

Dr. Shiva Pratap Singh
B. V. Sc., M. V. Sc.
Scientist (Animal Physiology)
Physiology, Reproduction and Shelter Management Division



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Date of Birth : October 6th, 1980

Gender & Marital Status : Male, Married

Nationality : Indian

ACADEMIC QUALIFICATIONS

Master of Veterinary science (M.V.Sc),

Major subject: Animal Physiology, from Indian Veterinary Research Institute, Izzatnagar, Bareilly, Utter Pradesh, India.

Minor Subject: Veterinary Biochemistry, 2004 – 2006. **Grade Point Average- 8.55/10**

Major subject taken during M.V.Sc: **Animal Physiology**

Minor subjects taken during M.V.Sc: **Animal Biochemistry**

Bachelor of Veterinary Sciences (B.V.Sc & A.H), Veterinary Sciences and Animal Husbandry, College of Veterinary Science, Narendra Dev University of Agriculture and Technology, Kumarganj, Faizabad, India, 1999 - 2004

Grade Point Average- 7.948/10

MASTERS PROGRAMME FOR M.V.Sc., (ANIMAL PHYSIOLOGY)

Research title: “Studies on the effect of yeast supplementation on amelioration of thermal stress in buffaloes”

SCIENTIFIC ABILITIES

Immunological Techniques:

- Enzyme immunoassays (EIA) for protein and steroid hormone
- Radio immunoassay (RIA) for steroid hormone in milk and blood plasma

Physiological Techniques:

- Electrocardiography
- Haematological analysis
- Blood biochemical analysis

Blood metabolite analysis

General Biochemical Techniques:

- Spectroscopy
- High Speed Centrifugation
- Chromatographic procedures

Instruments Handled:

UV/Vis-Spectrophotometer, High Speed Centrifuge, Electrophoresis units (PAGE & Agarose), ELISA plate washer, ELISA Reader, β -scintillation counter, Ultra sound Machine, Ultrasound-ray, CO₂ incubator, Blood Gas analyzer, Blood biochemical analyzer, Infra red thermometer, Benedict Roth's Spirometer, Laminar flow, Controlled biofreezer, High magnification Microscopes etc.

THRUST RESEARCH AREA/ AREAS OF INTEREST

- Stress Physiology of goats
- Animal Ethology and Welfare

RESEARCH PROJECTS

1- Institute Funded

- a. Adaptability of Goats and Environmental Aspects under Different Production System (As Co-PI) (Ongoing)
- b. Economic Managerial Interventions for Augmenting growth in Kids (As Co-PI) (Ongoing)

External Funded

- a. NAIP (component-4) project: Bio Prospecting of genes and allele mining for abiotic stress tolerance. (As Co-PI) (Ongoing)
- b. ICAR Network Project on Adaptation and facilitation of livestock to impending climatic changes through shelter management (As Co-PI) (Ongoing)

AWARDS AND DISTINCTIONS

1. College Scholarship during B.V.Sc.& A.H.
2. Junior research fellowship of ICAR during M.V.Sc.
3. Qualified ICAR National Eligibility Test (NET)
4. First prize in Lawn Tennis in All India Agriculture University sports and games meet at Udaipur.

Membership of Professional Societies:

- Life member of "Indian Society for Sheep and Goat Production and Utilization.
- Life member of 'Society of Animal Physiologist of India'.
- Life member of 'Indian Association of Animal Production'.
- Life member of 'The Indian Society of Animal Production & Management'.

- Member of U.P. Veterinary Council.
- Member of Veterinary Council of India.

PUBLICATIONS

➤ Research articles	: 04
➤ Review/ Lead articles	: 03
➤ Popular articles	: 10
➤ Chapters contributed	: 04
➤ Books/Manuals	: 4
➤ Abstracts in Seminars	: 10
➤ Seminar/ Symposia attended	: 07
