

CURRICULUM- VITAE

Dr.G.N.PUROHIT MVSc, PhD, MNVAS

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ACADEMIC BACKGROUND

Ph.D(Veterinary Obstetrics and Gynaecology) from Rajasthan Agriculture University with work on "*In vitro fertilization* of buffalo oocytes", 2001. Overall grade point average = 4.0/4.0 Thesis title "**Effect of serum free media and growth factors on IVM & IVF, and intravaginal culture of buffalo oocytes**"

M.V.Sc (Veterinary Obstetrics and Gynaecology) from Mohan Lal Sukhadia University, Udaipur with gold medal awarded for being first in the merit , 1985. Overall grade point average = 3.91/4.0 Title of theses "**To study some haematological and blood biochemical profiles in Marwari sheep under arid zone condition prior to estrus, during estrus, anestrus, repeat breeding and pregnancy**".

B.V.Sc & A.H from University of Udaipur, Udaipur, 1983. Overall grade point average = 3.26/4.0

Ist year TDC Rajasthan University, Jaipur First division (73.55%).

All India **Higher Secondary Examination** Central Board of Sec.Edu. New Delhi, 1977. First division (61.33%).

PROFESSIONAL CERTIFICATES

Registered Veterinary Practitioner (No.481) Under Rajasthan State Veterinary Council since 1985
Member of National Academy of Veterinary Sciences (MNVAS)

ACADEMIC/TEACHING EXPERIENCE

Courses Taught

Graduate

Veterinary Gynaecology and Obstetrics
Andrology and AI
Animal Biotechnology
Ambulatory Clinics
Animal Biotechnology

Post Graduate

Advanced Obstetrics
Diagnostic Tech. in Anim. Reprodn.
Female Infertility
Reproductive Physiology

Farmers training Courses

Secretary Basic Course
Artificial Insemination and Veterinary First Aid
Milk Procurement and Technical Inputs
AI Refresher Course

Innovation in teaching

Prepared CD's for class-room teaching
CD on pictorial guide to vet obst & Gynaec
Prepared manuals for practicals

Teaching Evaluations

Acted as internal examiner for BVSc, MVSc and PhD examinations of Rajasthan Agriculture University, 1996 to 2011.

Conducted BVSc examinations of Agricultural Universities of Anand Gujarat, Mhow, CCS HAU Hissar, HPKVV Palampur as an external examiner.

Acted as external examiner for MVSc, PhD exam of PAU, IVRI, HAU.

Paper setter and external examiner for MVSc, Ph.D exam for IVRI, GAU Anand and HPKVV Palampur.

TECHNICAL/SPECIALIZED SKILLS

Embryo Transfer in large and small ruminants.

In Vitro fertilization in buffalo and goats.

Obstetrical procedures in large and small animals.

Ultrasonography in large and small animals

EMPLOYMENT RECORD

Academic

Junior Research Fellow in Indian Council of Agricultural Research Project on Magra sheep 1983-1985. Department of Animal Breeding and Genetics, Veterinary College, Bikaner, India.

Professional

Associate Professor (May 2008) Department of Veterinary Gynecology and Obstetrics College of Veterinary and Animal Science Bikaner Rajasthan

Senior Assistant Professor in the department of veterinary obstetrics and gynaecology, Veterinary college, Bikaner, India from 27.7.1998. Performing the duties of teaching BVSc students and guiding postgraduate research.

Assistant Professor in the department of veterinary Obstetrics and Gynaecology, Veterinary College, Bikaner, India from 18.10.1996 to 26.7.1998. Taught B.V.Sc and M.V.Sc students.

Assistant Gynaecologist at the Buffalo Research Station, Vallabh Nagar, Udaipur, India from 10.5.1996 to 17.10.1996. Performed buffalo semen freezing and AI of buffaloes.

Assistant Project Officer (IRDP) in the District Rural Development Agency, Bikaner of Government of Rajasthan, India. 1.2.1996 to 9.5.1996. Organized and supervised various rural programmes like cattle loaning jawahar rojgar yojna etc..

Assistant Project Officer Urmul Dairy, Bikaner (Rajasthan Cooperative Dairy Federation) As in charge of various units like veterinary mobile, AI, Diagnostic lab., farmers training, Rathi cattle project etc.. 27.4.1985 to 30.1.1996.

