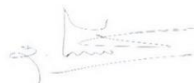


CURRICULUM VITAE

I hereby declare that all information presented in this C.V
is true to my knowledge as on September, 27th, 2025



(B. Justin William)
VCI Reg. No. 4374/18/12/2008



I. PERSONAL

1.	Name with Discipline	:	Dr. B. JUSTIN WILLIAM Veterinary Surgery and Radiology
2.	Department/office and station in which working with full postal address with designation	:	Professor and Head (Retd) Dept. of Veterinary Surgery and Radiology & Centre for Stem Cell Research and Regenerative Medicine Madras Veterinary College Chennai – 600 007
3.	Date of Birth Date of Retirement Scale of Pay/ Salary drawn	:	11.01.1957 31.01.2017 Rs. 199600/-
4.	Place of work	:	Professor and Head, Department of Veterinary Surgery and Radiology, Arawali Veterinary College VPO. Bajor, Sikar, Rajasthan, India Pin. 332001 Mobile 9677219317
5	Permanent address & Address for communication &	:	KollenVettiVillai, Palapallam, P.O, Kanyakumari Dist, Tamil Nadu – 629 159, India

6	Email ID	:	vetjust@gmail.com
	Mobile	:	9677219317
7.	Date of first appointment in each category		
	Assistant Professor	:	18.07.1988
	Assistant Professor (SS)	:	11.01.1996
	Associate Professor	:	02.12.1999
	Professor	:	18.07.2005
	Professor, CVS&AH, Tripura	:	29.01.2018 - 31.08.2019
	ACVM, Jaipur		16.09.2019 – 13.04.2002
	Arawali Veterinary College		15.04.20022 – till date

II. EDUCATION (Post-Graduation onwards)

Sl No.	Institution Place	Degree Awarded	Year	Field of Study
1.	Madras Veterinary College	Ph. D	28-01-1994	Veterinary Surgery and Radiology
2.	Madras Veterinary College	M.V.Sc	07-10-1986	Veterinary Surgery and Radiology
3.	Madras Veterinary College	B.V.Sc.	March, 1983	Veterinary and Animal Sciences
4.	Scott Christian College, Nagercoil	B.Sc.	10-06-1977	Zoology
5.	University of Toronto, McMaster University and Ontario University, Canada	Graduate course Regenerative Medicine, MSC 7000Y (Web telecast)	2009 batch	Regenerative Medicine

III. POSITION AND EMPLOYMENT (Starting with the most recent employment)

Sl No.	Institution Place	Position	From (Date)	To (date)
1.	Department of Veterinary Surgery and Radiology, Arawali Veterinary College, Sikar, Rajasthan	Professor and Head	16.04.2022	Till date

2.	Department of Veterinary Surgery and Radiology Apollo College of Veterinary Medicine, Jaipur, Rajasthan	Professor and Head	16.09.2019	13.04.2022
3.	Department of Veterinary Surgery and Radiology, College of Veterinary Sciences & Animal Husbandry, Agartala, Tripura	Professor and Head	29.01.2018	31.08.2019
4.	Centre for Stem Cell Research and Regenerative Medicine, MVC	Professor and Head	28.07.2014	31.01.2017
5.	Department of Veterinary Surgery and Radiology, MVC & Centre for Stem Cell Research and Regenerative Medicine, MVC	Professor and Head	19.06.2013	28.07.2014
6.	Department of Veterinary Surgery and Radiology, MVC	Professor and Head	31.08.2012	28.07.2014
7.	Dept. Veterinary Surgery and Radiology, MVC	Professor	02.05.2008	31.08.2012
8.	Dept. Clinics, MVC	Professor	03.07.2007	02-05-2008
9.	VUTRC, Nagercoil	Professor	12.04.2006	02.07.2007
10.	Dept. Surgery, MVC	Assoc. Professor	06.05.2003	11.04.2006
11.	Dept. Surgery, VC&RI	Assoc. Prof & Head,	04.01.2002	05.05.2003
12.	Dept. Clinics, VC&RI	Assoc. Prof.	15.09.2000	03.01.2002
13.	Dept. Surgery, VC& RI	Assoc. Prof	02. 12. 1999	14. 09. 2000
14.	Dept. Surgery, MVC	Assist. Prof. (SS)	11.01. 1996	01. 12. 1999
16.	Dept. Biotech., MVC	Assist. Prof.	03.12.1992	23. 01.1994
17.	LRDC, Tirunelveli	Assist. Prof.	18.07.1988	02. 12. 1992

MVC = Madras Veterinary College VUTRC = Veterinary University Training and Research Centre VC&RI = Veterinary College and Research Institute, LRDC = Livestock and Research and Development Centre.

