- "Laboratory Animal Management and Breeding", Department of Animal Genetics and Breeding, College of Veterinary and Animal Sciences, MAFSU, Parbhani
- "Technology Advancement and Integration in Improving Animal Health, Production and Reproduction vis-à-vis Climate Change", Department of Veterinary Physiology and Biochemistry, College of Veterinary Science and Animal Husbandry, Mhow (M.P.)
- "INNOVATIVE TEACHING STRATEGIES AND TOOLS IN THE DIGITAL AGE", Scrollwell
- Bioinformatics Essentials: A Comprehensive online training program", CVAS, Kishanganj, Bihar Animal Sciences University, Patna.
- "Python for Biologists Certification Course", Biogrademy.
- "Agri-Tech World- 2023", ICAR
- "Expedition in Veterinary Ophthalmology and its pathway to clinical application", Department of Veterinary Surgery & Radiology, College of Veterinary Science & A.H., Rewa (M.P.)

Published work

Popular articles

- "Applications and Benefits of Precision Livestock Farming", Vigyan Varta 4(3): 94-97.
- "Goat Milk: A Future Medicinal Food", Vigyan Varta 4(3): 73-76.
- "The impact of Climate Change on Reproductive performance of Livestock", Indian Farmer, Vol. 10 (02); Feb-2023.
- "Obesity in Dog", Indian Farmer, Vol. 10 (02); Feb-2023.
- "Unleashing the Power of Heat Shock Proteins: Revolutionizing Livestock Production", The Science World May, 2023; 3(05), 868-874.

- "पशुओं की प्रजनन क्षमता पर हीट शॉक प्रोटीन की उपयोगिता" (*The Utility of Heat Shock Proteins on the Reproductive Capacity of Animals*), Pashupalan Naye Ayam, September, 2023.
 - "स्टेम कोशिका तकनीक द्वारा त्वचा संबंधी बीमारियों का उपचार" (*Treatment of Skin-related Diseases through Stem Cell Technology*), Pashupalan Naye Ayam, June, 2023.
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Computer skills

- MS Office
 - Internet and its applications
 - C++, JAVA, Python
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