

JASVINDER SINGH SOODAN



0118. Veterinary and Animal Science Research Foundation (VASREF) is pleased to confer the award of Fellow of Veterinary and Animal Science (FVAsc) to Professor (Dr) Jasvinder Singh Soodan, Professor and Head, Division of Veterinary Clinic & Teaching Hospital, Faculty of Veterinary Science and Animal Husbandry, Sher-e Kashmir University of Agricultural Science & Technology- Jammu, India in recognition of his momentous contribution to veterinary and animal science in the year 2018.

Antecedent: Professor Soodan, son of Sardar Jagat Singh was born in Gandhi Nagar, Jammu, the winter capital of the Himalayan State of Jammu & Kashmir, situated on the banks of Tawi River at an elevation of 327 m over MSL on 1 October 1966. Livestock rearing is an integral part of livelihood of the people of this state due to its affable agro-climatic conditions for the growth of animal sector, as nature has bestowed the state with a bounty of lush green forests, pastures, meadows, grazing fields, water bodies, high and mighty mountains, besides trans-Himalayan cold desert (Ladakh) and the amusing climate scenario of Kargil.



Academic accomplishments: Professor Soodan was graduated (BVSc & AH) in 1990 with 2.96/4.0 OGPA (64.2%), post-graduation (MVSc) in Veterinary Medicine in 1993 with 3.78/4.0 OGPA (79.5%), and Doctor of Philosophy (PhD) in 1996 with 4/4 OGPA (80%) with merit fellowship from Punjab Agricultural university, Ludhiana.

Service Particulars: Professor Soodan started his professional career as Assistant Professor in 1996, and was elevated to the rank of Associate Professor in 2001 and Professor & Head of Division of Veterinary Clinic & Teaching Hospital since 2010 in the Faculty of Veterinary Science and Animal Husbandry (SKUAST-Jammu).

Scientific achievements: Professor Soodan is a specialist in Hypocuprosis, Trypanosomiasis, Ketosis, Canine dermatosis, and Hepatitis, and has undertaken research on 'Studies on Incidence, Diagnosis and Chemotherapy of Surra in Equines', and 'Clinico-Biochemical, Immunological and Therapeutic studies in experimentally induced copper deficiency in animals'. He was the Principal Investigator (PI) of 4 research projects and Co-PI of 6 research projects.

Publications: Professor Soodan's list of publication included 73 Research papers, 23 Review articles, 27 Invited Lectures, 5 Book chapters, 4 Practical Manuals, 15 Professional Pamphlets/Leaflets, 6 Training Manuals, and has edited / compiled 65 Conferences/Symposia papers.

Research guidance: Professor Soodan has guided 2 PhD and 6 MVSc scholars.

Research contribution: His studies on hypocuprosis in buffaloes revealed decreased humoral and cellular response manifested by significant decline in serum IgM titre, IgM bearing /producing cells in the tissues, antibody titre against vaccination with haemorrhagic septicaemia vaccine and decreased T lymphocyte rosette forming cells.

Studies on trypanosomiasis revealed that biological test, PCR is most specific for detecting latent infections. Quantitative immunoglobulin levels revealed significant increase in IgM levels. However IgG remained unaltered.

Hepatitis studies in dogs revealed that the indicators of chronic hepatitis decreased total protein, decreased A/G ratio, hypercholesterolemia and hypoglycemia. It was observed that high levels of ALP can serve as early indicators of many metastatic conditions in body.

For the prevention of mastitis, it was observed that the Infusion of teat sealant reduced the risk of new intra-mammary infection by 54.85 per cent. The reduction in relative risk was higher for *Streptococcus spp.* as compared to *Staphylococcus spp.* Effect of copper supplementation on udder health and oxidative stress parameters was found to be prolonged compared to vitamin E & Selenium.

Acid base status examination in colic cases in equines revealed metabolic acidosis in 28.57% cases of impactive colic, 66.66 % cases of obstructive colic and all cases of spasmodic colic and metabolic alkalosis in 71.42 % cases of impactive colic and 33 % cases of obstructive colic. Decreased calcium and sodium was seen in all types of colic where as increased potassium level was seen in cases of metabolic acidosis.

Professional assignments: Professor Soodan is the President of State Chapter of Indian Society for Veterinary Medicine. He is the Review Editor of Animal Science Reporter (International Journal of Animal Science Research), ISSN 0974-6307.

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