

BIO-DATA

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8. Date of birth, Sex : 10-06-1953, Male
9. Religion : Christian, Marthomite
10. Academic Qualifications : i. Ph.D (Surgery)
ii. M.V.Sc. (Surgery)
iii. B.V.Sc & A.H
iv. B.Sc. (Zoology)
11. Training Courses attended/Departmental : 7
Tests qualified
12. Professional Experiences : 33 years and 6 months
(Teaching/Research/Extension)
13. No. of Major Research Projects handled : 7 (*Annexure IV*)
i. Kerala Agricultural University - 5
ii. Department of Animal Husbandry
(Kerala) – 2
14. No. of Students’ Research Projects : 43
guided
Ph.D - 6 (Major-1, Minor -5)
M.V.Sc – 38 (Major 10, Minor-28)
15. No. of Research Publications : 82 (*Annexure –VI*)
16. No. of Popular Articles Published : 9
17. Chapters in Books/Proceedings/
Manuals : 4 (*Annexure VIII*)
18. No. of Workshops/Seminars/
Symposia/Conferences etc. attended : 18
19. No. of Papers Presented in : 40
Seminars/Symposia/Conferences etc.
20. Awards/Prizes/Distinctions/Scholarships : 8 (*Annexure XI*)
received
21. Other Duties/Tasks/Extension Activities : 19

- etc. undertaken
22. Memberships in Professional and other Organisations : 8 (Annexure XIII)

Annexure – IV

Major Research Projects

i. Kerala Agricultural University Projects

1. Studies on Epidural Anaesthesia in Goats (M.V.Sc. Project: Major Guide – Dr. P.O. George)
2. General Anaesthesia in Dogs using Tiletamine-Zolazepam (Ph.D. Project: Major Guide – Dr. K.N. Muraleedharan Nayar)
3. Effect of Immobilization on Healing of Fractures of Long Bones in Calves (Co-Investigator)
4. Anaesthesia in Animals (Co-Investigator)
5. Surgical Management of Diseases of Eyes in Canines and Bovines (Co-Investigator)

ii. Department of Animal Husbandry (Kerala) Projects

1. Anaesthesia and Operational Theatre Management (Co-Investigator)
2. Prepuberal Sterilization in Dogs for the Control of Overpopulation (Co-Investigator)

Annexure – V

I. Students Projects for Ph.D. Programme

i. as Major Guide

1. Midazolam in combination with glycopyrrolate and xylazine as a preanaesthetic for general anaesthesia in dogs (M.K. Narayanan: 2003-23-01)

ii. as Minor Guide

1. Comparative study on the superovulatory response and viability of embryos in peripubertal and adult Malabari goats (Metilda Joseph: 95-23-01).
2. Processed collagen sheets of canine and fish origin for cystoplasty in rabbits and dogs (C.B. Devanand: 96-23-04)
3. Pre-natal development of spinal cord in goats (*Capra hircus*) (Maya S: 2000-23-02)
4. Radiographic evaluation of canine pyometra and its surgical management (John Martin, K.D.): 2001-23-03)
5. Comparative efficacy of bromocriptine-carbergoline and thyroxine in inducing oestrus in bitches (G. Ajitkumar: 2004-23-13).

II. Students Projects for M.V.Sc. Programme

i) as Major Guide

1. Xylazine anaesthesia in calves with diazepam premedication (P. Regi Varghese George: 91-13-13)
2. Effect of metacarpal osteotomy and traction for lengthening of forelimb in calves (A. Kumaresan: 96-13-31).
3. Clinical and serum biochemical evaluation in surgery for alimentary tract obstruction in dogs (Shejo Jose: 98-13-16).
4. Surgical management of omphalitis in calves (D. Prasanna: 2000-13-24)
5. Evaluation of partial thickness suturing technique for the repair of aural haematoma in dogs (A. Ashalatha: 2001-13-16).
6. Clinical evaluation on the comparative effect of xylazine and xylazine-ketamine premedication in thiopentone anaesthesia in dogs (Philip Varghese: 2001-13-56).
7. Contrast radiography for the diagnosis of gastric disorders in dogs (K.M. Dileepkumar: 2003-13-51).
8. Comparative efficacy of xylazine and xylazine-ketamine premedication on propofol anaesthesia for caesarean section in dogs (M. Ranjith Mohan: 2004-13-14).
9. Clinical evaluation of propofol-isoflurane anaesthesia with xylazine premedication in dogs (Soumya Ramankutty: 2004-13-17).

