

BIO-DATA

1. Name : **Dr. K. RAJANKUTTY**
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7. Land line No. : 0487-2426027
8. Date of birth, Sex : 10-06-1953, Male
9. Religion : Christian, Marthomite
10. Academic Qualifications : *(Annexure –I)*
 - 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 *(Annexure II)*
Tests qualified
12. Professional Experiences : 33 years and 6 months
(Teaching/Research/Extension) *(Annexure – III)*
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 *(Annexure –V)*
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 *(Annexure VII)*
17. Chapters in Books/Proceedings/
Manuals : 4 *(Annexure VIII)*
18. No. of Workshops/Seminars/
Symposia/Conferences etc. attended : 18 *(Annexure IX)*
19. No. of Papers Presented in : 40 *(Annexure X)*
Seminars/Symposia/Conferences etc.

20. Awards/Prizes/Distinctions/Scholarships : 8 (Annexure XI)
received
21. Other Duties/Tasks/Extension Activities : 19 (Annexure XII)
etc. undertaken
22. Memberships in Professional and other : 8 (Annexure XIII)
Organisations

Annexure –I

Academic Qualifications

Qualification	Subject/Discipline	Institution & University	Year of Passing
1. Ph.D	Surgery	College of Veterinary & Animal Sciences, Mannuthy, Kerala Agricultural University	1996 February
2. M.V.Sc	Surgery	College of Veterinary & Animal Sciences, Mannuthy, Kerala Agricultural University	1981 October
3. B.V.Sc & A.H	Veterinary Science & Animal Husbandry	College of Veterinary & Animal Sciences, Mannuthy, Kerala Agricultural University	1978 August
4. B.Sc	Zoology	St. John's College, Anchal, Kollam University of Kerala	1974 August
5. Pre-Degree	Group II	St. John's College, Anchal, Kollam, University of Kerala	1971 March
6. S.S.L.C	--	APNMHS, Kulathupuzha, Kollam, Department of Education, Kerala State	1969 March

Annexure - II

i. Training Courses attended

1. Summer Institute on 'Instrumentation and Analytical Techniques in Veterinary Clinical Biochemistry' sponsored by I.C.A.R., held at the College of Veterinary Science and Animal Husbandry, C.S.A University of Agriculture Technology, Madhura, U.P. (8th to 30th June 1983).
2. Advance Training Course in 'Veterinary Diagnostic Imaging with Special Reference to Ultrasonography', held at the Department of Veterinary Surgery and Radiology (Centre of Advanced Studies), Punjab Agricultural University, Ludhiana (6th to 17th January, 1997)

3. Winter School on 'Recent Concepts of Production Diseases in Ruminants', sponsored by I.C.A.R., held in the Department of Clinical Medicine, College of Veterinary and Animal Sciences, KAU., Mannuthy (1st to 21st January, 1998)
4. Orientation Training for 'Up-dating the knowledge in respect of Indian Veterinary Council Act, 1984 and Regulations framed' organized by Veterinary Council of India, New Delhi, held at the College of Veterinary and Animal Sciences, Mannuthy (9th to 10th February 1998.)
5. Hands on training workshop on "International Pulmonology" organized by Department of Pulmonology, Amala Institute of Medical Sciences, Amala Nagar, Thrissur (19th January, 2013).

ii. Departmental Tests qualified

1. Account Test for Executive Officers conducted by Kerala Public Service Commission in June-July, 1980 (Reg No. 11570).
2. Account Test (Lower) conducted by Kerala Public Service Commission in June-July 1980 (Reg. No. 11570).

Annexure - III

Professional Experiences (Teaching/Research/Extension)

Sl. No	Post held	Period	Place of Work
1	Head, Small Animal Research Facility	09-05-2015 to Continuing	Jubilee Mission Medical College & Research Institute, Thrissur – 680 005, Kerala
2	Professor & Head	02-08-2012 to 09-06-2013 (Retired on Superannuation on 09.06.2013)	Dept of Veterinary Surgery & Radiology, College of Veterinary & Animal Sciences, Mannuthy – 680 651, Thrissur, Kerala
		22-09-2011 to 01-08-2012	Dept. of Veterinary Surgery & Radiology, College of Veterinary & Animal Sciences, Pookode, Wayanad
		08-05-2011 to 21-09-2011	Dept of Veterinary Surgery & Radiology, College of Veterinary & Animal Sciences, Mannuthy
		23-08-2009 to 07-05-2011	University Veterinary Hospital. Kokkalai, Thrissur
3	Professor	01-02-2004 to 22-08-2009	Department of Veterinary Surgery & Radiology, College of Veterinary & Animal Sciences, Mannuthy

