

Bio Data



Name : **DR. RAJVEER SINGH PAWAIYA**
Father's name : Late Shri Inder Singh Pawaiya
Date of Birth : June 8, 1965
Designation : Principal Scientist (Veterinary Pathology) [ARS, ICAR, MoA, GOI]
Present Address : Principal Scientist (Vet. Pathology),
Division of Animal Health,
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Educational qualification :

Degree/Certificate	Subjects studied	University/ Institute/ Board	Year
Higher Secondary Board Certificate	Hindi, English, Physics, Chemistry, Biology	Board of Secondary Education, Madhya Pradesh, Bhopal	1981
B.Sc. I	English, Physics, Chemistry, Botany, Zoology	Jiwaji University, Gwalior, M.P.	1983
B.V.Sc. & A.H.	Veterinary Science and Animal Husbandry	Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, M.P.	1990
M.V.Sc.	Major: Veterinary Pathology Minor: Veterinary Bacteriology and Mycology	Deemed University, Indian Veterinary Research Institute, Izatnagar, U.P.	1993
Ph.D.	Major: Veterinary Pathology Minors: 1. Animal Biotechnology 2. Veterinary Immunology	Deemed University, Indian Veterinary Research Institute, Izatnagar, U.P.	2004
Post-Doctoral Fellowship	Molecular pathology of canine tumours	School of Veterinary Medicine, Saint George's University, Grenada (WI)	2010-11

Nature of work: Research, Teaching & Extension

- ☛ To conduct **RESEARCH** (applied/basic) in the areas of Livestock (goat and sheep) diseases of National Importance.
- ☛ To carry out **disease diagnosis/ investigations** and sero-surveillance of livestock, especially goat diseases.
- ☛ **TEACHING & GUIDANCE** of Post Graduate Students placed for different universities viz. IVRI Deemed University, Izatnagar etc.
- ☛ **EXTENSION** activities of the Division of Animal Health/ Institute.

Specialized Research Area:

- ❖ Research/ investigations on Carcinogenesis and diagnosis of animal cancers, especially canine cancers including mammary tumours, their molecular oncogenesis, differentiation and comparative oncological studies.
- ❖ Pathology and pathogenesis of nutritional and infectious diseases of goats and sheep including regular postmortem examinations.

Details of Postgraduate work/ Research Experience/ Employment etc.:

A. M.V.Sc. Thesis Title: PATHOLOGY OF BOVINE PNEUMONIA WITH SPECIAL REFERENCE TO EXPERIMENTAL PULMONARY ASPERGILLOSIS (*A. FUMIGATUS*) IN CALVES.

B. Ph.D. Thesis Title: PATHOLOGY OF CHEMICALLY INDUCED NEOPLASMS AND EVALUATION OF MOLECULAR MARKERS IN DIAGNOSIS OF ANIMAL TUMOURS.

C. Post-Doctoral Research Title: MOLECULAR PATHOLOGICAL STUDIES ON CANINE TUMOURS IN GRENADA, WEST INDIES.

D. Worked as Senior Research Fellow (CSIR) in the Division of Pathology, Indian Veterinary Research Institute, Izatnagar, U.P. on the project entitled "EFFECT OF ENVIRONMENTAL HEAVY METAL POLLUTION ON THE MICRONUTRIENT STATUS OF RABBITS" from February 1, 1995 to June 30, 1996.

E. Working as Principal Scientist (Agricultural Research Services) in the Indian Council of Agricultural Research (ICAR), Ministry of Agriculture, Government of India, from July 5, 1996 till date.

