

Dr. R.SIVA, M.V.Sc., MBA., PGDAW.,
 Veterinarian,
 Centre for Toxicology & Developmental Research,
 Sri Ramachandra Institute of Higher
 Education & Research,
 PORUR,
 CHENNAI – 600 116.
 TAMILNADU STATE,
 INDIA

BACKGROUND/EXPERTISE

- ✓ A Veterinarian with strong background in the field of Pet Animal and Food Animals - Surgical/Medical/O & G.
- ✓ A Veterinarian with varied experience in the Farming Practice and Management in Dairy, Sheep, Goat and Poultry Farming.
- ✓ Experienced in the field of Animal Husbandry extension activities
- ✓ Experienced in the field of Hospital and Farm Management
- ✓ Experienced in the Animal Welfare Activities which includes Shelter Management, Treatment of Rescued Sick & Injured Animals, ABC & Elective Surgeries in Dogs, Cats, Cattle etc.,
- ✓ Experienced in Laboratory Animal House Management, validation of Surgical Animal Models, capable of conducting the Pharmacology, Efficacy and surgical related research work in laboratory animals.

EDUCATIONAL QUALIFICATION:

Degree	Year	Area of Specialisation	Institution/ University
PGDAW (Post graduate Diploma in Animal Welfare)	2021	Animal Welfare	Indira Gandhi National Open University
M.B.A (Master of Business Administration)	2013	Financial Management	Annamalai University
M.V.Sc., Master of Veterinary Science	1994-96	Veterinary Surgery and Radiology	Madras Veterinary College / Tamilnadu Veterinary and Animal Sciences University
B.V.Sc., Bachelor of Veterinary Science	1982-88	Veterinary Science and Animal Husbandry	Madras Veterinary College/ Tamilnadu Agricultural University

EXPERIENCE

- ✓ Worked as Veterinary Assistant Surgeon since April 1988 in charge of various Veterinary Hospitals until August 2004
- ✓ Since August 2004 to January 2014- worked as Veterinary Officer in Republic of Yemen taking care of Dairy and Poultry Farms Management,- Breeding, Disease, Nutrition Management etc. And treating pet Animals (Dogs & Cats).
- ✓ Worked as Part Time Accountant in International Oil Company DNO since Oct 2004 to Jan 2014.
- ✓ Since April 2014 to 15th August 2019, worked as a Chief Veterinarian with a team of 10 Veterinarians at Blue Cross of India a NGO Animal Welfare Organization-Supervising various activities which include Shelter Management, Animal Birth Control Programmes and Animal Rescue Services and Veterinary Services.
- ✓ Present Position : Since August 2019 working as a Veterinarian Incharge of Animal House Facility taking care of the following
 - ✓ Laboratory animal house management,
 - ✓ Conducting research studies
 - ✓ Conducting Theory and Practical classes for M.Sc (ART)
 - ✓ Conducting practical classes for M.Pharm,MD (Pharm) and other faculty students to expose them in Laboratory animal house, Animal handling, restraining, routes of administration, blood collection , ethics and animal welfare in conducting Research using Experimental animals.

RESEARCH ARTICLES PUBLISHED:

1. Coumarane.K, B.J. William, **R.Siva**, G.D. Rao, W.P.A. David and N.N. Balasubramanian. 1996. Yohimbene as an antagonistic agent in Xylazine - Ketamine anaesthetised horses. *The journal of Remount Veterinary Corps.* 3:79-85
2. William, B.J., G.D. Rao, **R. Siva**, K. Coumarane, K. Ameerjan, W.P.A. David, N.N. Balasubramanian and S.R. Pattabiraman 1997, Xylazine-Ketamine induction and Halothane anaesthesia for the removal of eyeworm- A case report, *Centaur.* 3:46-47.
3. **Siva**, **R.B.J.** William, G.D. Rao, W.P. Archibald David and N.N. Balasubramanian, 1997. Radiological diagnosis of respiratory diseases in large animals- A Survey report, *CHEIRON* 26:10-12.
4. William, B.J, G.D. Rao, **R. Siva**, K. Coumarane and N.N. Balasubramanian.1998 Empyaemia of guttural pouch-Complications and Management, *Cenatur* 3:46-47.
5. Arosh, J.A. T.G. Devanathan, D. Kathiresan, **R. Siva** and J. Rajasekaran,1999, Biochemical constituents of foetal fluid during late gestation in non-descript bitches, *Indian J. Anim. Reproduction* 20:75-76
6. William, B.J, **R. Siva**, K. Coumarane , G.D. Rao, R.S. George, N.N. Balasubramanian and W.P. Archibald David. Dose related yohimbene antagonism in overdosed xylazine sedated dogs- accepted for publication in *CHEIRON*