10. Intra-articular antimicrobial therapy and lavage for the management of arthritis in calves (G. Ganesh: 2006-13-137).

ii) as Minor Guide

1. Comparative study of healing of fracture of metacarpus in valves using different external immobilization methods (Kalyani Biswas: 86-13-04).
2. Xylazine-Acepromazine anaesthesia in goats (1993) (Tulpule Deepak Surendra: 90-13-28).
3. Superficial keratectomy for management of corneal wounds in canines (J. David Suresh: 94-13-23).
4. Anti-inflammatory and anti-nociceptive effects of *Withania somnifera* and *Catharanthus roseus* in rat (A. Arivuchelvan: 95-13-45).
5. Diagnosis of pregnancy in bitches by transabdominal palpation along with haematological studies (Namsui Thou: 97-13-01)
6. Effect of ephedrine and 4-amino pyridine-yohimbine combination in reversing the ketamine-xylazine anaesthesia in rabbits (ChadRARAJESWARY: 97-13-22).
7. Post-natal development of the bursa of Fabricius in duck (*Anas platyrhynchos*) (Indu V. Raj: 97-13-26).
8. Cryosurgical treatment for experimentally induced cataract in dogs (Neelakanda Praveen Pillai: 96-13-29).
9. Clinical evaluation of xylazine-propofol anaesthesia in canine surgery (S. Sooryadas: 98-13-15).
10. Electrocardiogram abnormalities in cardiac disorders of dogs (P. Ravindran: 98-13-07).
11. Analysis of management systems of pure-bred and cross-bred dogs in central Kerala (P. Vijayakumar: 99-13-09).
12. Immune response to combined Foot and Mouth Disease, Haemorrhagic Septicemia and Black Quarter Vaccine and their respective monovalent vaccines in cattle (K. Rajkumar: 99-13-29).
13. Evaluation of polyvinyl chloride splints for the treatment of long bone fractures in dogs (Divya Balan: 2000-13-26).
14. Radiographic evaluation of otitis in dogs (Sachin J. Shenoy: 2002-13-32).
15. Evaluation and management of urolithiasis in dogs (Reshma Damodaran: 2002-13-38)
16. Acrylic external skeletal fixator for the treatment of long bone fractures in dogs (B. Julie: 2003-13-09).
17. Evaluation of external skeletal fixation in combination with intramedullary pinning for management of long bone fracture in dogs (B. Venkateswaralu: 2004-13-03).
18. Processed collagen graft for the treatment of corneal lesions in dogs (T.A. Raji: 2004-13-16).
19. Evaluation and management of gastrointestinal outflow obstruction in dogs (N.S. Jineshkumar: 2005-13-139).
20. Radiological evaluation and management of lower urinary tract disorders in dogs (V.M. Sheeja: 2005-13-138).
21. Management of fracture of extremities of long bones in dogs (V. Remya: 2006-13-16)
22. Epidural steroid therapy and ultrasound massage for the management of paraplegia in dogs (K.M. Seenaa: 2006-13-11).
23. Evaluation of plate osteosynthesis for the management of long bone fractures in dogs (K. Unnikrishnan: 2007-13-132).
24. Efficacy of sevoflurane for maintenance of propofol anaesthesia in dogs (K.S. Raghavan: 2008-13-142).
25. Investigation on foot disorders of captive Asian elephants (P.B. Giridas: 2009-3-148)
26. Unipolar external skeletal fixation for the management of long bone fractures in goats (Bini Joy: 11-MVM-14)
27. Clinical evaluation of angular deformity of carpal joint and its treatment in dogs (Kankonkar Ashay Pradeep: 11-MVM-18).