IV. PROFESSIONAL - CVMP

Attended

Name of the Training/ seminar/ conference/symposia/ workshop etc.		Name of the sponsoring agency	Place	Date
a. National				
1.	Seminar on Mastitis	TANUVAS	VC&RI Namakkal	21- 22 nd Feb. 1994
2.	Summer school on Recent Advances in the surgical techniques and their applications in farm and pet animals	ICAR	MVC	6- 25 th June 1994
3.	MS Windows, MS office and Page Maker	TANUVAS	MVC	15 – 25 th July 1996
4.	Advanced course in Veterinary Surgery and Radiology	Centre for Advanced Studies in Vet. Surgery & Radiology	Ludhiana	11 – 25 th March 1996
5.	XXIII Annual Congress – Recent trends in the Diagnostic and surgical management of urinary system affections in veterinary practice	MVC,	Chennai	9 – 11 th Dec. 1999
6.	XXX Annual congress of ISVS	Vet. College	Bider	2 nd -4 th Nov. 2006
7.	Seminar on Transgenic Animals	Udaya School of Engineering	Nagercoil	14 th Feb. 2007
8.	Criteria and standards of Euthanasia in animals	TANUVAS	Chennai	20 th March 2008
7.	TANUVAS-INTAS 2 nd Farm Animal Clinical Case management competition	TANUVAS	Chennai	9 th -10 th , Aug, 2010
7	Innovative research approaches for diagnostic pathology	Indian Association of Pathologists	Chennai	29 th &30 th Dec., 2011
8	Current nutritional concepts for productivity enhancement in livestock and poultry	TANUVAS	Chennai	09.07.2013
9	Current nutritional concepts for productivity enhancement in livestock	TANUVAS	Chennai	29 th &30 th Aug., 2013

10	Workshop on development and delivery of online e-courses for continuous professional development programmes in veterinary and animal sciences	TANUVAS	Chennai	22 nd - 24 th , Jan. 2014
11	Seminar on current research in veterinary and animal husbandry	Indian Veterinary Association	Chennai	Nov, 2019
b. International				
1.	Second Asia Pacific Conference on Agricultural Biotechnology	National Academy of Agricultural Sciences & ICAR	Chennai	6 – 10 th March 1994
2.	Large Animal Critical Care and Maintenance	TANUVAS, AHRDP, FAO	Bristol, U.K	18th Jan – 17th July 2000
3.	International conference on Alternative to the use of Animals in Research and Education	CPCSEA	New Delhi	18– 20 th Feb 2000
4.	Annual Plenary Session & Symposium on stem cells	NCRM	Chennai	11 th Oct 2008
5.	Equine Colic Seminar	TANUVAS & Michigan State University	Chennai	22 nd -23 rd Nov.2008
6	Orientation cum Training programme on development of content and content repositories	ICRISAT&TANUVAS	Chennai	7 th -11 th July 2008
7	Chennai Digestive Diseases week 2009	WGO and EUS	Chennai	11 th -12 th April 2009
8	Annual Plenary Session & Symposium on stem cells	NCRM	Chennai	24 th Oct 2009
9	Regenerative Medicine MSC 7000Y (Web telecast)	University of Toronto, McMaster University and Ontario University	Canada	2009 batch
10	International conference on Wildlife Conservation, health and disease management – A post millennium approach	TANUVAS	Chennai	3 rd -5 th Feb 2010

11	Oral hygiene and dental surgery in pet animals	TANUVAS & Kasetsart University, Thailand	Chennai	7 th March 2010
12	Veterinary education in South Asia in 2025 – Issues, Strategies and Road Map for Development	TANUVAS, British Council & DFID	Chennai	22 nd & 23 rd 2010
13	Annual Plenary Session & Symposium on stem cells	NCRM	Chennai	9 th Oct 2010
14	Short term training programme on regenerative medicine	Virginia-Maryland Regional College of Veterinary Medicine	USA	20th April – 19th July 2012
15	Willed body programme and other humane alternatives in veterinary education	Mumbai Vet. College	Mumbai	06.06.2013
16	6 th International clinical case conference for next generation veterinarians to face challenges in clinical practice	TANUVAS	Chennai	3 rd & 4 th July, 2014

