**Curriculum Vitae**

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| **Shanker Pic** |

**Name :** Dr. Shanker Kumar Singh

**Gender :** Male

**Designation :** Senior 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

**ORCID ID :** [0000-0002-0326-4226](http://orcid.org/0000-0002-0326-4226)

**WORK EXPERIENCE**

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

* Teaching veterinary medicine to undergraduate, graduate, and doctoral students.
* Major research advisor for post-graduate and doctoral students.
* Conducting research in veterinary dermatology, vector-borne diseases of animals, host-parasite interactions, parasitic disease immunopathology, and livestock production diseases.
* Team member to investigate various animal disease outbreaks in the state and country.
* Offering veterinary medical services to livestock, pets, and wildlife brought to the university hospital who are clinically ill.
* Educating farmers, owners of livestock, and veterinary specialists.
* Taking part in various activities assigned by the university for national programmes, 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 subject:Veterinary Medicine

Minor subjects:Veterinary Immunology and Animal Biochemistry

**Thesis project:** 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 subject:Veterinary Medicine

Minor subject:Animal Biochemistry

**Thesis project:** *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**

**13/05/2020 - 24/06/2020** 6 weeks Online Training on “Comprehensive disaster risk management framework”

* National institute of disaster management (NIDM), Ministry of Home Affairs , Government of India, New Delhi in collaboration with the World Bank (GFDRR), Washington

**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 16 years (including research during post-graduation and doctoral degree)
* Major Research Advisor of one PhD and Nine MVSc students

**Students Research Projects**

* Evaluation of therapeutic effects of chewable fluralaner against canine sarcoptic mange
* 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

**Number of Student Guided as Major Advisor**

**MVSc**  : Ten

**PhD**  : One

**PROJECTS COMPLETED/ONGOING**

* **Principal Investigator**of an extramural ongoing project entitled “**Clinical** **Evaluation of Some Homeopathic Medicines against Mites Induced Dermatitis in Dogs”** funded by Central Council for Research in Homeopathy (Under Deptt. of AYUSH, Ministry of Health and Family Welfare, Govt. of India) (INR 27.47 Lakhs)
* **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**ofan outreach programme on “Ethno Veterinary Medicine” funded by ICAR, New Delhi
* **Co-Pi** of 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)
* **Co-Pi** of RKVY-RAFTAAR, Uttar Pradesh funded a project on “Capacity Building & Entrepreneur Development of Farming Community through Establishment of Community Radio Station”. (INR 98.57Lakhs)

**PROFESSIONAL MEMBERSHIPS**

* Member of National Academy of Veterinary Science (NAVS), New Delhi.
* 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"d Annual Meeting of Society of Veterinary Science and Biotechnology (SVSB)-2014, organized at DUVASU, Mathura (UP), India.
* Program Committee Member (Referee) of 2nd *Annual International Conference* on Advances in Veterinary Science Research (VETSCI 2014) organized by Global Science and Technology Forum in Singapore.

**SCIENTIFIC JOURNALS REFEREE**

* Frontiers In Veterinary Science
* Frontiers In Immunology
* Frontiers In Pharmacology
* Experimental Parasitology
* Veterinary Quarterly
* Acta Veterinaria Eurasia
* Experimental and Applied Acarology
* Acta Parasitologica
* Topics in Companion Animal Medicine
* Veterinary Medicine and Science
* Molecular and Biochemical Parasitology
* 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 Membership of National Academy of Veterinary Science, New Delhi -2020
* 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 37th Annual Convention of ISVM held during 01-03 February 2019 at RAJUVAS, Bikaner.
* Awarded “Best Oral Presentation Award (1st)” in National Symposium and XIV Biennial Conference of Association of Public Health Veterinarians on “Public health challenge mitigation strategies at the confluence of One Health Approaches” held during 24-25 January 2020 at DUVASU, Mathura.
* Awarded “Best Oral Presentation Award (1st)” in “Complementary and Alternative Medicine” session of 37th Annual Convention of ISVM held during 01-03 February 2019 at RAJUVAS, Bikaner.
* Rapporteur for a Scientific Session of 36th Annual Convention and National Symposium of ISVM held during 01-03 February 2018 at Bhubaneswar.
* Awarded “Best Oral Presentation Award (1st)” in “Companion Animals Infectious Diseases” technical session of 36th Annual Convention and National Symposium of ISVM-2018 at Bhubaneswar.
* Awarded “Best Poster Presentation Award (2nd)” in Wild, Zoo & Exotic Animals Medicine” technical session of 36th Annual Convention and National Symposium of ISVM-2018 at Bhubaneswar.
* Awarded “Best Oral Presentation Award (2nd)” in 35th Annual Convention of ISVM and National Symposium (2017)
* Awarded “Best Oral Presentation Award (3rd)” in 35th Annual Convention of ISVM and National Symposium (2017)
* Awarded “Best Poster Award (3rd)” in 34th Annual Convention of ISVM and National Symposium (2016)
* Awarded “Best Poster Award (3rd)” in 32nd Annual Convention of ISVM and International Symposium (2014)
* Awarded “Best Poster award (2nd)” 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 31st 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 **14** 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 CampbellK 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 **37** 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 esteemedbook 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 esteemedbook 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 **27** 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 **27** 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 **“6th 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 **30** 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 : **898** h-index :**18** i10-index : **27**