4	Associate Professor	28-12-1989 to 31-01-2004	Department of Veterinary Surgery & Radiology, College of Veterinary & Animal Sciences, Mannuthy
5	Associate Professor (Non-cadre)	20-12-1989 to 27-12-1989	Department of Veterinary Surgery & Radiology, College of Veterinary & Animal Sciences, Mannuthy
6	Assistant Professor	18-11-1985 to 19-12-1989	Department of Veterinary Surgery & Radiology, College of Veterinary & Animal Sciences, Mannuthy
		01-03-1984 to 17-11-1985	University Veterinary Hospital, Kokkalai, Thrissur
		31-12-1983 to 28-02-1984	Department of Surgery, College of Veterinary & Animal Sciences, Mannuthy
	Jr. Assistant Professor	01-07-1981 to 30-12-1983	Department of Surgery, College of Veterinary & Animal Sciences, Mannuthy
		10-04-1981 to 31-06-1981	University Livestock Farm, Mannuthy
		20-12-1979 to 09-04-1981 (First entry in service on 20-12-1979)	Department of Surgery College of Veterinary & Animal Sciences, Mannuthy

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 rate (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 (Chadrajewary: 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 fractions 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 evisceration - 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. Reproduct.* **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. Reproduct.* **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.
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Annexure – VII

Population Articles

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2. Pillai, R.M. and **Rajankutty, K.** 1990. “The new fungal disease in cattle”. *Kerala Karshakan*, Vol. 35, No.13, p. 20-21.
3. Martin, K.D.J.. and **Rajankutty, K.** 2002. Identify the crippling disease. *Souvenir-02*. Veterinarians State Convention. Organized by the Indian Veterinary Association (Kerala) at Malappuram, p. 105-111.
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5. **Rajankutty, K.** 2005. Importance of surgery in dogs. *Souvenir – 2004*. Dr. P.O. George Memorial South Indian Pet Show, Thrissur, organized by the Thrissur District Dog Lovers Association, p. 27-31.
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7. **Rajankutty, K.** and Ajitkumar, G. 2005. Feeding Schedule for Domestic Dogs. *Sunday Review*. Weekly Newspaper. Vol. 1, No.8, pp.9.
8. **Rajankutty, K.** and Ajitkumar, G. 2005. Training of pups – Primary lesions. *Sunday Review*. Weekly Newspaper. Vol.1, No.9, p. 9.
9. **Rajankutty, K.** and Ajitkumar, G. 2005. Primary Training of pups – *Souvenir – 2005*. All India Pet Show organized by The Pet Lovers Forum, Thrissur.

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 – IX

Participations in Workshops/Seminars/Symposia/Conferences etc.

Sl. No.	Name of the Seminar/Symposia/Conference	Organizing Institute/Organisation
1	Technical sessions on Anaesthesiology, Large Animal Surgery, Small Animal Surgery and Radiology (17 th to 19 th , December 1979)	Indian Society for Veterinary Surgery held at the Madras Veterinary College, Chennai