Annexure – VI
Research Publications

1. George, P.O., Amma, T.S., **Rajankutty, K.** and Joy, A.D. 1984. Caesarean section in a rabbit – A case report. *Kerala J. Vet. Sci.* **15**(1): 167-168.
2. George, P.O., Nayar, K.N.M., Nayar, S.R. and **Rajankutty, K.** 1984. Torsion of spleen in a dog – A case report. *Kerala J. Vet. Sci.* **15**(2): 175-176.
3. **Rajankutty, K.**, George, P.O., Nayar, K.N.M., Nayar, S.R., Varkey, C.A. and Amma, T.S. 1985. Epidural anaesthesia in goats using lidocaine hydrochloride. *Kerala J. Vet. Sci.* **16**(1): 127-130.
4. **Rajankutty, K.** 1985. Caesarean section in goats – A clinical study. *Indian J. Vet. Surg.* **6**(1): 41-43.
5. **Rajankutty, K.**, George, P.O., Nayar, K.N.M., Nayar, S.R. and Varkey, C.A. 1985. Epidural anaesthesia in goats using lignocaine hydrochloride with and without hyaluronidase. *Indian J. Vet. Surg.* **6**(2): 118-120.
6. George, P.O., Cheeran, J.V., Jalaluddin, A.M., **Rajankutty, K.** and Varkey, C.A. 1986. Treatment of wounds on the forelimb of a lion (*Panthera leo*) under general anaesthesia. *Indian Vet. J.* **63**(11): 952-953.
7. George, P.O., Cheeran, J.V., Nayar, K.N.M., Nayar, S.R., Amma, T.S. and **Rajankutty, K.** 1986. Amputation of tail in a lion under xylazine anaesthesia. *Kerala J. Vet. Sci.* **17**(1): 152-153.
8. **Rajankutty, K.** and George, P.O. 1987. Double parturition in a sow. *Kerala J. Vet. Sci.* **18**(1): 126y-127.
9. George, P.O., Cheeran, J.V. and **Rajankutty, K.** 1987. Partial amputation of the tongue of a Bonnet monkey under general anaesthesia. *Kerala J. Vet. Sci.* **18**(1): 138-139.
10. Varkey, C.A., **Rajankutty, K.** and Aleyas, N.M. 1988. Taillessness and atresia ani in a calf – A case report. *Kerala J. Vet. Sci.* **19**(2): 169-171.
11. George, P.O., Nayar, K.N.M., Cheeran, J.V., Jalaluddin, A.M., Nayar, S.R., Varkey, C.A. and **Rajankutty, K.** 1988. Epiphyseal fracture of tibia in a lion (*Panthera leo*). *Indian J. Vet. Surg.* **9**(2): 142-143.
12. Cheeran, J.V., George, P.O. and **Rajankutty, K.** 1989. Translocation of lions (*Panthera leo*) in Trichur Zoo. *Tiger Paper* **16**(1): 23-25.
13. George, P.O., **Rajankutty, K.** and Cheeran, J.V. 1990. General anaesthesia in a lion tailed monkey (*Maccaca silenus*) using droperidol-fentanyl mixture (Innovar – vet). *Zoo's Print* **5**(5): 13.
14. George, P.O. and **Rajankutty, K.** 1990. Translocation of a striped hyaena (*Hyaena hyaena*) at Trichur Zoo. *Zoo's Print* **5**(10): 24.
15. George, P.O., Sulochana, S., Balagopalan, T.P. and **Rajankutty, K.** 1990. Infectious feline enteritis in tiger cubs (*Felis tigris*) at Trichur Zoo. *Zoo's Print* **5**(10): 26.
16. George, P.O., Rajan, A., Varkey, C.A., Balagopalan, T.P. and **Rajankutty, K.** 1990. Osteoarthritis in an elephant (*Elephas maximus indicus*). *J. Vet. Anim. Sci.* **21**(1): 157-159.
17. **Rajankutty, K.**, Badwal, M.S., Thomas, K. and Nayar, K.N.M. 1990. Eversion of intestine through an intestinal fistula in a pig. *J. Vet. Anim. Sci.* **21**(2): 15/
18. George, P.O., **Rajankutty, K.** and Sreekumaran, T. 1991. Traumatic peritonitis in a captive king cobra (*Ophiophagus hannah*) – A case report. *Indian Vet. J.* **68**(1): 71.
19. Cheeran, J.V., George, P.O., **Rajankutty, K.**, Varkey, C.A., Amma, T.S., Nayar, K.N.M. and Nayar, S.R. 1991. Droperidol-fentanyl mixture (Innovar-Vet) as an anaesthetic in dogs. *Indian Vet. J.* **68**(5): 483-484.
20. Alex, P.C., **Rajankutty, K.**, Valsala, K.V. and Nayar, K.N.M. 1991. Mimosa poisoning in a heifer. *J. Vet. Anim. Sci.* **22**(1): 134-136.
21. Balagopalan, T.P., Nayar, K.N.M. and **Rajankutty, K.** 1991. Histopathological changes in the liver and kidney of goats following the administration of glyceryl guaiacolate ether and with a sedative and barbiturate. *J. Vet. Anim. Sci.* **22**(1): 139-141.
22. George, P.O., **Rajankutty, K.** and Balagopalan, T.P. 1993. Cervico-vaginal prolapse in a rabbit – a case report. *J. Vet. Anim. Sci.* **24**(1): 84-85.
23. Balagopalan, T.P., **Rajankutty, K.** and Nayar, S.R. 1993. Ventral hernia associated with abomasal fistula in a cow – A clinical report. *J. Vet. Anim. Sci.* **24**(2): 203-204.