Research Projects handled or worked/ working with:

1. Cold Water Fisheries Production and Management – **Establishment of Pathological and Microbiological Investigation and Research Laboratory** at National Research Centre on Cold Water Fisheries (ICAR), Bhimtal, Nainital, Uttaranchal.
2. Application of Appropriate Flock Health Technology for Sheep, Goats and Rabbits – **Implementation of flock health programmes** at Central Sheep and Wool Research Institute (ICAR), Avikanagar, Rajasthan.
3. Diagnosis and Investigation of Sheep, Goat and Rabbit Diseases – **Establishment of Pathological Laboratory, Necropsies, Pathological and Histopathological Investigation and Diagnosis of Diseases** at Central Sheep and Wool Research Institute (ICAR), Avikanagar, Rajasthan.
4. Transfer of Technologies for Improvement in Sheep, Goat and Rabbit Production – **Transfer of Animal Health Technologies in field animals** – the extension activities at Central Sheep and Wool Research Institute (ICAR), Avikanagar, Rajasthan.
5. Demonstration Unit of Bharat Merino and Avikalin Sheep – **Breeding, Management, Production, Necropsy and Disease Investigation of Sheep** at Southern Regional Research Centre, Central Sheep and Wool Research Institute (ICAR), Mannavanur, Kodaikanal, Tamil Nadu.
6. Demonstration and Training Unit of Rabbits – **Necropsy and Disease Investigation of Rabbits** at Southern Regional Research Centre, Central Sheep and Wool Research Institute (ICAR), Mannavanur, Kodaikanal, Tamil Nadu.
7. Operational Research Project on Transfer of Technology for Improvement in Sheep, Rabbits and Wool Production – **Imparting regular trainings to field veterinarians and farmers, distribution of elite breeds of sheep and rabbits to the farmers to improve production and management, survey and investigation and transfer of animal health technologies in field animals** – the extension activities at Southern Regional Research Centre, Central Sheep and Wool Research Institute (ICAR), Mannavanur, Kodaikanal, Tamil Nadu.
8. Pathology of Chemically Induced Neoplasms and Evaluation of Molecular Markers in Diagnosis of Animal Tumours – The Research Project undertaken to pursue the Ph.D. Programme.
9. Epidemiological Studies on emerging and existing diseases of Equines – **As Co-Principal investigator** at National Research Centre on Equines, Hisar, Haryana.
10. Studies on mortality pattern and causes of mortality among canine and equine – **As Principal Investigator** (From April, 2007 onwards) at the Division of Pathology, IVRI, Izatnagar, U.P.
11. Studies on molecular carcinogenesis of canine mammary cancers – **As Principal Investigator** (From July, 2007- March, 2010) at the Division of Pathology, IVRI, Izatnagar, U.P.
12. Organization and development of registry of pathology and oncology – **As Co-Principal Investigator** at the Division of Pathology, IVRI, Izatnagar, U.P.
13. Worked on the post-doctoral research project on "Molecular pathological studies on canine tumours in grenada, west indies".

14. CSIR-NMITLI project on "Development and characterization of indigenous vaccine and diagnostics for Johne's disease" – **as Co-Principal Investigator** in CIRG, Makhdoom.

15. "Patho-epidemiological studies on emerging and existing diseases of goats"– **As Principal Investigator** in CIRG, Makhdoom.

16. "Effect of nutritional deficiency diseases on gene expression profiles in goats" – **As Principal Investigator** in CIRG, Makhdoom.

17. Patho-epidemiological studies on emerging and existing diseases of goats – **As Co-Principal Investigator** in CIRG, Makhdoom.

Summer Institute/ Winter Institute/ Training Courses etc. attended:

1. Foundation Course of Agricultural Research Services (56th FOCARS) completed successfully held at National Academy of Agricultural Research Management, Hyderabad from 5th July to 2nd December, 1996.

2. Summer Short Course on "SCIENTIFIC VALIDATION AND EVALUATION OF ETHNO-VETERINARY PRACTICES" held at Indian Veterinary Research Institute, Izatnagar, U.P., from August 3 to 12, 1998.

3. Short Course on "RECENT ADVANCES IN DIAGNOSTIC PATHOLOGY" held at Division of Pathology, Indian Veterinary Research Institute, Izatnagar, U.P., from September 4 to 14, 2001.