Programmes organized

1. **Associate Director** – Summer school advances in anaesthetic radiological and surgical management of soft tissue and specific disorders in farm and companion animals. 16th June – 15th July 1997
2. **Associate Director** – Winter School – 2004
3. **Associate Director** – Summer School – 2008 Advances in Management of procedures for Emergency and Critical care in Farm and pet Animals 11th Nov – 1st Dec, 2008
4. **Course Coordinator** for the following Training programmes
 - a. Anaesthetic methods in Large and Small animals, 1 – 15 Aug 1997
 - b. Radio diagnosis - 1 – 10th Oct. 1997
 - c. Basic surgical conditions in farm and pet animals 15-30th Oct. 1997
 - d. Ruminant surgery 15 – 30th Oct. 1997
 - e. Large animal surgery, offering every year
 - f. Small animal anaesthesia, offering every year
5. **Programme Coordinator** – *International Seminar on Frontiers of Stem Cell and Biotechnology in Human and Veterinary Medicine* 15th & 16th July 2010 with 350 participants jointly organized with Virginia Tech, USA & NCRM, and Chennai

6. **Organizing Secretary**– *Second International Seminar on Frontiers of Stem Cell and Biotechnology in Human and Veterinary Medicine* 18th& 19th July 2011 with 350 participants jointly organized with Virginia Tech, USA & NCRM, Chennai
7. **Course Director**– ICAR sponsored summer school on *Strategies of stem cell research in veterinary regenerative medicine and animal production* 1st to 21st Nov. 2011
8. **Organizing Secretary**–*International Conference on Frontiers of Stem Cell and Biotechnology in Human and Veterinary Medicine* 11th& 12th Jan 2013 with 350 participants jointly organized with Virginia Tech, USA & NCRM, Chennai
9. **Course Director** – Training Programmes Organized in The Dept. Veterinary Surgery and Radiology, MVC 2013 & 2014
 - a. Veterinary Orthopaedics
 - b. Veterinary Surgical Ophthalmology
 - c. Soft tissue surgery
 - d. Large Animal Surgery
10. **Convener** – Free Animal Dental Camp- 7th Oct. 2013.
11. **Convener** – Small animal ophthalmic surgery – 9th&10th, Feb., 2013.
12. **Convener** – Cutaneous reconstructive surgery - 9th& 10th April 2013
13. **Co-course Director** – Recent developments in medicine and surgery in buiatric practice – 28.05.2012-30.08.2012
14. **Faculty** – Endoscopy training April/ May 2013
15. **Course Coordinator** – Ward exposure in small animal clinic 25.04.2013 to 14.05.2013

V.EDUCATION

Undergraduate:

Courses Offered – The following courses are offered from 1994

1. Principles of Surgery, Radiology and Anaesthesia
2. Small animal surgery
3. Large animal surgery
4. Clinical Training
5. Regional and Clinical surgery II –and lameness
6. Regional surgery of head and neck

Postgraduate

1. Advances in veterinary anaesthesia
2. Small animal anaesthesiology
3. Large animal anaesthesiology
4. Principles of surgery
5. Advanced Anaesthesiology
6. Practices in Large Animal Surgery
7. Experimental surgery and organ and tissue transplantation techniques
8. Practices in Large Animal Surgery
9. Advanced Anaesthesiology

Student M.V.Sc and Ph.D Chairman/ Member

S.No	Topics	Year	Chairman/ Member
<u>List of Ph.D Thesis - completed</u>			
1	Ultrasonographic and theloscopic examination and theloscopic surgery of udder and teat in dairy cows and buffaloes	2011	Chairman
<u>List of M.V.Sc thesis - completed</u>			
1	Feline vertebral fixation and spinal cord injury surgical management	2017	Chairman
2	Anaesthetic protocol for dogs with renal insult	2017	Chairman
3.	Equine anaesthesia – Butorphanol-xylazine/ dexmedetomidine-ketamine/propofol – isoflurane protocol	2016	Chairman
4.	Immobilization, induction and maintenance of anaesthesia in Asiatic lions	2015	Chairman
5.	Autologous mesenchymal stem cells with low dose of ascorbic acid and dexamethasone for the management of canine osteoarthritis	2013	Chairman
6.	Equine postoperative analgesia using Nelubumine, xylazine/ acepromazine and ketamine combinations	2012	Chairman
7.	Autologous platelet rich plasma for the management of canine osteoarthritis	2010	Chairman
8.	Propofol induction and isoflurane / sevofluranemaintenance in midazolam premedicated dogs with compromised renal function	2008	Member
9.	Stress response to surgery under ketamine/propofol anaesthesia in acepromazine-xylazine premedicated horses	2008	Chairman
10	Evaluation of autogenous fascia lata for the repair of perineal hernia in dogs	2007	Member
11.	Diazepam –ketamine and xylazine- ketamine anaesthetic diazepam –ketamine and xylazine- ketamine anaesthetic regimen in macacaradiata (bonnet macaque)	2006	Member

