

## Curriculum Vitae

**Name** : Dr. Shanker Kumar Singh  
**Gender** : Male  
**Designation** : Assistant Professor (Veterinary Medicine)



**Address:** Department of Veterinary Medicine, U.P. Pandit Deen Dayal Upadhyaya Pashu-Chikitsa Vigyan Vishwavidyalaya Evam Go Anusandhan Sansthan (DUVASU), Mathura, UP., India.

**Residential Address:** Address: C-4, Old Campus, College of Veterinary Science and Animal Husbandry, DUVASU, Mathura – 281 001, U.P.

**Telephone** : +91 9897413042 **E-Mail** : [pshankervet@gmail.com](mailto:pshankervet@gmail.com)

**Date of Birth** : 25/10/1980 **Nationality** : Indian

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## WORK EXPERIENCE

**10/ 2011 - Present** Assistant Professor. Department of Veterinary Medicine, Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu-Chikitsa Vigyan Vishwavidyalaya Evam Go Anusandhan Sansthan (DUVASU), Mathura, UP., India.

- Teaching undergraduate, post-graduate and doctoral students of veterinary science.
- Major advisor of post-graduate and doctoral student's research projects.
- Conducting research in the area of veterinary dermatology, vector-borne diseases of animals, host-parasite interplay, immunopathology of parasitic disease and production diseases of livestock.
- Team member to investigate various disease outbreaks of animals in the state and country.
- Treating clinically sick livestock, companion animals and wildlife presented to the University Hospital.
- Training farmers, livestock owners and veterinary professionals.
- Participating in various national program activities assigned by the University such as OIE-PVS.

**09/ 2010 – 09/2011** Medical Veterinary Officer. Laboratory Animal Resource Section, SRMS Institute of Medical Sciences, Bareilly, UP., India

- Maintaining laboratory animals for experimental use.
- Conducting *in vivo* experimental trials in laboratory animals.
- Therapeutic management of clinically sick laboratory animals.

- Training undergraduate medical students for laboratory animals handling.

### **EDUCATION**

- 2007 - 2010** Ph.D., Indian Veterinary Research Institute, Izatnagar, Bareilly, UP., India.  
Major: Veterinary Medicine  
Minor: Veterinary Immunology and Animal Biochemistry
- Evaluation of antioxidant potential of *Calendula officinalis* in canine sarcoptic acariasis.
- 2005 - 2007** M.V.Sc., Indian Veterinary Research Institute, Izatnagar, Bareilly, UP., India.  
Major: Veterinary Medicine  
Minor: Animal Biochemistry
- *In vitro* disease resistance and free radical scavenging potential of certain indigenous bio-organics and *in vivo* corroboration in mice and canine
- 1999 - 2005** B.V.Sc. & A.H., Bombay Veterinary College, Mumbai, India.  
Major: Veterinary Science and Animal Husbandry

### **PROFESSIONAL TRAINING**

- 26/09/2018 - 16/10/2018** 21 days ICAR Winter School Training on “Practicability, Scope and Future prospect of Ethno-Botanicals in Minimizing Antibiotic Resistance”
- Division of Veterinary Medicine, Indian Veterinary Research Institute, Izatnagar, UP., India
- 14/09/2017 - 04/10/2017** 21 days national training on “Updates on Vectors and Vector Borne Diseases”
- Department of Veterinary Parasitology, Centre of Advanced Faculty Training (CAFT) in Parasitology, Veterinary College, KVAFSU Regional campus, Hebbal, Bengaluru (Karnataka), India.
- 08/10/2013 - 28/10/2013** 21 days ICAR Summer School Training on “Advances in Diagnosis, Therapy and Prevention of Emerging and Re-emerging Diseases of Livestock”
- Department of Veterinary Medicine, College of Veterinary Science, GADVASU, Ludhiana (Punjab), India.
- 26/11/2011 - 30/11/2011** Five days Orientation and Sensitization Workshop on “Science Writing/Journalism”

- National Council for Science and Technology Communication, DST, New Delhi & Department of Mass Communication, Aligarh Muslim University, Aligarh, UP., India.