4. Training course on "RECOMBINANT ANTIGEN PRODUCTION IN CELL CULTURE" held at National Biotechnology Centre, Indian Veterinary Research Institute, Izatnagar, U.P., from January 8, to February 23, 2002.

5. Winter School on "PRODUCTION OF RECOMBINANT PROTEINS IN HETEROLOGOUS SYSTEMS AND PURIFICATION" held at Molecular Virology Laboratory, Indian Veterinary Research Institute, Hebbal, Bangalore, from November 4 to 24, 2004.

6. Summer School on "QUALITY ASSURANCE IN VETERINARY EDUCATION AND SERVICES WITH RELEVANCE TO GLOBALIZATION" held at Madras Veterinary College, Chennai, from July 14 to August 3, 2005.

7. Summer School on "CURRENT TRENDS IN DIAGNOSTIC PATHOLOGY WITH SPECIAL REFERENCE TO DIAGNOSIS OF ANIMAL NEOPLASMS" held at Madras Veterinary College, Chennai, from October 10 to 30, 2007.

8. Faculty Development Programme on "Educational Methodology and Instructional Technology" jointly organized by IVRI, Izatnagar and NAARM, Hyderabad held at IVRI, Izatnagar from July 4 to 9, 2008.

9. Training workshop on "GENE AND GENOME RESEARCH IN LIVESTOCK" held at Division of Biochemistry, Indian Veterinary Research Institute, Izatnagar, U.P., from November 18 to 21, 2008.

10. Training on "APPLICATION OF FLOW CYTOMETRY IN IMMUNOPHENOTYPING AND DNA CELL CYCLE ANALYSIS" held at Division of Biochemistry, Indian Veterinary Research Institute, Izatnagar, U.P., from January 13 to 14, 2009.

11. Completed "CONDENSED TRANSLATION TRAINING COURSE CERTIFICATE" conducted by Central Translation Bureau, Department of official Language, Ministry of Home Affairs, Govt. of India, New Delhi from December 7 to 11, 2009.

12. Completed "RESEARCHER'S TRAINING-VI: ANALYSIS OF VETERINARY SCIENCE DATA USING SAS" of the National Agricultural Innovation Project 'Strengthening Statistical Computing for NARS' organised by NAIP Consortium Partner IVRI, Izatnagar from November 21 to 26, 2011.

13. ICAR-NAE Short Training on "MOLECULAR TECHNIQUES IN DIAGNOSIS AND PROPHYLAXIS OF DISEASE OF FARM ANIMALS AND POULTRY" held at Division of Pathology, Indian Veterinary Research Institute, Izatnagar, U.P., from March 12 to 17, 2012.

14. Pre-RMP Training on "MANAGEMENT DEVELOPMENT PROGRAMME ON LEADERSHIP

DEVELOPMENT (A PRE-RMP PROGRAMME)" held at National Academy of Agricultural Research Management, Rajendranagar, Hyderabad during October 8-19, 2012.

Symposia/ Seminars/Workshops attended: 35

Symposia/ Seminars/Workshops/Trainings organized:

1. Acted as Treasurer in organizing National Seminar and workshop on "Johne's disease" held at IVRI, Izatnagar, Bareilly, Uttar Pradesh from 8-9 August, 2007.
2. Acted as Treasurer in organizing National Seminar-cum-Workshop on "Current status, diagnosis and management of mycotoxicosis in livestock and poultry" held at Division of Pathology, Indian Veterinary Research Institute, Izatnagar, U.P. from July 10-11, 2008.
3. Acted as Joint Organizing Secretary in organizing Silver Jubilee Annual Conference of Indian Association of Veterinary Pathologists and International Symposium on "Quality assurance in pathology and disease diagnosis" and Satellite Seminar on "Descriptive gross and microscopic veterinary pathology in necropsy, biopsy and certification examination" sponsored by C.L. Davis Foundation, California, U.S.A. held at Indian Veterinary Research Institute, Izatnagar, U.P. from November 10-12, 2008.
4. Conducted "Researcher's training-VII: Analysis of Animal science data using SAS" as organizing Secretary under the National Agricultural Innovation Project 'Strengthening Statistical Computing for NARS' organized by NAIP Consortium Partner IVRI, Izatnagar at Central Institute for Research on Goats, Makhdoom, Mathura, U.P. from January 9 to 14, 2012.