24. **Rajankutty, K.**, Balagopalan, T.P., Devanand, C.B. and Varkey, C.A. 1993. Atresia ani et recti associated with rectovesical fistula in a calf – A case report. *J. Vet. Anim. Sci.* **24**(2): 209.
25. **Rajankutty, K.**, Nair, K.N.M., Devanand, C.B., Padmakumar, N. and Varkey, C.A. 1994. Congenital limb extension in a calf. *J. Vet. Anim. Sci.* **25**: 169-170.
26. **Rajankutty, K.**, Balagoopalan, T.P., Amma, T.S. and Varkey, C.A. 1994. Congenital hypospadias associated with atresia ani et recti and rectovesical fistula in a kid. *J. Vet. Anim. Sci.* **25**: 172.
27. Varkey, C.A., Devanand, C.B., **Rajankutty, K.** and Amma, T.S. 1994. A case of neurofibroma in a chicken. *Indian Vet. J.* **71**(2): 170.
28. Balagopalan, T.P., **Rajankutty, K.**, Devanand, C.B., Jalaluddin, A.M. and Nayar, K.N.M. 1994. Migratory foreign body (fish bone) in the post pharyngeal region of a dog – A case report. *Indian Vet. J.* **71**(6): 600-601.
29. Nayar, K.N.M., Varkey, C.A., **Rajankutty, K.** and George, P.O. 1994. Amputation of the wing of a pelican under ketamine anaesthesia. *J. Vet. Anim. Sci.* **25**: 171.
30. George, P.O., Nayar, K.N.M., Jalaluddin, A.M., Nayar, S.R., Varkey, C.A., Amma, T.S., **Rajankutty, K.**, Balagopalan, T.P. and Devanand, C.B. 1994. Defective diaphragm associated with ventral hernia in puppies - Case Report. *Indian J. Vet. Surg.* **15**(1): 37-38.
31. Jayasudha, A., Venketesan, C., **Rajankutty, K.** and Amma, T.S. 1995. Congenital umbilical defects with visceral eventration - Case report. *J. Vet. Anim. Sci.* **26**(2):138-139.
32. Balagopalan, T.P., Devanand, C.B., **Rajankutty, K.**, Amma, T.S., Nayar, S.R., Varkey, C.A., Jalaluddin, A.M., Nayar, K.N.M. and George, P.O. 1995. Fracture in dogs – A review of 208 cases. *Indian J. Vet. Surg.* **16**(1): 41-43.
33. Balagopalan, T.P., Devanand, C.B., **Rajankutty, K.**, Amma, T.S., Nayar, S.R., Varkey, C.A., Jalaluddin, A.M., Nayar, K.N.M. and George, P.O. 1995. Megaesophagus in dogs – A review of six cases. *Indian J. Vet. Surg.* **16**(1): 64-65.
34. George, P.O., Chandra, C.J., Cheeran, J.V., Amma, T.S. and **Rajankutty, K.** 1995. Orchiectomy in Lions (*Panthera leo*). *Indian Vet. J.* **72**(1): 92-93.
35. Balagopalan, T.P., Devanand, C.B., **Rajankutty, K.**, Amma, T.S., Varkey, C.A., Nayar, S.R. and Nayar, K.N.M. 1996. Congenital Anomalies in calves and kids. *Indian J. Anim. Reprod.* **17**(1): 35-38.
36. Amma, T.S., Nayar, S.R., **Rajankutty, K.**, Balagopalan, T.P. and Varghese, E.P. 1997. Hydrallantois with foetal ascitis and anasarca in a bitch. *Indian J. Vet. Surg.* **18**(1): 39-40.
37. Amma, T.S., Balagopalan, T.P., Ashok, N., **Rajankutty, K.** and Nayar, K.N.M. 1997. Double intestine along with atresia ani et recti in a kid. *Indian J. Anim. Sci.* **67**(7): 596.
38. **Rajankutty, K.** and Nayar, K.N.M. 1998. Effect of atropine-tiletamine-zolazepam combination anaesthesia on haematological and serum biochemical constituents in dogs. *Indian J. Vet. Surg.* **19**(1): 39-40.
39. George, P.R.V., **Rajankutty, K.**, George, P.O., Nayar, S.R. and Nayar, K.N.M. 1999. Sedative effect of xylazine in crossbred calves. *J. Vet. Anim. Sci.* **30**: 11-13.
40. Dinesh, P.T., Martin, K.D.J., **Rajankutty, K.**, Anoop, S. and Jose, S. 2000. Acute myeloid leukaemia in a dog. *Indian J. Vet. Surg.* **21**(2): 107-108.
41. Martin, K.D.J., Dinesh, P.T., **Rajankutty, K.**, Jose, S. and Anoop, S. 2000. Inguinal hernia concomitant with hydrocele in a dog. *Indian J. Vet. Surg.* **21**(2): 111.
42. **Rajankutty, K.**, Nayar, K.N.M., Harshan, K.R. and Valsala, K.V. 2001. Pathological changes in the liver and kidney of dogs following the administration of atropine-tiletamine-zolazepam combination alone and with xylazine. *J. Vet. Anim. Sci.* **32**: 13-16.
43. Thou, N., Athman, K.V., Madhavan, E., Balakrishnan, P.P. and **Rajankutty, K.** 2001. Total serum protein, albumin and globulin in pregnant Alsatian bitches. *Indian J. Anim. Reprod.* **22**(2): 152-153.
44. Martin, K.D.J., Ajitkumar, G., Dinesh, P.T., **Rajankutty, K.** and Athman, K.V. 2002. Dystocia due to longitudinal dorso-ventral vaginal septum in a primiparous goat. *Kerala J. Anim. Reprod.* **1**(1): 13.