### **RESEARCH EXPERIENCE**

- More than 14 years (including research during post-graduation and doctoral degree)
- Major Advisor of one PhD and Eight MVSc students
- Studies on immuno-ophthalmopathy of bovine tropical theileriosis in calves with special reference to immunomodulatory effects of injectable trace minerals complex supplementation
- Evaluation of the ameliorative potential of a polyherbal formulation on Toll-like receptors and cytokines expression in peripheral blood mononuclear cells and lesional skin of dogs with generalized demodicosis
- Studies on the ameliorative potential of a polyherbal formulation on the expression of skin barrier proteins and cytokines in dogs with atopic dermatitis
- Evaluation of the therapeutic potential of certain homoeopathic preparations in canine atopic dermatitis
- Studies on add-on effects of a polyherbal formulation on clinical recovery and immuno-competence of dogs with demodicosis
- Studies on the effects of prepartum supplementation of ammonium chloride along with immunomodulators on metabolomics and immunodynamics of periparturient indigenous cows
- Effects of prepartum supplementation of antioxidants and anionic salt on metabolic and oxidative status of transition *Sahiwal* cattle
- Metabolic profiling of cattle and buffaloes suffering from mastitis and its management using adjunctive remedial

### **PROJECTS COMPLETED/ONGOING**

- **Principal Investigator** of an institutionally funded ongoing project entitled “Studies on Effects of Prepartal Nutritional Supplements on Production Diseases of Indigenous Transition Cows” (INR 1.50 Lakhs)
- **Resource Person** of an externally funded ongoing project entitled “Imparting Scientific Knowledge of Animal Rearing for Better Production through Technology Transfer to Livestock Owner”. Funded by UPKAR (INR 14.812 Lakhs)
- **Associated Scientist** of an outreach programme on “Ethno Veterinary Medicine” funded by ICAR, New Delhi
- **Co-Pi** of an RKVY; Uttar Pradesh funded a project on “Strengthening of clinical diagnostic and therapeutic facilities at the university hospital for benefits of farmers and livestock owners. (INR 223.20 Lakhs)

## **PROFESSIONAL MEMBERSHIPS**

- Member of Executive Council (Central Region Secretary) of Indian Society for Veterinary Medicine (ISVM).
- Life member – Indian Society for veterinary medicine (ISVM).
- Life member – Indian Society for Advanced Canine Practice (ISACP).
- Life member – Indian Science Congress.
- Registered member – Bihar Veterinary Council (BVC).
- Editorial member of International Journal of Veterinary Science and Research
- Editorial member of World Journal of Veterinary Science
- Editorial member of Journal of Veterinary Research and Animal Husbandry
- Associate Editor of International Journal of Parasitology Research
- Editorial member of “EC Veterinary Science Journal”
- Editorial member of “EC Pharmacology and Toxicology”
- Editorial member of Pashudhan Patrika of DUVASU
- Committee member of International Conference of IAVMI-2014, organized at DUVASU, Mathura (UP), India.
- Committee member of National Conference of ISSAR-2014 organized at DUVASU, Mathura (UP), India.
- Organizing member of 2<sup>nd</sup> Annual Meeting of Society of Veterinary Science and Biotechnology (SVSB)-2014, organized at DUVASU, Mathura (UP), India.
- Program Committee Member (Referee) of 2<sup>nd</sup> *Annual International Conference on Advances in Veterinary Science Research (VETSCI 2014)* organized by Global Science and Technology Forum in Singapore.