12.	Propofol or ketamine as maintenance agents in xylazine-ketamine induced captive lions	2005	Member
13.	Stress response to ketamine anaesthesia in xylazine and xylazine midazolam premedicated lions (panthera leo)	2005	Member
14.	Midazolam and haloperidol as an adjunct to xylazine - ketamine anaesthesia in horses	2005	Chairman
15.	Pentazocine and butorphanol as post-surgical analgesics in ovariohysterectomised bitches	2005	Member
16.	Diaphragmatic herniorrhaphy / hernioplasty under detomidine premedication in cattle	2003	Chairman
17.	Clinical and radiographic evaluation of foot affections in horses	1999	Chairman
18.	Partial penetrating keratoplasty using fresh and preserved allogenic corneal grafts in zebu calves	1999	Chairman
19.	Stress response to surgery under xylazine or detomidine premedication, ketamine induction and halothane or isoflurane maintenance in horses	1998	Chairman
20.	Atracurium and pipecuronium as muscle relaxants under halothane anaesthesia in cats	1998	Member
21.	Detomidine as a sedative and as a premedicant to ketamine - guaifenesin anaesthesia in cattle	1998	Member
22.	Ketamine anaesthesia with xylazine or detomidine premedication and reversal with yohimbine and 4-aminopyridine combination in horses	1998	Chairman
23.	Anaesthetic and cardiopulmonary evaluation of halothane and isoflurane under dorsal and lateral recumbency in cattle	1997	Chairman
24.	Yohimbine as reversal agent in cattle under xylazine sedation / xylazine - ketamine anaesthesia	1997	Chairman
25.	Ketamine-halothane anaesthesia in xylazine or acepromazine premedicated equine	1996	Chairman
26.	Glycerylguaiacolate as an adjuvant to ketamine anaesthesia in diazepam and acepromazine premedicated bitches for caesarean section	1996	Chairman
27.	Evaluation of local and general anesthesia with and without intermittent positive pressure ventilation (IPPV) for thoracopericardiotomy in bovines	1996	Chairman

Books

1. Hand Book on Practices in Veterinary Anaesthesia (USO. No. 20078/ A3/2007 Rc. No. 8199/ A3/2007 dated 14.05.07 of The Registrar, TANUVAS)
2. Principles of General Surgery (USO. No. 20078/ A3/2007 Rc. No. 8199/ A3/2007 dated 14.05.07 of The Registrar, TANUVAS)

3. Author Anaesthesia of Asiatic lions – Lambert Publication 2016 –
4. Equine anaesthesia – 2016 Lambert Publication **978-3-659-92039-4**
5. Author and editor for PG. Diploma In Regenerative medicine – course material 1st & 2nd Semester- 2013
6. Collections of corrective shoes for horses - 1999

E. learning

1. VSR – 411 General surgery, Anaesthesiology and diagnostic imaging 2+2 for Undergraduate B.V.Sc. students.

Teaching and Lab Manuals

1. Practical manuals for VSR Unit 1, 2, 3, 4, 5, & 6- 2020-21
2. Practical manuals for VSR 411, 421 & 511 VSR - 2018
3. Practical manuals for VSR 411, 421 & 511 VSR - 2018
4. Practical manual for Veterinary Surgery and Radiology (VSR 511) – 2013, 2014, 2015
5. Practical manual for Veterinary Surgery and Radiology (VSR 421) – 2013, 2014
6. Practical manual for Veterinary Surgery and Radiology (VSR 411) – 2012, 2013, 2014, 2015 Editor and Author
7. Practical Manual of Veterinary Surgery and Radiology, – 1996 - *Editor and Author*
8. Surgical Techniques of Large and Small Animals- 1997 – *Editor and Author*
9. Soundness and Jurisprudence Practical Record – 1995 – *Contributor*
10. Manual of Small and Large Animal Anaesthesia – 1997 - *Editor and Author*
11. Surgical Techniques in Bovines, Caprines and Ovines – 1998 - *Editor and Author*
12. Manual of Veterinary Radiology, 1997. – *Editor and Author*
13. Comprehensive Surgery Clinical Record, 1996. - *Editor and Author*
14. Comprehensive Clinical Record Surgery and Radiology - 2005 (Revised) – *Editor and Author*