- 2 Technical sessions on Anaesthesiology, Large Animal Surgery, Small Animal Surgery and Orthopaedics and Radiology (4th to 6th, November 1982) Indian Society for Veterinary Surgery held at the College of Veterinary Science and Animal Husbandry, Bhuwaneswar, Orissa
- 3 Technical sessions on Anaesthesiology, Large Animal Surgery, Small Animal Surgery and Orthopaedics and Radiology (19th to 21st, November 1983) Indian Society for Veterinary Surgery held at the College of Veterinary and Animal Sciences, Mannuthy
- 4 Organised cattle show and Seminar on Livestock improvement through breeding – Problems and Prospects (July 8th, 1990) Indian Veterinary Association (Kerala Chapter). Veterinary College Uit held at the College of Veterinary and Animal Sciences, Mannuthy.
5. XXIV Annual Congress of Indian Society of Veterinary Surgery at the National Symposia on “Bio-prosthesis: Current Status in Small Animal Surgery” (10th to 12th, November 2000). Indian Society for Veterinary Surgery held at the College of Veterinary and Animal Sciences, Mannuthy
6. International Workshop on “Captive Elephant Management” (25th to 28th October, 2002) Jointly by Elephant Welfare Association, Thrissur, Royal Society for Prevention of Cruelty to Animals, London; Wildlife Trust of India & Asian Elephant Research and Conservation Centre, held at Thrissur
- 7 Indian Veterinary Science Congress (26th and 27th, December, 2003) Indian Veterinary Association (Kerala) held at the College of Veterinary and Animal Sciences, Mannuthy
- 8 Farmers’ & Scientific Seminars (15th to 18th October, 2004) Organised in connection with the Centenary Celebrations of University Veterinary Hospital, Kokkalai, Thrissur.
- 9 National Seminar on “Education, Research and Development of Animal Husbandry Sector in India (17th & 18th February, 2005) Organised in connection with the Golden Jubilee Celebrations of the College of Veterinary and Animal Sciences, Mannuthy.
- 10 Workshop on “Formulation of Recommendations for Control of Major Zoonotic Diseases in Kerala (4th July, 2006) Organized by Indian Veterinary Association, Kerala at the College of Veterinary and Animal Sciences, Mannuthy
- 11 XXXII Annual Congress of Indian Society for Veterinary Surgery and National Symposium on “Newer Concepts in Farm Animal Surgery in Augmenting Health, Production and Rural Economy” (6th to 8th November, 2008) Indian Society for Veterinary Surgery organized by the Department of Veterinary Surgery and Radiology, Veterinary College & Research Institute, Namakkal, Tamil Nadu
- 12 National Seminar on “Recent Trends in Animal Welfare and Sustainable Livestock Production” (20th January, 2009) Blue Cross Society of Thrissur, held at the College of Veterinary and Animal Sciences, Mannuthy.

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| 13 | Workshop on “Farm Journalism” (19 th October, 2011) | Organized by Directorate of Entrepreneurship, Kerala Veterinary and Animal Sciences, University held at the College of Veterinary and Animal Sciences, Pookode, Wayanad |
| 14 | National Canine Congress and Symposium on “New Horizons in Companion Animal Health & Management” (6 th to 8 th February, 2013) | Indian Society for Advancement of Canine Practice held at Hotel Melvin, Panaji (Goa) |
| 15 | National Symposium on “Current Concepts in Vaccination against Prevalent and Emergent Zoonoses” (16 th March, 2013) | Department of Veterinary Epidemiology and Preventive Medicine, College of Veterinary and Animal Sciences, Mannuthy |
| 16 | XXXVII Annual Congress of Indian Society for Veterinary Surgery and national Symposium on “Need for Specialization and Super-specialisation in Veterinary Surgery and Imaging Techniques for Professional Efficiency Development” (6 th to 8 th November, 2013) | Indian Society for Veterinary Surgery organized by the Department of Veterinary Surgery and Radiology, College of Veterinary and Animal Sciences, Mannuthy. |
| 17 | Workshop on “ <i>Valarthu Pakshi Meghala – Vijayavum Velluvilikalum</i> ” (26 th March, 2013) | Organised by Centre for Advanced Studies in Poultry Science and Indian Poultry Science Association, Kerala Chapter held at the College of Veterinary and Animal Sciences, Mannuthy. |
| 18 | XXIX Annual Convention of the Indian Society for study of Animal Reproduction and National Symposium on “Frontier Reproductive Biotechnologies for Enhancing Animal Fertility and Fecundity: Global Perspective” (8 th to 10 th January, 2014) | Indian Society for the Study of Animal Reproduction held at Nagapur Veterinary College, Nagapur (Maharashtra) |

Annexure – X

Papers presented in Seminars/Symposia/Conferences etc.