## **SCIENTIFIC JOURNALS REFEREE**

- Parasite Immunology
- BMC Veterinary Research
- Parasites & Vector
- Veterinary Parasitology
- Veterinary Immunology and Immunopathology
- Parasitology
- Livestock Science
- Veterinary Dermatology
- Phytotherapy Research
- Small Ruminant Research
- Veterinary Parasitology: Regional Studies and Reports
- Journal of Immunology and Immunotherapy
- Indian Journal of Animal Sciences
- World Journal of Veterinary Science

- Research Opinion in Veterinary Science
- Journal of Parasitic Diseases
- Iranian Journal of Pharmacology and Therapeutics
- Iranian Journal of Veterinary Research
- Haryana Journal of Field Veterinarian
- National Journal of Integrated Research in Medicine
- International Journal of Parasitology Research
- Proceedings of the National Academy of Sciences B: Biological Science
- Veterinary World

### **HONOURS AND AWARDS**

- Awarded ‘Outstanding Contribution in Reviewing’ for Veterinary Parasitology(Elsevier Journal)-2018
- Elected Member of Executive Council (Central Region Secretary) of Indian Society for Veterinary Medicine (ISVM)-2018
- Mock Evaluator of Uttar Pradesh for National Mission of World Organization for Animal Health (OIE) for evaluation of Performance of Veterinary Services
- Patent filed: One of the applicants of a patent filed entitled “Novel herbal capsule (Pyodermacare-G) for treatment of bacterial and mycotic dermatitis in canines”
- Co-chairman for a Scientific Session of 37<sup>th</sup> Annual Convention of ISVM held during 01-03 February 2019 at RAJUVAS, Bikaner.
- Awarded “Best Oral Presentation Award (1<sup>st</sup>)” in “Complementary and Alternative Medicine” session of 37<sup>th</sup> Annual Convention of ISVM held during 01-03 February 2019 at RAJUVAS, Bikaner.
- Rapporteur for a Scientific Session of 36<sup>th</sup> Annual Convention and National Symposium of ISVM held during 01-03 February 2018 at Bhubaneswar.
- Awarded “Best Oral Presentation Award (1<sup>st</sup>)” in “Companion Animals Infectious Diseases” technical session of 36<sup>th</sup> Annual Convention and National Symposium of ISVM-2018 at Bhubaneswar.
- Awarded “Best Poster Presentation Award (2<sup>nd</sup>)” in Wild, Zoo & Exotic Animals Medicine” technical session of 36<sup>th</sup> Annual Convention and National Symposium of ISVM-2018 at Bhubaneswar.
- Awarded “Best Oral Presentation Award (2<sup>nd</sup>)” in 35<sup>th</sup> Annual Convention of ISVM and National Symposium (2017)
- Awarded “Best Oral Presentation Award (3<sup>rd</sup>)” in 35<sup>th</sup> Annual Convention of ISVM and National Symposium (2017)
- Awarded “Best Poster Award (3<sup>rd</sup>)” in 34<sup>th</sup> Annual Convention of ISVM and National Symposium (2016)
- Awarded “Best Poster Award (3<sup>rd</sup>)” in 32<sup>nd</sup> Annual Convention of ISVM and International Symposium (2014)
- Awarded “Best Poster award (2<sup>nd</sup>)” in XXVII IAVMI Annual Convention (2013)
- Commendation letter for Outstanding Participant in 21 days summer school training organized at GADVSU-2013
- Best Student Award for PhD (2013) (IVRI Bronze Medal for PhD)

- Vice-chancellor's appreciation letter (2013)
- Rapporteur in 31<sup>st</sup> Annual Convention of ISVM (2013)
- Best clinical article ISVM award (2009)
- Senior Research Fellowship, ICAR, (2007)
- Merit Scholarship for PhD (2007)
- Junior Research Fellowship, ICAR, (2005)

### SUCCESS OF STUDENT (AS MAJOR GUIDE)

MVSc students have joined the Government Sectors

- Dr. Deepak Sharma, Veterinary Officer Rajasthan Gov.
- Dr. Krishna Veer Singh, Veterinary Officer Uttar Pradesh Gov.
- Dr. Brajesh K Yadav, Veterinary Officer Uttar Pradesh Gov.
- Dr. Vivek Kumar Singh, Assistant Professor, BASU, Patna, Bihar.