RESEARCH EXPERIENCE:

- ✓ Glyceryl guaiacolate was evaluated as adjuvant to ketamine anaesthesia in diazepam and acepromazine premedicated bitches for caesarian section- Evaluation of different anesthetic regimens – Post-graduate thesis study.
- ✓ Pharmacology, Efficacy studies:
 - Pain and Inflammation Models- In vivo study-Wound Healing study using Biomaterials, pharmaceuticals etc.
 - Metabolic Disease Animal Models – STZ induced Diabetes
 - Hypertension Animal Models – Renal artery occlusion, Aortic Banding
 - PVL Animal Models : Occlusion and reperfusion of Uterine and Ovarian Arteries in pregnant Rats
 - Reproductive Toxicity studies – Formalin inhalation, Naphthalene, Lead acetate etc
 - Nephrotoxicity Animal Models using Gentamycin
 - Arthritis Model in Guinea pigs using MIA
 - Oral submucosal Fibrositis Animal Model
 - Colitis/IBS animal model using DSS,
- ✓ Toxicity Studies:
 - Acute oral toxicity , Dermal irritation, Ocular Toxicity

TRAINING UNDERGONE @ NATIONAL LEVEL

- ✓ Latest Practices in the **Frozen Semen Technology** at District Livestock Farm, Govt. of Tamilnadu
- ✓ **Serosurveillance and Seromonitoring** of Rinderpest at Madras Veterinary College, Tamilnadu Veterinary and Animal Sciences University Chennai.
- ✓ Underwent Training in **Livestock Production and Management** as Conducted by **Experts from Israel** at District Livestock Farm, Government of Tamilnadu.
- ✓ National Level Training on **Laparoscopy in Veterinary Practice** conducted by Department of Clinics , Tamilnadu Veterinary and Animal Sciences University, Chennai.
- ✓ Participated in the Seminar cum Workshop on **Disease Intelligence and Diagnosis** conducted by Tamilnadu Veterinary and Animal Sciences University
- ✓ Participated in the Training on “**Monitoring and Surveillance for Animal Diseases**” conducted by Centre for Animal Health Studies, Tamilnadu Veterinary and Animal Sciences University
- ✓ **Radiological Diagnosis in Farm and Pet animals** conducted by Department of Surgery, Madras Veterinary College.
- ✓ **Canine Ophthalmology** – Conducted by Department of Surgery, Madras Veterinary College, Chennai.
- ✓ **Orthopedic Surgery in Small Animals** – Conducted by Department of Surgery & Radiology, Madras Veterinary College. Chennai

TRAINING UNDERGONE – INTERNATIONAL

- ✓ In the Year 2001 : Participated in the Embryo Transfer Technology – 2 Weeks Training held at Paris, FRANCE selected by the government of India through UN Agricultural Organization – FAO for training at FRANCE in the field of **Embryo Transfer technology** in Bovines conducted by UNCEIA, PARIS.
- ✓ Participated in the International Training on **Animal Welfare and Shelter Management** conducted by **Dogs Trust, London**, United Kingdom. - September 2017.

SYMPOSIUM/SEMINARS ATTENDED

- ✓ Attended National Seminar Conducted by Indian Society for Veterinary Surgery at Bangalore during 1995
- ✓ Attended National level Symposium conducted by Indian Society for Veterinary Epidemiology and Preventive Medicine during 1998.
- ✓ Attended National level Symposium conducted by Indian Society for Veterinary Surgery during 1999.
- ✓ Attended International Symposium and Seminar conducted by Commonwealth Veterinary Association at Bangalore during 1998.
- ✓ Attended National level Symposium conducted by Indian Society for Veterinary Surgery @ Madras Veterinary College during the Year 1999.
- ✓ Participated in the 40th Annual Congress of Indian Society for Veterinary Surgery and National Symposium on 40th Annual Congress of ISVS and International Symposium on “**Biomaterials And Stem Cells For Tissue Repair And Regeneration In Veterinary Surgery**” organized by Madras Veterinary College.- December 2016
- ✓ Participated in the 41st Annual Congress of Indian Society for Veterinary Surgery and National Symposium on “**New horizons in Cancer Research pertaining to Health, Production and reproduction in Animals**” organized by Tirupathi Veterinary College. December-2017
- ✓ Participated in 1st National Ophthalmology Meet & 2nd Annual Animal Eye Camp conducted by Department of Surgery & Radiology , Madras Veterinary College – July 2017