Publications:

1. Research Articles – 54
2. Review Articles/ Lead Papers – 13
3. Chapter in Books/ Books/ Monographs – 25
4. Abstracts – 51

Teaching Experience:

- ❖ Taught various courses of Veterinary Pathology, especially general pathology, systemic pathology and oncology, to M.V.Sc. and Ph.D. students at IVRI, Izatnagar and DVM students at SGU, Grenada, West Indies.
- ❖ Guided/ guiding 3 MVSc/ MSc students and co-guided 6 MVSc students at IVRI, Izatnagar/ SGU, Grenada/ CIRG, Makhdoom.

Research Articles:

1. ***Pawaiya RVS**, Charan K, Sikdar A and Parihar NS. 1994. INVASIVE PULMONARY PSEUDALLESCHERIOSIS IN A CROSS BREED CALF. *Mycopathologia*. 128(4): 9-11.
2. **Pawaiya RVS**, 1994. PATHOLOGY OF BOVINE PNEUMONIA WITH SPECIAL REFERENCE TO EXPERIMENTAL PULMONARY ASPERGILLOSIS (*A. fumigatus*) IN CALVES. M.V.Sc. Thesis Abstract. *Indian J. Vet. Pathol.* 18(1): 70-71.
3. **Pawaiya RVS**, Charan K, Parihar NS and Sikdar A. 1995. SPONTANEOUSLY OCCURRING PULMONARY LESIONS IN CALVES. *Indian J. Anim. Sci.* 65(2): 198-200.
4. **Pawaiya RVS** and Charan K. 1995. EXPERIMENTAL PULMONARY ASPERGILLOSIS IN CALVES: HAEMATOLOGICAL AND BIOCHEMICAL EVALUATION *Indian Vet. J.* 72(2): 131-134.
5. **Pawaiya RVS**, Charan K and Sikdar A. 1995. EXPERIMENTAL PULMONARY ASPERGILLOSIS IN CALVES WITH APPLICATION OF BRONCHOSCOPIC TECHNIQUES. *Indian J. Anim. Sci.* 65(5): 504-512.
6. **Pawaiya RVS**, Charan K and Manna J. 1998. CADMIUM TOXICITY IN RABBITS: HAEMATOLOGICAL AND PATHOLOGICAL STUDIES. *Indian J. Vet. Pathol.* 22(2): 109-114.
7. **Pawaiya RVS**, Mishra N, Singh D, Swarnkar CP and Bhagwan PSK. 1998. CAUSES OF RABBIT MORTALITY: A RETROSPECTIVE STUDY. *Indian J. Vet. Pathol.* 22(2): 115-119.
8. **Pawaiya RVS**, Mishra N and Bhagwan PSK. 1999. PATHOLOGY OF *BACILLUS PILIFORMIS* INFECTION