MVSc students have qualified ASRB NET examination

- Dr. Deepak Sharma
- Dr. Alok Singh
- Dr. Vivek Kumar Singh

### Concepts/Process

- (1.) **Concept** of association of TLRs in host-parasite interplay during the canine demodicosis was documented by Kumari et al. (2018) for the first time (Kumari P, Nigam R, Choudhury S, Singh SK, Yadav B, Kumar D, Garg SK. 2018. *Demodex canis* targets TLRs to evade host immunity and induce canine demodicosis. *Parasite Immunology* 40(3). e.12509. doi: 10.1111/pim.12509.) This published report has been cited in an international esteemed book of Dermatology namely "Plewig and Kligman's Acne and Rosacea. 2019. In Demodex Mites and Demodicosis. Springer, Cham., p 573-594. Additionally, this scientific report has also been cited in **09** referred research publications.
- (2.) **Concept** of T-cells response (CD4+ and CD8+ T cells regulation) in pathogenesis of canine demodicosis was documented by Singh et al. (2010) for the first time (Singh S K, Dimri U, Sharma M C, Sharma B and Saxena M. 2010. Determination of CD4+ and CD8+ T cells in the peripheral blood of dogs with demodicosis. *Parasitology* 137: 1921–1924.) This published report has been cited in an international esteemed **book** of Veterinary Dermatology namely "**Muller and Kirk's Small Animal Dermatology**" (Miller WH, Griffin CE and Campbell K L. **2013**. Parasitic skin diseases. In: *Muller and Kirk's Small Animal Dermatology*, **7th edition**. Philadelphia, PA: W.B. Saunders Co., p 284-342.). Additionally, this scientific report has also been cited in **33** referred research publications.
- (3.) **Concept** of development of a novel therapeutic approach having glucocorticoids sparing potential for management of canine atopic dermatitis was documented by **Singh et al. (2010)** for the first time by using pentoxifylline and PUFAs (Singh

S K, Dimri U, Saxena S K and Jadhav R K. 2010. Therapeutic Management of canine atopic dermatitis by combination of pentoxifylline and PUFAs. *Journal of Veterinary Pharmacology and Therapeutics* 33: 495–498). This published report has been cited in an international esteemed **book** of Veterinary Science namely “**Veterinary Allergy**” (Mueller R S. **2014**. Non conventional treatments: In Noli C, Wayne A F and Rantz R; *Veterinary Allergy*, WILLEY BLACKWELL, p 96-100). This published report is also cited in another international esteemed **book** of Veterinary Science namely “**Kirk's Current Veterinary Therapy XV**” (John D. Bonagura, David C. Twedt, **2013**. Canine atopic dermatitis, Elsevier Health Sciences). This report is also cited in **Proceeding of the Seventh World Congress of Veterinary Dermatology** in “**Advances in Veterinary Dermatology**” (Rosenkrantz WS and Meldelsohn CL. **2013**. Refractory Atopic Dermatitis: In Sheila M F T, Linda A F and Ann M H; *Advances In Veterinary Dermatology*, **vol 7**: WILLEY BLACKWELL, Chapter 8.8.). Additionally, this report has also been cited in **24** referred research publications.

(4.) **Concept** of over production of reactive oxygen species and hastened apoptosis of peripheral blood leukocytes in pathogenesis of canine sarcoptic mange was revealed by **Singh et al. (2011)** for the first time (Singh S K, Dimri U, Sharma M C, Swarup D and Sharma B. 2011. Determination of oxidative status and apoptosis in peripheral blood of dogs with sarcoptic mange. *Veterinary Parasitology* 178: 330-338.). This published report has been cited in an internationally esteemed book namely “**Intracellular Membranes—Advances in Research and Application: 2012 Edition**” (Acton A. **2012**. In: *Intracellular Membranes—Advances in Research and Application*. Scholarly Editions, Atlanta, Georgia). Additionally, this report has also been cited in **22** referred research publications.