45. Ajitkumar, G., Martin, K.D.J., **Rajankutty, K.** and Athman, K.V. 2002. Remission of signs of overt pseudopregnancy in bitches using bromocriptine. *Kerala J. Anim. Reprod.* **1**(1): 14.
46. Ajithkumar, G., Ghosh, K.N.A., Sreekumaran, T., **Rajankutty, K.** and Chandrasekharan, K. 2002. Biometry of genitalia in a cow elephant. *Kerala J. Anim. Reprod.* **1**(1): 15.
47. Martin, K.D.J., Ajitkumar, G., **Rajankutty, K.**, Ghosh, K.N.A., Shenoy, S.J., Balan, D. and Alex, P.C. 2002. Extrauterine mummification in a bitch – A case report. *Kerala J. Anim. Reprod.* **1**(1): 18-19.
48. Ajitkumar, G., Martin, K.D.J., **Rajankutty, K.** and Athman, K.V. 2002. Suppression of lactation in non-suckling bitches using bromocriptine. *Kerala J. Anim. Reprod.* **1**(1): 22.
49. Narayanan, M.K., Martin, K.D.J., Ajitkumar, G., **Rajankutty, K.**, Ghosh, K.N.A. and Alex, P.C. 2002. Prolonged gestation in a bitch – A case report. *Kerala J. Anim. Reprod.* **1**(1): 23-24.
50. **Rajankutty, K.**, Shenoy, S.J., Vijayakumar, K. and Dosan 2003. Ventral Haematoma in a cow – A case report. Proceedings of the National Seminar on “Wildlife Conservation and Food Safety: Problems, Prospects and Strategies” organized by Indian Veterinary Association (Kerala) in Indian Veterinary Science Congress held at the College of Veterinary and Animal Sciences, Mannuthy on 26th and 27th December, 2003: 71.
51. Ghosh, K.N.A., Ajitkumar, G., **Rajankutty, K.** and Sreekumar, T. 2003. Prostaglandin therapy in bovine foetal mummification. Proceedings of the National Seminar on “Wildlife Conservation and Food Safety: Problems, Prospects and Strategies” organized by Indian Veterinary Association (Kerala) in Indian Veterinary Science Congress held at the College of Veterinary and Animal Sciences, Mannuthy on 26th and 27th December, 2003: 74.
52. Narayanan, M.K., Martin, K.D.J., **Rajankutty, K.** and Alex, P.C. 2003. Incidence of dog bite wounds in Thrissur District. Proceedings of the National Seminar on “Wildlife Conservation and Food Safety: Problems, Prospects and Strategies” organised by Indian Veterinary Association (Kerala) in Indian Veterinary Science Congress held on 26th & 27th December 2003 at College of Veterinary and Animal Sciences, Mannuthy. p. 129-131.
53. **Rajankutty, K.**, Ajitkumar, G., Martin, K.D.J., Ghosh, K.N.A., Narayanan, M.K. and Alex, P.C. 2005. Vaginal hyperplasia associated with oestrus in bitches and its surgical management. *J. Vet. Anim. Sci.* **36**: 155-156.
54. Narayanan, M.K., **Rajankutty, K.** and Martin, K.D.J. 2005. Strangulated scrotal hernia in a dog. *J. Vet. Anim.Sci.* **36**: 195-196.
55. Ajitkumar, G., Vijayan, N., Ibraheemkutty, C., Dhas, J.S. and **Rajankutty, K.** 2006. A case of endometrial carcinoma in a spotted deer *Axis axis*. *Zoo's Print J.* **21**(8): 235.
56. Kumar, G.A., Dhas, G.J.S. and **Rajankutty, K.** 2006. Biometry of testicles and spermatozoa of a spotted deer (*Axis axis*). *J. Vet. Anim. Sci.* **37**: 86-87.
57. Julie, B., Syam, K.V., **Rajankutty, K.**, Venugopalan, K. and Amma, T.S. 2007. Acrylic external skeletal fixation for the treatment of long bone fracture in dogs. *Indian J. Vet. Surg.* **28**(1): 6-10.
58. **Rajankutty, K.**, Philip, L.M. and Ajitkumar, G. 2007. Abomasal plastic bezoar in a Sambar deer *Rus unicolor*. *Zoo's Print J.* **22**(10): 2868.
59. Ashalatha, A., **Rajankutty, K.** and Amma, T.S. 2007. Evaluation of partial thickness suturing technique for the repair of aural haematoma in dogs. *JIVA* **5**(1): 17.
60. Julie, B., Syam, K.V., **Rajankutty, K.** and Amma, T.S. 2007. Linear external skeletal fixation for long bone fractures. *JIVA* **5**(2): 23-26.
61. Jineshkumar, N.S., Narayanan, M.K., **Rajankutty, K.** and Amma, T.S. 2007. Surgical and post surgical management of gastro duodenal linear foreign body in a dog. *JIVA* **5**(1): 27.
62. **Rajankutty, K.**, Martin, K.D.J. and Ashalatha, A. 2007. Phimosis in dog – A case report. *JIVA* **5**(1): 33.
63. Mohan, M.R., **Rajankutty, K.**, Martin, K.D.J. and Amma, T.S. 2007. General anaesthesia for caesarean in dogs using propofol with xylazine premedication. *JIVA* **5**(1): 39.
64. **Rajankutty, K.** 2007. Anaesthetic management in wild and captive animals and birds. *JIVA* **5**(1): 58.