RESEARCH/SCHOLARLY ACTIVITIES

Research Projects handled (As Scientist)

Peoples Participation Project on Preservation and Promotion of Rathi cattle, Urmul Dairy, Bikaner 1989 – **1994**.

Network Project on Embryo transfer in cattle (Indian Council of Agricultural Research).
Veterinary College, Bikaner. **1997-2001**.

National Agricultural Technology Project (Indian Council of Agricultural Research) on improving reproductive efficiency of cattle, Veterinary College, Bikaner, India. **2001-2004**.

National Agricultural Technology Project (Indian Council of Agricultural Research) on Improving, lambing rates in sheep through embryo transfer and other breeding technologies Veterinary College, Bikaner, India. **2001-2004**.

Research Projects Handled

Principal Investigator in Project by Rajasthan State Livestock Development Board on Multiple Ovulation and Embryo transfer in Rathi Cattle from Feb 2010

Projects supervised

Project on Efficiency of vaginal electrical resistance for estrus detection and insemination in buffaloes by Department of Science and Technology, Govt. of Rajasthan, India **1997-1998**.

Post Graduate Students guided

M. V. Sc

PhD

Major Advisor Fourteen
Advisor Fifteen
Ongoing One

Major Advisor One (Ongoing)
Advisor Two

Key Note / Invited Lectures Delivered

Invites lecture G N Purohit (2010). Measures to reduce equine infertility. Training course on equine health and production management Jan 20 - Feb 2, 2010 National Research

Invited lecture GN Purohit and S Vyas (2009) Reproductive management of equine infertility. Model training course on Improved Equine Production through cryopreservation of semen, artificial insemination and pregnancy diagnosis in equines March 23 to 30 2009 Equine Production campus Bikaner Rajasthan India

Invited lecture S Vyas and G N Purohit (2009) Role of photoperiods on equine reproduction. Model training course on Improved Equine Production through cryopreservation of semen, artificial insemination and pregnancy diagnosis in equines March 23 to 30 2009 Equine Production campus Bikaner Rajasthan India

Invited Lectures(Organised by Anim Husbandary Deptt and Intas Pharma) Repeat breeding in cattle and buffaloes recent advances in therapy. 3.11.08 at Alwar and 4.11.08 at Tonk. 16.07.09 at Ajmer and 17.7.09 at Chittorgarh to Veterinarians.

Invited Lecture (Organised by Animal Husbandary Deptt Training centre Jhamroli Jaipur) Bovine Infertility recent advances in therapy Jan 2010.

Invited Lecture (Organised by Animal Husbandary Deptt and DSW Pharma) Recent advances in bovine infertility. On World veterinary day 24 April 2010 at Hotel Abhay Days Jodhpur.

Lead Paper Repeat breeding in cattle and buffaloes recent advances in therapy. Seminar organized by deptt of animal husbandary at camel farm Bikaner 4th March 2009.

Invited Lecture Repeat breeding in cattle and buffaloes recent advances in therapy. Seminar organized by deptt of animal husbandary and Intas Pharmaceuticals at Alwar (3 Nov 2008) and Tonk (4 Nov 2008)

Lead Paper Bovine Infertility some facts and fiction. Seminar on rinder pest eradication organized by RLDB.30 Jan 2007.

Lead Paper Parturition related disorders in sheep and goats National conference Indian Society for sheep and goat production **28-30 Dec 2006** CSWRI Avikanagar.

Lead Paper Some Facts about canine transmissible venereal tumor ISSAR Conference Jammu 2005.

Delivered invited lecture in Winter School on Forensic Medicine Vet College Bikaner, India, **14 October 2004** on:-

Semen examination.

Seminar on achievement of 100% breedable population organized by Govt.of Rajasthan **19-20 March 2004**. Acted as resource person and delivered keynote address on:-

AI in Rajasthan the achievement and shortfalls.

Seminar on recent trends in animal improvement organized by Raj.Livestock Dev. Board, Udaipur **29-30 Jan 2004**. Acted as resource person and delivered keynote address on:-

Recent trends in the use of hormones in animal reproduction.

Training on Cryopreservation of Equine semen organized by National Research Centre on Equines, Bikaner **Sept 2003**. Delivered invited lecture on:-

Equine Infertility- Current trends in Management.