(5.) **Concept** of increased apoptosis of leukocytes in immuno-pathogenesis of canine demodicosis was documented by Singh et al. (2011) for the first time (Singh SK, Dimri U, Sharma MC, Swarup D, Sharma B, Pandey HO, Kumari P. 2011. The role of apoptosis in immunosuppression of dogs with demodicosis. *Vet Immunol Immunopathol.*, 144: 487– 492.) This published report has been cited in an international esteemed book “**6<sup>th</sup> edition of Jubb, Kennedy, and Palmer's Pathology of Domestic Animals**” by Maxie MG; Edinburgh; New York: Elsevier Saunders pp, 628, e1). Additionally, this scientific report has also been cited in **21** referred research publications.

#### **Methodology:**

Developed new method to detect *Demodex* mites in dogs “**Singh SK. 2019**. Superglue Slide Impression (SSI) method: A novel diagnostic application for canine demodicosis. *Experimental and Applied Acarology*. 79(3-4):387-393.

#### **Book Published:**

A Textbook as per VCI syllabus for B.V.Sc & AH course “**A Text Book of Veterinary Medicine: Production, Metabolic and Deficiency Diseases**” Kalyani Publisher, New Delhi-2020

## PUBLICATIONS

Total Citations : **574**                      h-index : **14**    i10-index : **17**  
Total NAAS Score : **347**

1. **Singh SK**. 2019. Superglue Slide Impression (SSI) method: A novel diagnostic application for canine demodicosis. *Experimental and Applied Acarology*. 79(3-4):387-393. **7.76**
2. Singh A, Kumari P, **Singh SK**, Soman SP, *Choudhury S*, Srivatava A, Nigam R, Garg SK. 2019. Pre- and post-therapy circulating immuno-stimulatory and immuno-suppressive cytokines in dogs with juvenile-onset generalized demodicosis. *Veterinary Parasitology* 275 : 108954. **8.01**
3. Chaudhary SK, **Singh SK**, Kumari P, Kanwal S, Soman SP, *Choudhury S*, Garg SK. 2019. Alterations in circulating concentrations of IL-17, IL-31 and total IgE in dogs with atopic dermatitis. *Veterinary Dermatology*. 30: 383–e114. **7.80**
4. Yadav BK, Singh VK, **Singh SK**. 2019. Lipid mobilization and serum metabolites dynamics of Sahiwal cows during the transition period. *Biological Rhythm Research*. <https://doi.org/10.1080/09291016.2019.1629094>. **6.77**
5. Singh VK, **Singh SK**, Tripathi AK, Nakade UP, Choudhury S, Yadav B, Garg SK. 2019. Evaluation of immuno-regulatory cytokines and negative energy balance markers drift of zebu cows during the transition period. *Biological Rhythm Research*. 1-7; doi.org/10.1080/09291016.2019.1583505 **6.77**
6. **Singh SK**, Singh VK, Ram PK, Yadav BK, Nakade UP. 2018. Assessment of non-corpusecular markers of protein oxidation, lipid peroxidation and antioxidant status of calves with natural tropical theileriosis. *Indian J. Vet. Med.* 38 (1&2), 60-63. **3.53**
7. Varshney JP, Kumar G, **Singh SK**. 2018. Evaluation of promising biochemical markers of nutritional osteodystrophy in goats. *Small Ruminant Research* 169, 86-89. **7.21**
8. Gupta KK, Srivastava M, Sudan V, **Singh SK**, Choudhury S, Shanker D. 2018. Variation in cardiac markers and electrocardiographic alterations in young calves naturally infected with bovine tropical theileriosis. *Tropical Animal Health and Production* 50(6): 1227-1230. **7.09**
9. Kesharwani PK, Kumar V\*, Roy D, Kumar M, **Singh SK**, Kushwaha R, Vaswani S. 2018. Effect of feeding sugarcane molasses based distilleries raw spent wash on growth performance, nutrient utilization and blood biochemical parameters in heifers. *Indian Journal of Animal Nutrition*, 35(1): 22-30. **5.02**
10. **Singh SK**, Singh VK, Kumari P, Nakade UP, Garg SK. 2018. Trypanosoma **8.02**