1. Caesarean Sections in Goats – A Report of 53 clinical cases. Philip, P.J., Nayar, K.N.M., Nayar, S.R., Varkey, C.A., Amma, T.S. and **Rajankutty, K.** IVth Symposium and IIIrd Annual Convention of Indian Society for Veterinary Surgery, held at the Veterinary College, Ranchi, From December 15th to 17th, 1980.
2. Epidural anaesthesia in goats. **Rajankutty, K.**, George, P.O., Nayar, K.N.M. Nayar, S.R. and Varkey, C.A. VI Symposium and Annual Convention of ISVS held at the College of Veterinary Science and Animal Husbandry, Bhubaneswar from November 4th to 6th, 1982.
3. Epidural anaesthesia in goats using lidocaine hydrochloride. **Rajankutty, K.**, George, P.O., Nayar, K.N.M., Nayar, S.R., Varkey, C.A. and Amma, T.S. VIIth Symposium and Annual Convention of ISVS held at the College of Veterinary and Animal Sciences, Mannuthy from December 19th to 21st, 1983.
4. Congenital visceral eventration – Case report. Martin, K.D.J., Dinesh, P.T. and **Rajankutty, K.** XXIV Annual Congress of the Indian Society for Veterinary Surgery and National Symposium on “Bio-prosthesis: Current Status in Small Animal Surgery”, held at the College of Veterinary and Animal Sciences, Mannuthy from November 10th to 12th, 2000.

5. Congenital luxation of patella in canines - Case report. Martin, K.D.J., Dinesh, P.T. and **Rajankutty, K.** XXIV Annual Congress of the Indian Society for Veterinary Surgery and National Symposium on "Bio-prosthesis: Current Status in Small Animal Surgery", held at the College of Veterinary and Animal Sciences, Mannuthy from November 10th to 12th, 2000.
6. Fixation techniques in long bone fractures in dogs. Balagopalan, T.P., Devanand, C.B., **Rajankutty, K.**, Amma, T.S. and Nayar, K.N.M. XXIV Annual Congress of the Indian Society for Veterinary Surgery and National Symposium on "Bio-prosthesis: Current Status in Small Animal Surgery", held at the College of Veterinary and Animal Sciences, Mannuthy from November 10th to 12th, 2000.
7. A case of squamous cell carcinoma of conjunctiva in a cow. Martin, K.D.J., **Rajankutty, K.** and Dinesh, P.T. XXIV Annual Congress of the Indian Society for Veterinary Surgery and National Symposium on "Bio-prosthesis: Current Status in Small Animal Surgery", held at the College of Veterinary and Animal Sciences, Mannuthy from November 10th to 12th, 2000.
8. An unusual case of intestinal obstruction in a dog. Martin, K.D.J., Dinesh, P.T. and **Rajankutty, K.** XXIV Annual Congress of the Indian Society for Veterinary Surgery and National Symposium on "Bio-prosthesis: Current Status in Small Animal Surgery", held at the College of Veterinary and Animal Sciences, Mannuthy from November 10th to 12th, 2000.
9. An alternate abdominal approach to gastro-oesophageal region in dogs. Amma, T.S., **Rajankutty, K.**, Suresh, J.D. and Nayar, K.N.M. XXIV Annual Congress of the Indian Society for Veterinary Surgery and National Symposium on "Bio-prosthesis: Current Status in Small Animal Surgery", held at the College of Veterinary and Animal Sciences, Mannuthy from November 10th to 12th, 2000.
10. Sub-urethral diverticulum in kids – Case reports. Dinesh, P.T., Martin, K.D.J., Jose, S. and **Rajankutty, K.** XXIV Annual Congress of the Indian Society for Veterinary Surgery and National Symposium on "Bio-prosthesis: Current Status in Small Animal Surgery", held at the College of Veterinary and Animal Sciences, Mannuthy from November 10th to 12th, 2000.
11. Pyometra associated with an unusual ventral cervico vaginal ridge in a nulliparous bitch (Poster Session). Ajitkumar, G., Martin, K.D.J., Dinesh, P.T., Aleyas, P., Ajithkumar, S., Suraj, S., Nair, N.D., **Rajankutty, K.** and Sreekumaran, T. XXIV Annual Congress of the Indian Society for Veterinary Surgery and National Symposium on "Bio-prosthesis: Current Status in Small Animal Surgery", held at the College of Veterinary and Animal Sciences, Mannuthy from November 10th to 12th, 2000.
12. Remission of signs of overt pseudopregnancy in bitches using bromocryptine. Ajitkumar, G., Martin, K.D.J., **Rajankutty, K.** and Athman, K.V. XVIIth Annual Convention of the Indian Society for Study of Animal Reproduction and National Seminar on "Fertility management of farm animals under adverse agro-climatic conditions" held at the Central Arid Zone Research Institute, Jodpur from October 6th to 8th, 2001.
13. Suppression of lactation in non-suckling bitches using bromocryptine. Ajitkumar, G., Martin, K.D.J., **Rajankutty, K.** and Athman, K.V. XVIIth Annual Convention of the Indian Society for Study of Animal Reproduction and National Seminar on "Fertility management of farm animals under adverse agro-climatic conditions" held at the Central Arid Zone Research Institute, Jodpur from October 6th to 8th, 2001.
14. Distocia due to longitudinal dorso ventral vaginal septum in a primiparous goat. Martin, K.D.J., Ajitkumar, G., Dinesh, P.T. **Rajankutty, K.** and Athman, K.V. XVIIth Annual Convention of the Indian Society for Study of Animal Reproduction and National Seminar