Postgraduate Diploma courses started and offered

1. **Course Director, Course Coordinator & Contributor** - Postgraduate Diploma in Regenerative Medicine from 2012
2. **Course Director & Contributor** – Postgraduate Diploma in Small animal Ophthalmology from 2012
3. **Course Director & Contributor** - Postgraduate Diploma in Small animal Orthopaedics from 2012

Students Hostel activities:

Warden – Madras Veterinary College Hostel from 01.01.2011 to 19.01.2015 (Honorary as additional duties)

Deputy Warden - Madras Veterinary College Hostel from 21-06-1995 to 1-12-1999(Honorary as additional duties)

Education cell:

Member Education Technology Cell, MVC from 6- 3- 1999
Member Education Technology Cell, VC & RI, Namakkal from
2-11-2000

Enrichment of campus life / Students activities:

1. **Assistant Coordinator Accompanied** 1991 - 92 batch B.V.Sc students for All India Tour
2. **Tour Coordinator** - Accompanied the 2001 batch B.V.Sc students as (L. Dis No. 12059 / E1 / 2003 dt. 9 -7 -2003 of the Registrar, TANUVAS)
3. Member, Intellectual Property Management Committee, TANUVAS from 16 – 4- 1999
4. Member Institutional Ethical Committee, VC& RI, Namakkal from 2000
5. Member – University level NSS advisory committee – 2014
6. Faculty – Endoscopic training, 2013
7. Scrutiny Work, Tamil Nadu Professional Entrance Examination, 1994
(USO.No. 20059/ A3/ 94 Rc. No. 8174 / A3/ 94 dt. 16. 5. 94 of The Registrar, TANUVAS)

VI. RESEARCH

Research projects					
S.N o.	Name of the scheme/project	Name of the funding agency	Duration	Funds obtained (INR in lakhs)	PI/ Co-PI
Completed					
1.	Clinical evaluation of Chitin and Chitosan as biodegradable surgical implants in farm and pet animals	ICAR	3 years from 17. 12. 1996	8.448	Co. P.I
2.	Clinical efficacy of Melonex Power in the treatment of Mastitis, Pneumonia, Uterine	Intas Pharma	2 months from 15 . 2. 07	0.017,250	P.I

	Prolapse and Musculo skeletal Disorders in Cattle and Buffaloes				
4.	Funds for Improvement of Science and Technology infrastructure in Universities and Higher Education	Dept. Science & Tech, India	5 years	13.00	Co.P.I
3.	Health cover to captive Wild Animals (Prolifically Breeding Wild animals) maintained at Arignar Anna Zoological Park, Vandalur	Chief Conservator of Forests& Director A.A.Zologic al park	3 years	180.00	Co.P.I
Ongoing					
5	Augmenting Animal Productivity and advanced Veterinary Care delivery through continuing education to field veterinarians	NADP	5 years – from 2012	176.30	Co.PI
6	Networking of diagnostic imaging and surgical management in animals	ICAR	On progress in the institution	800.30	PI
7	Establishment of Centre for stem cell research and Regenerative medicine	TN Govt.	On progress in the institution	648.45	PI

A. Others sponsored research

- Graze Land Poisoning in Livestock – Concluded – 1989
- Surgical Embryo transfer in goats – Part. II Scheme – 1992

VII. TECHNOLOGY TRANSFER

- a. Field arthro-pump for the joint lavage in septic arthritis – Released in 4th Technology Release Meet, 2013
- b. Evolved endotracheal intubation techniques in Asiatic lions through digital palpation of glottis – 2015
- c. Isolation of adipose derived mesenchymal stem cells from omentum