- evansi induces detrimental immuno-catabolic alterations and condition like type-2 diabetes in buffaloes. *Parasitology International* 67 (2): 140-143.
11. Kumari P, Nigam R, Choudhury S, **Singh SK**, Yadav B, Kumar D, Garg SK. 2018. *Demodex canis* targets TLRs to evade host immunity and induce canine demodicosis. *Parasite Immunology* 40(3).e. 12509. doi: 10.1111/pim.12509. 8.76
  12. Ajith Y, Dimri U, Dixit SK, **Singh SK**, Gopalakrishnan A, Madhesh E, Rajesh JB, Sangeetha SG. 2017. Immunomodulatory basis of antioxidant therapy and its future prospects: An appraisal. *Inflammopharmacology* 25(5): 487-498. 9.84
  13. Kumari P, Nigam R, Singh A, Nakade UP, Sharma A, Garg SK, **Singh SK**. 2017. *Demodex canis* regulates cholinergic system mediated immunosuppressive pathways in canine demodicosis. *Parasitology* 144(10):1412-1416. 8.46
  14. Singh KV, Sharma D, **Singh SK**, Srivastava M, Garg SK and Yadav BK. 2017. Assessment of alteration in metabolic profile and milk composition of buffaloes with subclinical mastitis. *Buffalo Bulletin* 36(2): 295-302. 6.10
  15. Tiwari R, **Singh SK**, Choudhury S, Garg SK. 2017. Antifungal activity of *Eucalyptus citriodora* and *Saraca indica* leaves methanolic extracts against fungal isolates from dermatological disorders in canines. *International Journal of Pharmacology* 13:643-648. 6.75
  16. Ajith Y, Dimri U, **Singh SK**, Gopalakrishnan A, Devi G, Verma MR, Joshi V, Alam S. 2017. Lice induced immuno-oxidative wreckage of goats. *Veterinary Parasitology* 242: 24-30. 8.01
  17. Kumar J, Swain DK, **Singh SK**, Sirohi R, Dang AK. 2017. Molecular insights into the neutrophils activation in zebu cattle during seasonal variation. *Biological Rhythm Research*, 48 (4): 567-575. 6.77
  18. Swain DK, Yadav S, **Singh SK**. 2017. Effect of four different in vitro incubation temperatures on functional dynamics, process of capacitation and apoptosis in goat spermatozoa. *Small Ruminant Research* 147, 120–124. 7.29
  19. Swain DK, Kumar J, Yadav S, **Singh SK**, Singh Y, Dang AK. 2017. The functional dynamics of neutrophils during different seasons in zebu cattle. *Biological Rhythm Research* 48 (2): 227–237. 6.77
  20. Yadav BK, **Singh SK**, Nakade UP, Singh VK, Sharma A, Srivastava M, Yadav B, Singh Y, Sirohi R, Garg SK. 2017. Ameliorative potential of prepartal trace minerals and vitamins supplementation on parturition-induced redox balance and myeloperoxidase activity of periparturient Sahiwal cows. *Biological Trace Element Research* 177: 72–79. 8.43
  21. Singh S, Kumar M, Kumar V, Roy D, Kushwaha R, Vaswani S, Singh Y, **Singh SK**. 2016. Evaluation of molasses based biomethanated distillery spent wash as an alternative feed for growing cattle. *Indian Journal of Animal Nutrition* 33 (4): 388-393. 5.02
  22. Tiwari R\*, Yadav SK, **Singh SK**. 2016. Methicillin Resistant *Staphylococcus aureus* isolated from wounds of livestock and companion animals of U.P. India: A Preliminary Study. *International Journal of Pharmacology* 12(8): 821-829. 6.75
  23. Singh RK, Tripathi AK, **Singh SK**, Singh AP, Yadav SC. 2016. Seroprevalence epidemiological studies on equine trypanosomosis using Ab- 6.23