PAPERS PRESENTED IN NATIONAL SEMINARS

- ✓ Presented Papers as detailed below during the 40th Annual Congress of ISVS & International Symposium conducted at Madras Veterinary College- December 2016
 1. **Clinical and Intra Operative observations as predictive indicators of Clinical Outcome of Field Level Rumenotomy in Cattle**
 2. **Large Size Inguinal Hernia in a Spayed Bitch – Case Study**
- ✓ Presented Papers as detailed below during the 41st Annual Congress of ISVS conducted by Tirupathi Veterinary College – December 2017

1. Surgical Management of Bilateral Forelimb Amputation & Successful Rehabilitation in Three Adult Cats

INNOVATIVE ACTIVITIES/INTERVENTIONS AS A VETERINARIAN :

- ✓ **As a Veterinary asst. Surgeon in Animal Husbandry Department service under Government of Tamilnadu :**
 - Organized Periodical Technical Meeting to deliver lectures on various clinical subjects while working as Veterinary Assistant Surgeon in Animal Husbandry Department
 - Compiled a Handbook on Artificial Insemination in Cattle for the use of Field Veterinarians and Livestock Inspectors.
 - Used to help other Dispensary Veterinarians for performing the minor CLP surgery (Chronic Luxation of Patella) and other soft tissue surgeries in Large Animals.
 - Supported the State Animal Husbandry Department in entire process of AHRDP Overseas Training right from the Selection of qualified Veterinarians, liason with FAO (UN Org.), identifying appropriate Educational Institutes located in various parts of the world like Reading University (UK), Denmark, UNCEIA (France) & ISRAEL under the AHRDP Project (Agricultural Human Resource Project) during the Year 2000 and successfully completed the training.
 - Underwent 2 weeks Training on “Embryo Transfer Technology in Bovines” in France conducted by UNCEIA , Paris, FRANCE.
- ✓ **As a post graduate student at Madras Veterinary College**
 - Compiled the Practical Manual for UG Students on Veterinary Surgery & Radiology as per new Indian Veterinary Council Syllabus during the Year 1995
- ✓ **As a Chief Veterinarian at Blue Cross of India , Chennai**
 - Improvised Animal Welfare Shelter Management by implementing appropriate Medical/Surgical/ Animal Husbandry Practices by SOPs.
 - Effective implementation of Animal Birth Control Programme in Dogs & Cats and increased the area of coverage of this scheme by extending to the neighbouring districts, States .
 - As a Surgeon, led the team of Vets in Blue Cross of India for thorough Physical Examination and Diagnosis of Stray Cattle with Ruminal Impaction, admitted to Blue Cross of India and performed 117 Rumentomy Surgeries.
 - As a Surgeon , done more number of lifesaving/elective surgeries as detailed below during the period from 2014 to 2019
 - 117 Rumentomies in Cattle and removed 2.20 Tonnes of Plastic Materials from the Stomach (Rumen)
 - Animal Birth Control Surgeries in Dogs – 6,556
 - Animal Birth Control Surgeries in Cats – 2,622
 - Soft Tissue/Orthopedic Surgeries Dogs – 2,142 & Cats – 125
 - Surgical Management of Bilateral Forelimb amputation and successful Rehabilitation in 3 Adult Cats.
 - Established dedicated Surgery Operation Theatres for Dogs (ABC), Dogs (Elective Surgery), Cats and for Large Animals.
 - Successfully Organized Puppies/Kittens Adoption camps in the Chennai

City in Mega Malls and was instrumental in finding homes for the thousands of the Voiceless.

- Compiled a Handbook on “Shelter Management” for Blue Cross of India.

THESIS WORK DONE DURING POST GRADUATION (Master of Veterinary Science)

- ✓ Glyceryl guaiacolate was evaluated as adjuant to ketamine anaesthesia in diazepam and acepromazine premedicated bitches for caesarian section. It was concluded that the best Anaesthetic regimen with minimal maternal and foetal depression with higher APGAR scores is Atropine + Diazepam as premedicants and Ketamine + Glyceryl guaiacolate as Anaesthetic induction agents.

Member of Professional Societies

- ✓ Life member of Tamilnadu Veterinary Council
- ✓ Life member of Indian Society for Veterinary Surgery

Membership of the Committees

- ✓ Member Secretary, Institutional Animal Ethics Committee, SRIHER