VIII. AWARDS / HONORS

- K.J. Hospital Award for the highest marks in Surgery, M.V.Sc. 1987.
- Panel Veterinarian for Quarantining horses, Ministry of Agriculture, Govt. of India.
- FAO FELLOW, 16th Jan 2000
- Certificate of Appreciations – Technology Transfer – Field Arthro-pump - Treatment of Septic Arthritis in Cattle and calves – 2009.
- Best poster – Advanced veterinary practice in medicine and surgery – Augmenting health and production, 21st-25th June 2006
- Second Best oral presentation – National symposium in diagnostic and Therapeutic approaches for economically important diseases of livestock and companion animals, ISVM, 2010
- Second rank – TANUVAS – IntasNeovet Food animal clinical case conference – 2009
- Third rank – TANUVAS – IntasNeovet Food animal clinical case conference – 2009
- Appreciation – Paper presentation in NCRM NICHE on stem cell & regenerative medicine – 2009
- First rank – TANUVAS – IntasNeovetFarm animal clinical case conference – 2010
- Second rank – TANUVAS – IntasNeovet Food animal clinical case conference – 2010
- Gold medal – ISVS – 2012 Orthopaedic surgery session
- i. Gold medal ISVS – Small animal surgery session 2012
- Certificate of Commemoration for **25 years of unblemished service**, TANUVAS – 2013
- Ministry of Finance, Govt. of India – Bronze category for tax payment for the FY 2016-17
- ISVS –Best paper Award – 2015 – Equine session
- ISVS – Appreciation Award presentation – 2015 – Wild and Zoo Animal Surgery session

International / National Recognitions:

- i. Award for Veterinary Excellence, ATRA & PFA, **Italy** 2007
- ii. Review editor for Animal Science Review
- iii. **Member** – Purchase committee for Purchase of 16 horses for Mounted branch, In **Greater Chennai City Police** – 2013.
- iv. **Expert** – Chemical immobilization and translocation of 6 elephants from the forest area of Thiruvanamalai 2014
- v. **Expert**– Population control in Lion, Black buck, Sambar deer & Spotted deer – 2008
- vi. Member – Purchase committee for horses – TNAH Dept. 2011
 - i. **Awarded Teaching Assistant** and course contact for the **Training Programme on Regenerative medicine** offered by The University of Toronto, McMaster University and Ontario University, Canada, for the academic years 2009-10, 2010-11 & 2011-12
 - ii. **Veterinary Council of India – Inspector**
 - iii. **Member secretary – Institutional Committee for Stem Cell Research and Therapy, TANUVAS.2014**
 - iv. **Chairman – Stem Cell Research and Regenerative medicine committee, TANUVAS, 2014**

IX. INVITED LECTURES / LEAD PAPERS

1. Stem cell clinical use – 2015
2. Veterinary anaesthetic and surgical emergencies in disaster management – Veterinary Emergency response during disaster, 12.08.2013.
3. Spinal cord regeneration in dogs, 2012
4. Scaffold and stem cell based spinal cord neuroregeneration 2011
5. Mechano induced differentiation of mesenchymal stem cells: potential application in the development of engineered constructs for musculoskeletal tissue regeneration 2011
6. Stem cell based regenerative therapy for spinal cord regeneration 2011
7. Stem cell and regenerative therapy for spinal cord injury – 2010
8. Restraining and capture of wild animals, Nagpur 2010
9. Surgical interventions in wild animals, Nagpur 2010