- ELISA in a part of semi-arid zone of northern plains of India. Indian journal of animal sciences 87(7): 743-745.
24. **Singh SK**, Singh VK, Yadav BK, Nakade UP, Kumari P, Srivastava MK, Sharma A, Choudhary S, Swain D, Garg SK. 2016. Potential association of reduced cholinesterase activity with *Trypanosoma evansi* pathogenesis in buffaloes. *Veterinary Parasitology* 225: 29–32. **8.01**
  25. Ratta B, Pokhriyal M, **Singh SK**, Kumar A, Saxena M, Sharma B. 2016. **7.60** Detection of Peste des petits ruminants virus (PPRV) genome from nasal swabs of dogs. *Current Microbiology* 73, 99–103.
  26. Verma AK, **Singh SK**. 2016. Control and therapeutic management of bovine tropical theileriosis in crossbred cattle. *Journal of Parasitic Diseases* 40(1), 208-210. \*
  27. Sudan V, **Singh SK**, Jaiswal AK, Parashar R, Shanker D. 2015. First molecular evidence of the transplacental transmission of *Theileria annulata*. *Tropical animal health and production* 47(6), 1-3. **7.09**
  28. Gangwar C, Kumar R, Singh SP, **Singh SK**, Srivastava MK, Saxena A. 2015. **6.23** Serum metabolites and macro mineral profile of prepartum buffaloes affected with cervico-vaginal prolapse. *Indian Journal of Animal Sciences* 85 (6): 575–577.
  29. Verma AK, Kumar A, **Singh SK**, Rahal A, Ahmed I, Singh D, Singh AP, Singh L. 2015. Prevalence and resistance to antimicrobial agents of *Campylobacter* sp. isolated from dogs in India. *Journal of Biological Sciences*. 14(2): 142-148. \*
  30. **Singh SK**, Sudan V, Sachan P and Srivastava A. 2015. Salvage of *Theileria* infected calves with clinical manifestation of exophthalmia. *Journal of Parasitic Diseases* 39 (3): 448-451. \*
  31. Tiwari R, Yadav SK, **Singh S**, Gangwar NK. 2015. Bacterial Etiology Of Skin And Wound Infections Along With Antibigram Profiling In Reference To Emerging Antibiotic Resistance In Animals. *Advances in Animal and Veterinary Sciences* 3(5):259-268. **4.04**
  32. **Singh SK**, Dimri U, Sharma MC, Sharma B, Saxena M and Kumari P. 2014. **8.01** Assessment of the cytokine profile in peripheral blood mononuclear cells of naturally *Sarcoptes scabiei* var. *canis* infested dogs. *Veterinary Parasitology* 206: 253-257.
  33. Dimri U, Bandyopadhyay S, **Singh SK**, Ranjan R, Mukherjee R, Yattoo MI, Patra PH, De UK and Dar AA. 2014. Assay of alterations in oxidative stress markers in pigs naturally infested with *Sarcoptes scabiei* var. *suis*. *Veterinary Parasitology* 205(1-2): 295-299. **8.01**
  34. **Singh SK** and Dimri U. 2014. The immuno-pathological conversions of canine demodicosis. *Veterinary Parasitology* 203(1-2): 1-5. **8.01**
  35. Sharma D, **Singh SK**, Srivastava MK, Sachan P, Srivastava A, Singh AP. **6.23** 2014. Evaluation of metabolic status and milk compositions of indigenous cattle with subclinical mastitis and its amelioration by nutritional supplementations. *Indian Journal of Animal Sciences* 84(8): 846–850.
  36. **Singh SK**, Sudan V, Singh AP, Yadav BK. 2014. Evaluation of Clinical Markers for Diagnosis of Bovine Theileriosis-A Study of 21 Calves. *Intas Polivet* 15(2): 91-95. **4.79**