65. Ganesh, G., **Rajankutty, K.**, Amma, T.S., Martin, K.D.J. and Nair, G.K. 2009. Synovial fluid changes in arthritic calves. *Indian J. Vet. Surg.* **30**(2): 122-124.
66. Ganesh, G., **Rajankutty, K.**, Amma, T.S., Martin, K.D.J. and Nair, G.K. 2009. A radiographic evaluation of arthritis in calves. *Indian J. Vet. Surg.* **30**(2): 125.
67. Laiju, M.P., Martin, K.D.J., **Rajankutty, K.** and Sabu, K.L. 2009. Subconjunctival dirofilariasis in a dog. *JIVA* **7**(2): 89.
68. Ajitkumar, G., Paseeda, R., **Rajankutty, K.** and Alex, P.C. 2010. Comparative efficacy of high vs. low dose cabergoline treatment regimen in inducing fertile oestrus in anoestrus dogs. *J. Anim. Vet. Adv.* **9**(12): 1735-1738.
69. Narayanan, M.K. and **Rajankutty, K.** 2010. Early neutering in dogs (End): An Animal Birth Control Programme. *JIVA* **9**(2): 76.
70. Narayanan, M.K., **Rajankutty, K.**, Amma, T.S., Syam, K.V. and Devanand, C.B. 2011. Midazolam with glycopyrrolate-xylazine combination for premedication in ketamine anaesthesia in dogs. *J. Vet. Anim. Sci.* **42**(1&2): 43-52.
71. Sooryadas, S., Amma, T.S., **Rajankutty, K.**, Gopakumar, N. and Nayar, K.N.M. 2011. Electrocardiogram changes during xylazine-propofol anaesthesia in dogs – A clinical study. *Indian J. Vet. Surg.* **32**(2): 129-130.
72. Amma, T.S., Sheeja, V.M., **Rajankutty, K.**, Martin, K.D.J. and Pillai, U.N. 2011. Obstructive urolithiasis in dogs: Advances in diagnosis and management. *JIVA* **9**(1):56-59.
73. Narayanan, M.K., Firoz, A.D. and **Rajankutty, K.** 2011. Oesophageal obstruction in a cow and its surgical management. *JIVA* **9**(3): 51-52.
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81. Joy, B., Venugopal, S.K., Anoop, S., Nair, N.D. and **Rajankutty, K.** 2014. Healing of long bone fractures in goats managed with external skeletal fixation – Radiographic assessment. *Indian Vet. J.* **91**(7): 75-76.
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Annexure – VIII