- on “Fertility management of farm animals under adverse agro-climatic conditions” held at the Central Arid Zone Research Institute, Jodpur from October 6th to 8th, 2001.
15. Ventral haematoma in a cow – A case report. **Rajankutty, K.**, Shenoy, S.J., Vijayakumar, V. and Dosan, K.K. Indian Veterinary Science Congress, organized by the Indian Veterinary Association (Kerala), held at the College of Veterinary and Animal Sciences, Mannuthy on December 26th and 27th, 2003.
 16. Prostaglandin therapy in bovine foetal mummification. Ghosh, K.N.A., Ajitkumar, G., **Rajankutty, K.** and Sreekumaran, T. Indian Veterinary Science Congress, organized by the Indian Veterinary Association (Kerala), held at the College of Veterinary and Animal Sciences, Mannuthy on December 26th and 27th, 2003.
 17. Incidence of dog bite wounds in Thrissur District. Narayanan, M.K., Martin, K.D.J., **Rajankutty, K.** and Alex, P.C. Indian Veterinary Science Congress, organized by the Indian Veterinary Association(Kerala), held at the College of Veterinary and Animal Sciences, Mannuthy on December 26th and 27th, 2003.
 18. Trochlear wedge recession sulcoplasty for the correction of patellar luxation in a dog. Narayanan, M.K., Syam, K.V., Martin, K.D.J., **Rajankutty, K.** and Alex, P.C. XXIX National Symposium on “Alternative Teaching and Research Methods to Animal Experimentation in Veterinary Surgery” held at the Division of Surgery, Indian Veterinary Research Institute, Izatnagar, U.P. from November 11 to 13th, 2005.
 19. A case of pneumonia in a Captive Hippopotamus. Vijayan, N., **Rajankutty, K.**, Ajitkumar, G. and Sivanesan, P. XXII Annual Convention of Indian Association of Veterinary Pathologists and National Symposium on “Newer Concepts in Animal and Avian Disease Diagnosis”. A Farmer, Industry and Institutional Dialogue & A Satellite Seminar on Principles of Histological Basis of Gross Pathology of CL Davis DVM Foundation, USA, held at Krantisinh Nana Patil College of Veterinary Science, Shirval, Maharashtra, from November 25 to 27, 2005.
 20. Unusually enlarged scrotum in a dog and its surgical management. **Rajankutty, K.**, Martin, K.D.J., Narayanan, M.K. and Alex, P.C. National Seminar on “Education, Research and Development of Animal Husbandry Sector in India”, held at the College of Veterinary and Animal Sciences, Mannuthy in connection with Golden Jubilee Celebration on 17th & 18th February, 2006.
 21. Lead Paper on “Role of Veterinary Surgery in Captive and Wild Animal Practices”. **Rajankutty, K.** XXXII Annual Congress of Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
 22. Electrocardiographic changes in ketamine-isoflurane anaesthesia in dogs. Narayanan, M.K., **Rajankutty, K.** and Amma, T.S. XXXII Annual Congress of Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
 23. Gastro-intestinal foreign bodies in dogs – A radiographic study. Narayanan, M.K., Martin, K.D.J., Ganesh, G. and **Rajankutty, K.** XXXII Annual Congress of Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
 24. Surgical excision of a large lipoma in a Labrador dog. Devanand, C.B., Narayanan, M.K., **Rajankutty, K.** and Priya, P. XXXII Annual Congress of Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
 25. Ultrasonographic evaluation of lower urinary tract disorders in dogs. Sheeja, V.M., Amma, T.S., **Rajankutty, K.**, Martin, K.D.J. and Pillai, U.N. XXXII Annual Congress of

- Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
26. Urolithiasis in dogs – A study of eight clinical cases. Sheeja, V.M., Amma, T.S., **Rajankutty, K.**, Martin, K.D.J. and Pillai, U.N. XXXII Annual Congress of Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
 27. Surgical management of vaginal hyperplasia in dogs. **Rajankutty, K.**, Narayanan, M.K., Devanand, C.B., Ajitkumar, G. and Maya, S. XXXII Annual Congress of Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
 28. Closed internal fixation of proximal epiphysary fracture of tibia in a she goat. **Rajankutty, K.**, Devanand, C.B., Narayanan, M.K. and Unnikrishnan, K. XXXII Annual Congress of Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
 29. Epidural administration of methyl prednisolone acetate for the treatment of paraplegia in dogs. Seena, K.M., Amma, T.S., Venugopal, S.K., **Rajankutty, K.** and Jayakumar, K.M. XXXII Annual Congress of Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
 30. Effect of metacarpal osteotomy and traction for lengthening of forelimb in calves. Kumerasan, A. and **Rajankutty, K.** XXXII Annual Congress of Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
 31. Vaginal fibroma in a German Shepherd Dog. **Rajankutty, K.**, Devanand, C.B., Narayanan, M.K., Priya, P. and Unnikrishnan, K. (Poster Session). XXXII Annual Congress of Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
 32. Prolapse of nictitans gland ('Cherry eye') in dogs – A clinical study. **Rajankutty, K.**, Narayanan, M.K., Martin, K.D.J., Devanand, C.B. and Archana, A. (Poster Session). XXXII Annual Congress of Indian Society of Veterinary Surgery and National Symposium held at the Veterinary College and Research Institute, Namakkal, Tamil Nadu from 6th to 8th November, 2008.
 33. Early surgical neutering: A successful and ethical way to control stray dog population (poster presentation). Narayanan, M.K. and **Rajankutty, K.** 24th Kerala Science Congress held at Rubber Research Institute of India, Kottayam from 29th to 31st January 2012.
 34. Anaesthesia and surgical management of pleural effusion and rib fracture in a pup bitten by stray dog. Martin, K.D.J., Narayanan, M.K., Varghese, S.M. and **Rajankutty, K.** XXXVII Annual Congress of Indian Society for Veterinary Surgery held at the College of Veterinary and Animal Sciences, Mannuthy, Thrissur, Kerala from 6th to 8th November, 2013.
 35. Surgical management of crop trauma in a pigeon. **Rajankutty, K.**, Jaikumar, V.S., Antonia, N.A. and Philip, S.B. XXXVII Annual Congress of Indian Society for Veterinary Surgery held at the College of Veterinary and Animal Sciences, Mannuthy, Thrissur, Kerala from 6th to 8th November, 2013.
 36. Clinical and radiographical evaluation of fracture healing in external skeletal fixation in goats. Joy, B., Venugopal, S.K., Anoop, S., Nair, N.D. and **Rajankutty, K.** XXXVII Annual Congress of Indian Society for Veterinary Surgery held at the College of

- Veterinary and Animal Sciences, Mannuthy, Thrissur, Kerala from 6th to 8th November, 2013.
37. Early neutering in dogs (END) and adoption: A welfare initiative for the stray dogs. Narayanan, M.K., Martin, K.D.J., Devanand, C.B. and **Rajankutty, K.** XXXVII Annual Congress of Indian Society for Veterinary Surgery held at the College of Veterinary and Animal Sciences, Mannuthy, Thrissur, Kerala from 6th to 8th November, 2013.
 38. Surgical management of intussusceptions in a pup. Narayanan, M.K., Martin, K.D.J. and **Rajankutty, K.** XXXVII Annual Congress of Indian Society for Veterinary Surgery held at the College of Veterinary and Animal Sciences, Mannuthy, Thrissur, Kerala from 6th to 8th November, 2013.
 39. Surgical management of urinary calculi in a female dog. Narayanan, M.K., Martin, K.D.J. and **Rajankutty, K.** XXXVII Annual Congress of Indian Society for Veterinary Surgery held at the College of Veterinary and Animal Sciences, Mannuthy, Thrissur, Kerala from 6th to 8th November, 2013.
 40. Cryosurgical management of exuberant granulation in the foot of Asian elephants (*Elephas maximus*). Giridas, P.B., Alex, P.C., **Rajankutty, K.**, Pillai, U.N. and Joseph, S. XXXVII Annual Congress of Indian Society for Veterinary Surgery held at the College of Veterinary and Animal Sciences, Mannuthy, Thrissur, Kerala from 6th to 8th November, 2013.