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| 1. Singh SK, Jaiswal AK, Kumari S, Gaur RS, Sharma P, Khushboo R, Jaiswal M. 2022. Therapeutic effects of oral fluralaner in pet rabbits with severe sarcoptic mange (*Sarcoptes scabiei*). Veterinary Parasitology. 304:109693. doi: 10.1016/j.vetpar.2022.109693. |
| 1. Kumar, S., Paliwal, S., Sudan, V. Shanker D., Singh SK*.* An endpoint visualization loop-mediated isothermal amplification (LAMP) for detecting bubaline theileriosis. *Beni-Suef Univ J Basic Appl Sci* 11,67. https://doi.org/10.1186/s43088-022-00251-x |
| 1. Ram, PK, Singh, SK, Sudan, V. 2021. The phenotypic and haemato-biochemical appraisal of tropical theileriosis in newborn calves. *Tropical Animal Health and Production,* 53, 477. https://doi.org/10.1007/s11250-021-02889-8 |
| 1. Kanwal S, Singh SK, Soman SP, Choudhury S, Kumari P, Ram PK, Garg SK. 2021. Expression of barrier proteins in the skin lesions and inflammatory cytokines in peripheral blood mononuclear cells of atopic dogs. *Scientific Reports* 11, 11418. https://doi.org/10.1038/s41598-021-90992-z |
| 1. Yadav BK, Singh VK, Singh SK. 2021. Lipid mobilization and serum metabolites dynamics of Sahiwal cows during the transition period. Biological Rhythm Research, 52(9), 1364-1371. |
| 1. Gaur RS, Shanker D, Sudan V, Singh S, Jadaun A. 2021. Associative Diversity of ITS 1 gene in Different *Trypanosoma evansi* Isolates of Equine Origin from Semi Arid India. Journal of Animal Research, 4(11), 755-760. |
| 1. Kumar S, Sudan V, Singh S, Shanker D, Devi A, Gaur RS. 2021. Equi merozoite antigen 1 (ema 1) gene based phylogenetic characterization of *Theileria equi* from Mathura, India. Journal of Veterinary Prarasitology, 35(2), 108-113. |
| 1. Ram PK, Singh SK, Srivastava A, Kumar G, Jaiswal AK, Yadav B, SK Garg. 2021. Effects of Injectable Trace Minerals (ITMs) on Th1/Th2 Cytokine Balance of Newborn Calves with Tropical Theileriosis. *Biological Trace Element Research* 199 (4), 1397-1404. |
| 1. Singh VK, Singh SK, Tripathi AK, Nakade UP, Choudhury S, Yadav B, Garg SK. 2021. Evaluation of immuno-regulatory cytokines and negative energy balance markers drift of zebu cows during the transition period. Biological Rhythm Research 52 (2), 199-205. |
| 1. Gaur RS, Shanker D, Sudan V, Paliwal S, Singh S, Jadaun A. 2021.  Associative Genetic Diversity of RoTat 1.2 VSG in Different *Trypanosoma evansi* Isolates. *Acta Parasitologica* **66,**199–204. |
| 1. Ram PK, Singh SK, Kumari P, Srivastava M, Sudan V, Pandey RP, Garg SK. 2020. Role of cytokines in the clinical manifestation of exophthalmia in newborn calves with tropical theileriosis. *Parasite Immunology* 42 (10), e12761. |
| 1. Singh SK, Singh VK, Yadav BK, Singh RK. 2020. Canine trypanosomiasis requires repeated administration of diminazene aceturate. *Indian Journal of Veterinary Medicine*, 40(1), 11-15. |
| 1. Soman SP, **Singh SK**, Kumari P, Choudhury C, Singh A, Kanwal S, Khushboo R, Garg SK. **2020**. Quantification of immuno-regulatory cytokine and toll-like receptors gene expression in dogs with generalized demodicosis. Veterinary Parasitology 280: 109063. |
| 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. |
| 1. 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 demodecosis. Veterinary Parasitology 275 : 108954. |
| 1. 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. |