37. Verma AK, Kumar A, **Singh SK**, Rahal A, Ahmad I, Singh D, Singh A P and Singh L. 2014. Prevalence and Resistance to Antimicrobial Agents of *Campylobacter* sp. Isolated from Dogs in India. *Journal of Biological Sciences* 14(2): 142-148. \*
38. Kumari P, **Singh SK**, Dimri U, Kataria M and Ahlawat S. 2014. Immunostimulatory activities of *Withania somnifera* root extract in dexamethasone induced immunocompromised mice and in vitro model. *Asian Journal of Complementary and Alternative Medicine* 2(2): 6-10. \*
39. Dimri U, Sharma MC, **Singh SK**, Kumar P, Jhambh R, Singh B, Bandhyopadhyay S and Verma MR. 2013. Amelioration of altered oxidant/antioxidant balance of Indian water buffaloes with subclinical mastitis by vitamins A, D3, E, and H supplementation. *Tropical Animal Health and Production* 45(4), 971-978. **7.09**
40. **Singh SK** and Dimri U. 2013. Amelioration of sarcoptic mange-induced oxidative stress and apoptosis in dogs by using *Calendula officinalis* flower extracts. *ISRN Oxidative Medicine*. <http://dx.doi.org/10.1155/2013/657672> \*
41. **Singh SK**, Dimri U, Ahmed QS, Sayedda K and Singh KV. 2013. Efficacy of doramectin in *Trixacarus caviae* infestation in guinea pigs (*Cavia porcellus*). *Journal of Parasitic Disease* 37(1):148-150. \*
42. Mahima, Singh KV, Verma AK, Kumar V, **Singh SK** and Roy D. 2013. Hematological and serum biochemical profile of apparently healthy Haryana cattle heifers in Northern India. *Pakistan Journal of Biological Sciences* 16(21): 1423-1425. \*
43. Singh D, Verma AK, Kumar A, Srivastava M, **Singh SK**, Tripathi AK, Srivastava A and Ahmed I. 2013. Detection of canine parvo virus by polymerase chain reaction assay and its prevalence in dogs in and around Mathura, Uttar Pradesh, India. *American Journal of Biochemistry and Molecular Biology* 3(2): 264-270. \*
44. **Singh SK**, Dimri U, Sharma MC, Swarup D, Kumar M and Tiwari R. 2012. *Psoroptes cuniculi* induced oxidative imbalance in rabbits and its alleviation by using vitamins A, D3, E, and H as adjunctive remedial. *Tropical Animal Health and Production* 44, 43-48. **7.09**
45. Dimri U, **Singh SK**, Sharma MC, Behera SK, Kumar D and Tiwari P. 2012. Oxidant/antioxidant balance, minerals status and apoptosis in peripheral blood of dogs naturally infected with *Dirofilaria immitis*. *Research in Veterinary Science* 93: 286-299. **7.75**
46. Kumar M, Mishra KK, Gurav A, Vijayakumar H, **Singh SK** and Mondal D B. 2012. Therapeutic management of ivermectin toxicosis in a dog- A case report. *Indian Journal of Veterinary Medicine* 32(1): 56-57. **3.53**
47. Jadhav RK, **Singh SK**, Dar AA, Tiwari R and Sharma MC. 2012. Immune mediated musculoskeletal disorders of dogs: an overview. *Journal of Advanced Veterinary Research* 2: 59-67. \*
48. Kumar A, Dar AA, **Singh SK**, Ansari AA and Dey S. 2012. Tail chasing in a German shepherd dog: a compulsive obsessive disorder. *Indian Journal of Veterinary Medicine* 32(1), 52-53. **3.53**
49. **Singh SK**, Dimri U, Sharma MC, Swarup D and Sharma B. 2011. **8.01**

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**Cumulative NAAS Score 347**