10. Therapeutic potentials of stem cells 2010
11. Intralesional application of bone marrow mononuclear stem cells seeded in thermo reversible gelation polymer for spinal cord injury in a dog. NCRM, 2009.
12. Wild life anaesthesia – Technical session, Protocol for the veterinary care and safety of wild animals during transportation, 28.01.2011
13. Techniques of Embryo transfer in farm animals – ‘Seminar on Transgenic Animals’, Udaya School of Engineering, Kanyakumari – 14th Feb. 2007
14. Surgical Conditions in Farm Animals. ‘Training Prog. Bovine Infertility’, Dept. Anim. Prod. And Obs. Gyn., MVC. 12 – 16th Sept. 2005
15. Surgical Conditions in Farm Animals. ‘Training Prog. Bovine Infertility’, Dept. Anim. Prod. And Obs. Gyn., MVC. 3 – 7th Sept. 2005
16. Surgical Conditions in Farm Animals. ‘Training Prog. Bovine Infertility’, Dept. Anim. Prod. And Obs. Gyn., MVC. 17 – 21st Oct. 2005
17. ‘Disease and Health Management of Elephant’, Dept. Wild Animal Sciences, MVC, 23 – 28th March. 2006
18. ‘Surgical Techniques in Wild Animals’, Summer Institute, Dept. Wild Anim. Sci. 3 – 23rd Oct. 2007
19. ‘Hoof Affections In Farm Animals and , Continuing Veterinary Medical Education Programme’. IntasPharma. Madurai. 13th July. 2007.
20. ‘Diagnostic Imaging Techniques for diagnosis of Lameness in Equines’. Winter School. Dept. Clinics, MVC 3 – 23rd Dec. 2007
21. Surgical diseases of udder and teat – Dairy Production and health - 2008
22. Lead paper – Concepts of Surgical management in Wild Animals – 2009
23. Ovariosalpingectomy in captive Mugger crocodiles – 2009
24. Abolition of Sulcus Spermaticus – Anew Birth control procedure in male Mugger crocodiles – 2009
25. Stem cells – clinical application 2009
26. Comparison of superovulatory response of crossbred cows to PMSG, FSH and Folltropin. *Second Asia Pacific Conference on Agricultural Biotechnology*. 1994.
27. Use of cut down cannula for intra fallopian embryo transfer *Second Asia Pacific Conference on Agricultural Biotechnology*. 1994

28. Use of xylazine ketamine anaesthesia for embryo transfer in goats. *Second Asia Pacific Conference on Agricultural Biotechnology*. 1994

X. RESEARCH PUBLICATIONS

1. **William, B.J.**, S. Balachandran and J.T.Dawson, 1989. Hernioplasty for reticular hernia in a cross bred heifer. *Indian Vet.J.*, 66:1070.
2. **William, B.J.**, J.J.Kirubaharan and S. Balachandran, 1989. Post-operative complications of rumenotomy. *Indian Vet.J.*, **67** : 1161 – 1162.
3. **William, B.J.**, J.J.Kirubaharan and S. Balachandran, 1990. Traumatic reticulopericarditis and endocarditis by an unusual foreign body in a cow. *J. Vet. Anim. Sci.*, **21** :163 – 164.
4. **William B.J.**, W.P. Archibald David, N.N.Balasubramanian and M.S.D.M.Mohammed, 1991. Procaine and lidocaine as adjunct to Thiopentone sodium anaesthesia in canines. *Indian J. Vet. Surg.*, **13** :24. 94.
5. Ameerjan, K., M.S.D.M.Mohammed, N.N.Balasubramanian and **B.J.William**, 1992. Ketamine –diazepam anaesthesia in cats. *Indian J. Vet.Surg.*, **13** :24.
6. **William, B.J.**, J.J.Kirubaharan, J.J.Kumanan and S. Balachandran, 1992. Survey on the incidence and complications of bovine cutaneous papillomatosis. *Indian Vet.J.*, **69** : 843-844.
7. **William B.J.**, K.B.P.Ragavendar, G.D.Rao, R.S.George and W.P.Archibald David, 1992. Ketamine–thiopentone anaesthesia in calves. *Cheiron*, **21** :142-145.
8. **William B.J.**, W.P.Archibald David, G.D.Rao, R.S.George and K.B.P.Ragavendar, 1992. Regional intravenous anaesthesia with bupivacaine hydrochloride in dogs. *Cheiron*, **21**: 153-154.
9. Arockiam J.P., A.Selvakumar and **B.J.William**, 1992. Snail meal as a protein source for broiler chicks. *Indian J. Poult.Sci.*, **27** : 238-240.
10. Ragavendar, K.B.P., **B.J.William**, N.N.Balasubramanian, W.P.Archibald David and M.S.D.M.Mohammed, 1992. Experimental partial nephrectomy in cats, *Cheiron*, **21** : 167.
11. Rao, G.D., W.P.Archibald David, A.Sundaraj, **B.J.William** and R.S.George, 1992. A comparative study of partial hepatectomy techniques in experimental canines. *Cheiron*, **21** : 105-108.