- IN RABBITS. Indian J. Anim. Sci. 69(11): 924-927.
9. **Pawaiya RVS** and Bhagwan PSK. 2000. PRIMARY BRONCHIOLO-ALVEOLAR CARCINOMA IN A SUCKLING LAMB: A CASE REPORT. Indian J. Vet. Pathol. 24(2):113-114.
 10. **Pawaiya RVS**. 2001. MALIGNANT LYMPHOMA IN A SHEEP. Indian J. Vet. Pathol. 25(1&2):74-76.
 11. **Pawaiya RVS**, Mishra N, Bhagwan PSK and Dubey SC. 2004. PATHOLOGY AND DISTRIBUTION OF ANTIGEN IN GOATS NATURALLY INFECTED WITH *PESTE DES PETITS RUMINANTS* VIRUS. Indian J. Anim. Sci. 74(1): 35-40.
 12. **Pawaiya RVS**, Ram Kumar and Paliwal OP. 2004. SEQUENTIAL PATHOLOGICAL STUDY ON CHEMICALLY-INDUCED SKIN TUMOURS IN RATS. Indian J. Vet. Pathol. 28(2): 125-129.
 13. **Pawaiya RVS**, 2005. PATHOLOGY OF CHEMICALLY INDUCED NEOPLASMS AND EVALUATION OF MOLECULAR MARKERS IN DIAGNOSIS OF ANIMAL TUMOURS. Ph.D. Thesis Abstract. Indian J. Vet. Pathol. 29(1): 63-63.
 14. **Pawaiya RVS**, Ram kumar and Paliwal OP. 2005. BRONCHOGENIC ADENOCARCINOMA OF LUNG IN SHEEP: AN IMMUNOHISTOCHEMICAL STUDY. Indian J. Vet. Pathol. 29(2): 139-141.
 15. **Pawaiya RVS**, Ram Kumar, Paliwal OP, Pawde AM and Ravindran R. 2006. EVALUATION OF CELL PROLIFERATION MARKERS IN CANINE CUTANEOUS HISTIOCYTOMA AND TRANSMISSIBLE VENEREAL TUMOUR. Indian J. Vet. Pathol. 30(1): 49-52.
 16. **Pawaiya RVS**, Ram Kumar, Paliwal OP and Pawde AM. 2007. MOLECULAR DIFFERENTIATION OF CANINE CUTANEOUS HISTIOCYTOMA AND TRANSMISSIBLE VENEREAL TUMOUR. Indian J. Anim. Sci. 77 (5): 387-389.
 17. **Pawaiya RVS** and Ram Kumar. 2007. OVINE PULMONARY ADENOCARCINOMA: EVALUATION OF MOLECULAR TUMOUR MARKERS. Indian J. Vet. Pathol. 31(2): 99-107.
 18. **Pawaiya RVS** and Chauhan RS. 2008. REVIEW ON GLANDERS – A RE-EMERGING ZONOSIS IN INDIA. Indian J. Vet. Pathol. 32(1): 1-14.
 19. **Pawaiya RVS** and Ramkumar. 2008. RELEVANCE OF VETERINARY ONCOLOGY IN HUMAN CANCER RESEARCH. Indian J. Vet. Pathol. 32(2): 200-205.