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).

Annexure – XII

Other Duties/Tasks/Extension Activities etc. undertaken

1. Secretary, Indian Veterinary Association (Kerala Chapter), Veterinary College Unit (1990).
2. Veterinary Surgeon, State Museum & Zoo, Thrissur (20.11.2004 to 01.08.2006)
3. Treasurer, Parent Teachers Association, College of Veterinary and Animal Sciences, Mannuthy (2004-2005).
4. Chief Surgeon, Sterilization Camp for deer at the Deer Park, Hill Palace, Tripunithura, Ernakulam (11th to 15th, October, 1999)
5. Member, Expert team for evaluating the health status of the animals at the Snake Park, Parassinikadavu as directed by Hon. High Court of Kerala.
6. Referee to Scientific Journals viz., *Indian J. Vet. Surg.*, *Cherion*, *J. Vet. Anim. Sci.* etc.

7. Organising Committee Convenor, All India Agricultural University Festival held at the campus of Kerala Agricultural University Head Quarters, Vellanikkara (2001).
8. Organizing Committee Member, International Seminar on “Captive Elephant Management” organized by Elephant Welfare Association, Thrissur.
9. Clinical Services to Livestock farmers and Pet’s owners.
10. Training to Veterinarians and para clinical personnel at the Department of Veterinary Surgery and Radiology, College of Veterinary and Animal Sciences, Mannuthy.
11. Chairman, Blue Cross Society of Thrissur (2008-2009).
12. Organising Committee Convenor, Centenary Celebrations (2004), University Veterinary Hospital, Kokkalai, Thrissur.
13. General Convenor, XXXVII Annual Congress of Indian Society for Veterinary Surgery and National Symposium on “Need for Specialization and Superspecialisation in Veterinary Surgery and Imaging Techniques for Professional Efficiency Development”, held at the College of Veterinary and Animal Sciences, Mannuthy from 6th to 8th November, 2013.
14. Course Associate for the conduct of the clinical training for field Veterinary Officers at the University Veterinary Hospital, Kokkalai, Thrissur.
15. Research Co-Ordination Committee member, Faculty of Veterinary and Animal Sciences, Kerala Agricultural University.
16. External Examiner for the undergraduate and post graduate (Masters and Doctorate) courses of Tamil Nadu University of Veterinary and Animal Sciences, Chennai; Karnataka Veterinary and Fisheries Sciences University, Bidar; Rural Institute, Gandhigram, Madurai, Tamil Nadu and Sree Venketeswara Veterinary University, Tirupati.
17. Member in the Selection Committee for various scientist/teaching posts of Sree Chitra Tirunal Institute of Medical Sciences and Technology, Thiruvananthapuram; Tamil Nadu University of Veterinary and Animal Sciences, Chennai; Karnataka Veterinary and Fisheries Sciences University, Bidar; Rural Institute, Gandhigram, Madurai, Tamil Nadu and Sree Venketeswara Veterinary University, Tirupati.
18. Executive Member, Parent Teachers Association (Retd. Teacher’s Nominee), College of Veterinary and Animal Sciences, Mannuthy (2015).
19. Member Secretary, Institutional Animal Ethics Committee, Jubilee Mission Medical College and Research Institute, Thrissur.

Annexure – XIII

Memberships in Professional and other Organisations

1. Indian Society for Veterinary Surgery
2. Indian Veterinary Association
3. Indian Society for the Study of Animal Reproduction
4. Indian Society for Advancement of Canine Practice
5. Blue Cross Society of Thrissur
6. Elephant Welfare Association, Kerala
7. Alumini Association, College of Veterinary and Animal Sciences, Mannuthy.
8. Kerala Veterinary University Retired Teachers’ Association.