12. Rao, G.D., W.P.Archibald David, A.Sundaraj, **B.J.William** and R.S.George, 1993. A evaluation of absorbable haemostats in experimental canines. *J.Remt.Vet.Crops*,**32** : 95-98.
13. Kathiresan, D., A.Palanisamy, **B.J.William**,A.Venkatachalam and K.Nachimuthu, 1993.Karavai madukalilkarumatruthozhilmunukkam. Booklet on *Tamilaga Arivial Peravai*. 1-10.
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1. Public Recognition

News articles

1. <http://www.youtube.com/watch?v=9OI41773xgg&noredirect=1>
2. <http://www.hindu.com/2005/08/24/stories/2005082418860100.htm>
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5. <http://forum.santabanta.com/showthread.htm?80296-Birth-control-for-crocodiles>
6. <http://articles.timesofindia.indiatimes.com/keyword/vandalur/featured/4>
7. <http://expressbuzz.com/topic/rambo-recovered-thanks-to-tanuvastem-cell-job/340480.html>
8. http://articles.timesofindia.indiatimes.com/2008-07-26/flora-fauna/27924260_1_crocodiles-vandalur-zoo-procedure
9. <http://ibnlive.in.com/news/rambo-recovered-thanks-to-tanuvastem-cell-job/209120-60-120.html>
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Radio talk

1. Madinoigalumthadupumuraigalum. AIR. Tirunelveli, 26-8-1992.
2. NanbarudanUraiyadal on Kalnadaikalilaruvaisikitchaiyinmukkiyathuvam. AIR. Tirunelveli, 19-9-1990.
3. Kalnadainoigal . AIR. Tirunelveli, 9-11-1992.
4. Maattukolambo AIR, Trichy, 18-5-2001.

Popular articles: 14

NOTABLE ACHIEVEMENTS

I. Teaching:

- Offering undergraduate and postgraduate courses and clinical teaching for 33 years and 6 months.
- Revised postgraduate syllabus for Veterinary Surgery and radiology in All India level and instrumental in incorporating the units on clinical application of stem cells and tissue engineering at MVSc. and Ph.D syllabi.
- Worked as Honorary Dy. Warden for 6 years and Warden for 4 years in Madras veterinary College Hostel.

- Developed e-learning study material for undergraduate students for the course on Principles of surgery, Anaesthesiology and Radiology.
- Started 4 PG Diploma courses in the University – both off and online mode

II. Clinical Practice:

- Involved in the practice of large animal surgery and anesthesiology throughout the career.
- First to diagnose and perform diaphragmatic hernia repair under general anaesthesia without IPPV in cattle in Tamil Nadu.
- Introduced first Electrochemotherapy in veterinary practice in India in veterinary practice.
- Worked in the field and treated in both large and small animals. Also conducted many mass contact programmes as Veterinary Assistant Surgeon in Animal Husbandry Department and as faculty in Livestock Research and Development Centre.
- First clinical report in India on the use of stem cell for the management of spinal cord injury in dogs
- Surgical birth control programme in mugger crocodiles – new technique

III. Research:

- Apart from research in veterinary surgery, anaesthesia and radiology; research on the clinical application of stem cells and extra cellular matrices were under taken. Clinical use of mesenchymal stem cells with thermogelation sol-gel was identified and followed in the clinical practice for the treatment of spinal cord injury in dogs as an adjunct therapy to laminectomy.
- Intra articular low level of ascorbic acid and dexamethasone along with mesenchymal stem cells was evaluated for the treatment of osteoarthritis in canine and routinely followed in clinical practice.

IV. Infrastructure:

As PI – Including Proposal to Establishment

- Implemented State Government Scheme on establishment of **cGMP laboratory with the facilities for the production of clinical grade stem cells, biomaterials, canine cord blood banking and 2 BSL-2 laboratories.** Designing and management of

execution is done as per the specifications to get approval from Drug Controller General of India.

- Networking of diagnostic - through funds obtained from Indian Council for Agricultural Research.
- As a Warden of Madras Veterinary College Hostel equipped the MVC Hostel from the savings in students fund with 200 kva generator worth about Rs.11.00 lakhs.
- Designed various units and theaters in surgery in the department of veterinary surgery and radiology, Veterinary College and Research Institute.
- Designed the small animal operation theatre at VC&RI, Namakkal and large animal operation theatre at MVC

V. Wild Animal Anaesthesia and Surgery:

- Immobilized and induced anaesthesia in lions, crocodiles, tigers, hippopotamus, rhinoceros, pythons, monkeys, fishes for various surgical procedures.
- Acted as an expert for immobilization of a herd 6 wild elephants for translocation.
- Performed ablation of sulcus spermaticus as an attempt to birth control surgery in crocodiles, which is first of its kind in world report.
- Performed vasectomy in lions and monkeys. Developed three finger palpation technique for vasectomy in deer.