 20. **Pawaiya RVS**, Ramkumar and Pawde AM. 2008. IMMUNOHISTOCHEMICAL STUDY OF A RARE CASE OF CUTANEOUS HISTIOCYTOMA IN BUFFALO. Indian J. Vet. Pathol. 32(2): 251-256.
 21. **Pawaiya RVS**, Bhagwan PSK and Dubey SC. 2008. HISTOPATHOLOGICAL STUDY OF GOAT POX IN A NATURAL OUTBREAK. Indian J. Small Ruminants. 14(2): 266-270.
 22. **Pawaiya RVS**, Dhama K, Mahendran M and Tripathi BN. 2009. SWINE FLU AND THE CURRENT INFLUENZA A (H1N1) PANDEMIC IN HUMANS: A REVIEW. Indian J. Vet. Pathol. 33(1): 1-17.
 23. **Pawaiya RVS** and Ram Kumar. 2009. C-MYC EXPRESSION PATTERN IN CANINE MAMMARY TUMOURS AND HUMAN BREAST CANCER. Indian J. Vet. Pathol. 33(1): 46-51.
 24. **Pawaiya RVS** and Ram Kumar. 2009. VETERINARY MEETS MEDICAL SCIENCE TO TACKLE HUMAN CANCER. Everyman's Science. Vol. XLIV, No.2, June-July, 2009: 98-104.
 25. **Pawaiya RVS**, Sharma AK, Swarup D and Somvanshi R. 2009. MYCOTIC GASTRITIS IN AN INDIAN CROCODILE (Mugger; *Crocodylus palustris*). The Lesion. Vol. 1, No.2, July, 2009: 3.
 26. **Pawaiya RVS** and Pawan Kumar. 2010. OCCURRENCE OF NEOPLASTIC DISEASES IN SMALL RUMINANTS IN INDIA: A REVIEW. Indian J. Small Ruminants 17 (2): 151-165.
 27. ***Pawaiya RVS**, Sharma AK, Swarup D and Somvanshi R. 2011. PATHOLOGY OF MYCOTIC GASTRITIS IN A WILD INDIAN FRESHWATER/MARSH CROCODILE (MUGGER; *CROCODYLUS PALUSTRIS*): A CASE REPORT. Veterinarni Medicina, 56(3): 135–139.
 28. **Pawaiya RVS**, Lal Krishna and Ramkumar. 2011. GENES RESPONSIBLE FOR CANCER: A REVIEW. Indian J. Anim. Sci. 81 (8): 1–20.
 29. Charan K and **Pawaiya RVS**. 1993. APPLICATION OF BROCHOSCOPIC PROCEDURES IN NORMAL NON-ANAESTHETIZED CALVES. Indian J. Vet. Pathol. 17(1): 69-70.
 30. Charan K and **Pawaiya RVS**. 1995. INTESTINAL DIVERTICULUM IN A DOG. Cherion. 24(1): 41-42.
 31. Charan K and **Pawaiya RVS**. 1995. OCCURRENCE OF CHOLELITHIASIS AND CHOLECYSTITIS IN