| 1. **Singh SK**, Singh VK, Ram PK, Yadav BK, Nakade UP. 2018. Assessment of non-corpuscular markers of protein oxidation, lipid peroxidation and antioxidant status of calves with natural tropical theileriosis. Indian J. Vet. Med. 38 (1&2), 60-63. |
| 1. Varshney JP, Kumar G, **Singh SK**. 2018. Evaluation of promising biochemical markers of nutritional osteodystrophy in goats. Small Ruminant Research 169, 86-89. |
| 1. 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. |
| 1. 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. |
| 1. **Singh SK**, Singh VK, Kumari P, Nakade UP, Garg SK. 2018. Trypanosoma evansi induces detrimental immuno-catabolic alterations and condition like type-2 diabetes in buffaloes. Parasitology International 67 (2): 140-143. |
| 1. 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. |
| 1. 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. |
| 1. 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. |
| 1. 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. |
| 1. 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. |
| 1. 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. |
| 1. 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. |
| 1. 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. |
| 1. 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. |
| 1. 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. |
| 1. 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. |
| 1. 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. |
| 1. Singh RK, Tripathi AK, **Singh SK**, Singh AP, Yadav SC. 2016. Seroprevalence epidemiological studies on equine trypanosomosis using Ab-ELISA in a part of semi-arid zone of northern plains of India. Indian journal of animal sciences 87(7): 743-745. |
| 1. **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. |
| 1. Ratta B, Pokhriyal M , **Singh SK**, Kumar A , Saxena M, Sharma B. 2016. Detection of Peste des petits ruminants virus (PPRV) genome from nasal swabs of dogs. Current Microbiology 73, 99–103. |
| 1. Verma AK, **Singh SK**. 2016. [Control and therapeutic management of bovine tropical theileriosis in crossbred cattle](https://www.researchgate.net/publication/261711868_Control_and_therapeutic_management_of_bovine_tropical_theileriosis_in_crossbred_cattle?ev=prf_pub). Journal of Parasitic Diseases 40(1), 208-210. |
| 1. 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. |
| 1. Gangwar C, Kumar R, Singh SP, **Singh SK**, Srivastava MK, Saxena A. 2015. Serum metabolites and macro mineral profile of prepartum buffaloes affected with cervico-vaginal prolapse. Indian Journal of Animal Sciences 85 (6): 575–577. |
| 1. 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. |
| 1. **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. |
| 1. Tiwari R, Yadav SK, **Singh S**, Gangwar NK. 2015. [Bacterial Etiology Of Skin And Wound Infections Along With Antibiogram Profiling In Reference To Emerging Antibiotic Resistance In Animals](https://www.researchgate.net/publication/272891987_Bacterial_Etiology_of_Skin_and_Wound_infections_along_with_Antibiogram_profiling_in_reference_to_Emerging_Antibiotic_Resistance_in_Animals?ev=prf_pub). Advances in Animal and Veterinary Sciences 3(5):259-268. |
| 1. **Singh SK**, Dimri U, Sharma MC, Sharma B, Saxena M and Kumari P. 2014. Assessment of the cytokine profile in peripheral blood mononuclear cells of naturally Sarcoptes scabiei var. canis infested dogs. Veterinary Parasitology 206: 253-257. |
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