Chapters in Books/Proceedings/Manuals

1. Foot Disorders and their Care in Elephants. A Chapter in: *Healthcare Management of Captive Asian Elephants*. (eds.) Ajitkumar, G., Anil, K.S. and Alex, P.C. 2009. Published by Kerala Agricultural University, Mannuthy, Thrissur. pp. 111-113.
2. Anaesthesia for Wild and Captive Animals and birds. A Chapter in: *Healthcare, Management and Diseases of Wild and Captive Animals*. Proceedings of the Winter School jointly organized by the

Centre for Studies on Elephants and the Department of Clinical Medicine at the College of Veterinary and Animal Sciences, Mannuthy. pp. 211-223.

3. Manual of Practicals "*Veterinary Surgery and Radiology (Part II), Radiology – Regional and Clinical Surgery – I*".
4. Manual of Practicals "*Veterinary Surgery and Radiology (Part III), Regional and Clinical Surgery – II*".

Annexure – XI

Awards, Prizes/Distinctions/Scholarships received

1. Second Rank in B.V.Sc. & A.H. degree programme (1978)
2. Prize from Jawaharlal Nehru Memorial Fund, Trimurthi Bhavan, New Delhi for the highest academic achievement in B.V.Sc. & A.H. degree programme.
3. Certificate of Merit from Indian Council of Agricultural Research (ICAR) in recognition of the overall performance in B.V.Sc. & A.H. degree programme.
4. Certificate of Merit from Kerala Agricultural University (KAU) Student's Union, for having secured II Rank in B.V.Sc. & A.H. degree programme.
5. KAU Merit Scholarship for B.V.Sc. & A.H. degree programme (1975-1978).
6. KAU Merit Scholarship for M.V.Sc. degree programme (1978-1979).
7. Best Poster Award in Kerala Science Congress, 2012. Co-Recipient for presentation of the poster entitled "Early Surgical Neutering – A successful and ethical way to control stray dog population" held at the Rubber Research Institute of India, Kottayam from 29 to 31st January 2012.
8. '*A citation in Recognition the Meritorious Services*' from the Indian Society for Veterinary Surgery (Kerala Chapter).