- NEONATAL CALVES. Indian J. Anim. Sci. 65(3): 308.
32. Churamani CP, Chattopadhyay SK, **Pawaiya RVS** and Johari TS. 1995. PATHO-ANATOMICAL STUDIES ON CUMMULATIVE AFLATOXICOSIS INDUCED WITH LOW DOSE IN RABBITS. Indian J. Vet. Pathol. 19(2): 119-122.
 33. Charan K and **Pawaiya RVS**. 1995. INTESTINAL ASCARIASIS IN A BUFFALO CALF: GUT TRANSGRESSION OF EGGS. Indian Vet. Med. J. 19: 309-310.
 34. *Charan K, **Pawaiya RVS** and Katiyar RC. 1996. PRIMARY BRONCHIOLO-ALVEOLAR ADENOCARCINOMA IN A BULL. Vet. Record. 138: 163-164.
 35. Charan K, **Pawaiya RVS** and Kumar PN. 1996. EXPERIMENTAL PNEUMONIC PASTEURELLOSIS IN CALVES: A CLINICO-PATHOLOGICAL AND BRONCHOSCOPIC STUDY. Indian Vet. Med. J. 20: 119-123.
 36. Charan K and **Pawaiya RVS**. 1996. BRONCHIOLO-ALVEOLAR HYPERPLASIA: PROGENITOR OF BRONCHIOLO-ALVEOLAR CARCINOMA IN A SHEEP. Indian J. Anim. Sci. 66(9): 904-906.
 37. Churamani CP, Chattopadhyay SK, **Pawaiya RVS** and Sikdar A. 1997. PATHO-ANATOMICAL STUDY ON INDUCED ASPERGILLOSIS IN RABBITS. Indian J. Comp. Microbiol. Immunol. Infect. Dis. 18(1): 64-67.
 38. Charan K and **Pawaiya RVS**. 1997. PATHOLOGICAL OBSERVATIONS ON ABORTIONS IN CATTLE WITH PARTICULAR REFERENCE TO CHLAMYDIAL AGENT. Indian J. Vet. Pathol. 21 (2): 87-94.
 39. Charan K and **Pawaiya RVS**. 1997. COCCIDIOSIS IN BUFFALO-CALVES. Indian Vet. Med. J. 21(2): 154-156.
 40. Charan K and **Pawaiya RVS**. 1997. INTUSSUSCEPTION IN A PUP: A CASE REPORT. Indian Vet. Med. J. 21(2): 166-167.
 41. *Charan K and **Pawaiya RVS**. 1997. AN UNUSUAL CONGENITAL ANOMALY: ECTOPIC SIGMOID KIDNEY COMBINED WITH HERMAPHRODITISM IN A NEWLY BORN CALF. J. Vet. Med. Series C (Anat. Histol. Embryol.) 26(4): 269-270.
 42. Churamani CP, Chattopadhyay SK, **Pawaiya RVS**, Johari TS and Sikdar A. 1997. EFFECT OF AFLATOXIN IN THE DEVELOPMENT OF PULMONARY AND SYSTEMIC ASPERGILLOSIS IN RABBITS WITH A *FUMIGATUS* INFECTION: A COMPARATIVE PATHOLOGICAL STUDY. Indian J. Anim. Sci. 67(4): 298-301.
 43. Charan K, **Pawaiya RVS**, Verma TK and Ravikant. 1998. PATHOLOGICAL CHANGES ASSOCIATED WITH *DIPETALONEMA RECONDITUM* IN DOGS. Indian J. Vet. Pathol. 22(2): 144-146.
 44. Charan K and **Pawaiya RVS**. 1999. METASTASIZING RENAL TUBULAR CARCINOMA IN A BITCH. Indian J. Anim. Sci. 69(8): 581-582.
 45. Charan K and **Pawaiya RVS**. 2000. PULMONARY ASPERGILLOSIS AND INCLUSION BODY PNEUMONIA IN A CALF. Indian Vet. J. 77(1): 16-18.
 46. Mishra N, Mishra S, **Pawaiya RVS** and Bhagwan PSK. 2000. ISOLATION AND CHARACTERIZATION OF *PASTEURELLA HAEMOLYTICA* FROM A FIELD OUTBREAK IN SHEEP OF RAJASTHAN. Indian J. Anim. Sci. 70(5): 443-445.
 47. Reddy GB Manjunath, Ram Kumar, **Pawaiya RVS** and Ravindran R. 2007. CANINE DERMAL NEOPLASMS: EVALUATION OF TUMOUR PROLIFERATION FRACTION. Indian J. Vet. Pathol. 31(2): 108-112.
 48. Pawan Kumar, Ramkumar, **Pawaiya RVS**, Reddy GB Manjunatha, and Maiti SK. 2009. EXPRESSION PATTERN OF C-ERBB2 ONCOPROTEIN IN CANINE MAMMARY TUMOURS. Indian J. Vet. Pathol. 33(2): 125-129.
 49. Reddy GB Manjunatha, Pawan Kumar, Ramkumar, **Pawaiya RVS** and Ravindran R. 2009. HISTOPATHOLOGICAL CLASSIFICATION AND INCIDENCE OF CANINE MAMMARY TUMOURS. Indian J. Vet. Pathol. 33(2): 152-155.
 50. Mayilkumar K and **Pawaiya RVS**. 2009. EVALUATION OF C-ERBB2 AND ESTROGEN RECEPTOR EXPRESSION IN CHEMICALLY INDUCED RAT MAMMARY TUMOURS. Indian J. Vet. Pathol. 33(2): 242.
 51. *Pawan Kumar, Ram Kumar, **Pawaiya RVS** and Puttaswamy MB. 2010. DIAGNOSTIC SIGNIFICANCE OF MITOTIC INDEX AND AGNOR COUNT IN CANINE MAMMARY TUMOURS. Braz. J. Vet. Pathol. 3 (1): 41-45.
 52. *Pawan Kumar and **Pawaiya RVS**. 2010. ADVANCES IN CANCER DIAGNOSIS – A REVIEW. Braz. J. Vet. Pathol. 3 (2): 141-152.

53. *Pawan Kumar, **Pawaiya RVS** and BP Madhu. 2010. MULTIPLE MAMMARY TUMOURS IN A BITCH: ANALYSIS OF MITOTIC INDEX, AGNOR COUNT AND C-ERBB2 EXPRESSION STATUS: A CASE REPORT. *Veterinarni Medicina*, 55 (12): 631–635.
54. **Pawaiya RVS**. 2012. Current status of caprine arthritis encephalitis (CAE) in Indian goats. *Goat News*. Vol. VII, July-December, 2012, pp.3.

Books/ Chapters/ Monographs:

1. **Rajveer Singh Pawaiya**. 2012. *Molecular Pathology of Chemically-Induced & Spontaneous Animal Tumors*. LAP LAMBERT Academic Publishing GmbH & Co. KG, Saarbrucken, Germany. 234 pages.
2. Dubey SC and **Pawaiya RVS**. 2003. A BRIEF HISTORICAL OVERVIEW OF EVOLUTIONARY PHASES WITH SPECIAL REFERENCE TO SHEEP KEEPING IN ANCIENT INDIA. In *Veterinary Science and Animal Husbandry in Ancient India* (Editors: R. Somvanshi and M.P. Yadav), Indian Veterinary Research Institute, Izatnagar, U.P. pp. 84-89.
3. Singh RK and **Pawaiya RVS**. 2005 (Reprint 2006). TELOMERASE BIOLOGY IN ANIMAL CANCERS: PROSPECTS IN DEVELOPING DIAGNOSIS AND ANTI-CANCER THERAPEUTICS. In the book *Animal Biotechnology* (Editors: A.K. Shrivastava, R.K. Singh and M.P. Yadav) Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi. pp. 341-368.
4. **Pawaiya RVS**. 2009. EMERGING TRENDS IN GLANDERS IN EQUINES. In: *Diagnosis and Prophylaxis of Economically Important Diseases of Farm Animals and Poultry*. (Editor: R. Somvanshi) Division of Pathology, Indian Veterinary research institute, Izatnagar, U.P., India. pp. 57-67.
5. **Pawaiya RVS**. 2009. IMPORTANCE OF CERTAIN ORGANS IN DISEASE DIAGNOSIS. In: *Necropsy Techniques and Necropsy Conference Manual*. (Editor: R. Somvanshi and J.R. Rao). Division of Pathology, Indian Veterinary research institute, Izatnagar, U.P., India. pp. 31-56.
6. Dhama K, Mahendran M, Kapoor S and **Pawaiya RVS** (2010). Rotavirus diarrhea in equines. In: *Tropical Viral Diseases of Large Domestic Animals. Part I. (Advances in Medical and Veterinary Virology, Immunology and Epidemiology Vol 7)* Editor: Thankam Mathew. Thajema Publishers, 31 Glenview Dr., West Orange NJ 07052, USA; pp. 356-371.
7. **R.V.S. Pawaiya**, K. Dhama, S. Kapoor and M. Mahendran (2010). Equine rabies. In: *Tropical Viral Diseases of Large Domestic Animals. Part I. (Advances in Medical and Veterinary Virology, Immunology and Epidemiology Vol 7)* Editor: Thankam Mathew. Thajema Publishers, 31 Glenview Dr., West Orange NJ 07052, USA; pp. 200-223.
8. **R.V.S. Pawaiya**, K. Dhama, P. Bhatt and S. Kapoor (2010). Louping ill in horses. In: *Tropical Viral Diseases of Large Domestic Animals. Part I. (Advances in Medical and Veterinary Virology, Immunology and Epidemiology Vol 7)* Editor: Thankam Mathew. Thajema Publishers, 31 Glenview Dr., West Orange NJ 07052, USA; pp. 345-355.
9. **R.V.S. Pawaiya**, K. Dhama, S. Kapoor and P. Bhatt (2010). Borna disease in horses. In: *Tropical Viral Diseases of Large Domestic Animals. Part I. (Advances in Medical and Veterinary Virology, Immunology and Epidemiology Vol 7)* Editor: Thankam Mathew. Thajema Publishers, 31 Glenview Dr., West Orange NJ 07052, USA; pp. 39-61.
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