Seminar on Recent advances in Animal Breeding Techniques organized by Raj.Livestock Dev.Board **2-3 March 2002** at Central Arid Zone Res.Institute. Delivered Keynote address on:-

Embryo Transfer The Field Perspective.

Workshop on Recent trends in Science and Technology Organized by Deptt of Zoology, Dungar College, Bikaner, **2001**. Delivered invited lecture on:-

In vitro fertilization and embryo transfer: - The recent trends and future prospective.

Artificial Insemination Refresher Courses organized by Urmul, Bikaner. Delivered invited lectures in **1999, 2000, 2001,2003** and **2004** on:

Estrous cycle in farm animals and the associated hormones.
Dystocia in farm animals.

Short Course on Equine Reproduction Organized by National Res. Centre on Equines, **1997**. Delivered invited lectures on:-

Abortion in Equids (Training Manual pp 48-54).
Causes of Infertility in Equids (Training Manual pp 32-40).

Extension work

Supervised and treated many cattle and buffaloes in 75 Bovine Infertility camps organized by Urmul Dairy Bikaner between 1985 to 2005. Organized and attended bovine infertility camps at various villages and veterinary hospitals. This year organized infertility camps at Dulhasar village veterinary hospital, Rampura veterinary hospital (27 9. 2011) and Jassusar gate veterinary hospital (3.10.2011). Also attended farmers training programmes organized by Water shed development programmes at Nal, norangdesar and seruna village.

Radio talks

Delivered radio talks in Hindi (All India Radio, Bikaner) in the Gramin Jagat in 1986, 1996 and 2004.

Farmers Education programme (eTV Rajasthan) Annadata program TV talks given

Silent heat in buffaloes/cows and its management Telecasted on 18.02.09 6.30 am

Repeat breeding in cattle and buffaloes the means of correction Telecast on 27.02.09

How to manage breeding cycle in crossbred animals Telecasted on 19.3.09

Abortion in animals causes and prevention. Telecasted on 30.3.09

Gynaecological problems in milch animals and their preventive and curative measures Telecasted on 25.5.09

Retention of placenta in cattle and buffaloes Preventive and curative measures Telecasted on 15.7.09

Care and management of pregnant donkeys Recorded on 3.7.09

Gynaecological problems in cattle and their prevention Telecast on 19.5.2010.

Publications of Dr.G.N.Purohit

Total Publications 106 + 58 = 164

Publications in International Journals

Reviews 09

Research Publications 24

Total 33

Publications in National Journals (Indian) (List - 1)

Reviews 09

Research Publications 53

Case Reports 11

Total 73

Abstracts in Conference Compendia (List-3) 58

Books Published (Seven)

2012- Domestic Animal Obstetrics

**Lambert Academic
Publishers Germany**

2005- Pashu Sharir Kriya evum jiv rasayan vigyan Kosh (Hindi)	Kanta Publications Bikaner.
2005- Pashu Sharir Rachna Kosh (Hindi):	Adhunik Vigyan Prakashan Bikaner.
2004- Veterinary Gynaecology and Obstetrics Clinics:	Kanta Publications Bikaner.
2003- Pashuon mein varan evum prajanan(Hindi)	Veterinary College, Bikaner.
2002- A manual on recent reproductive techniques in farm animals:	Veterinary College, Bikaner.
2001- Assisted Reproductive Technologies in Farm Animals a Manual:	Kanta Publications, Bikaner.

Chapters in Books

Authored 2 chapters in the Book: **Veterinary Obstetrics, A Practical guide (Jaypee Brothers Medical Publishers New Delhi. 2009**

1. Dystocia and its management in the mare
2. Maternal Causes of dystocia in cows and buffaloes.

PROFESSIONAL/ACEDAMIC HONOURS/AWARDS

Prof. Nils Lagerlof Memorial Award (for best paper published in animal reproduction) by the Indian Society for the Study of Animal Reproduction 2005.

G.B.Singh Memorial Award (for best paper published in animal reproduction) by the Indian Society for the Study of Animal Reproduction 2004.

G.B.Singh Memorial Award (for best paper published in animal reproduction) by the Indian Society for the Study of Animal Reproduction 2002.

Prof. Nils Lagerlof Memorial Award (for best paper published in animal reproduction) by the Indian Society for the Study of Animal Reproduction 2001.

Award by District Collector for producing Rajasthan States first ET calf 1999.

Award by District Collector for outstanding work in family planning camps 1985.

University Gold medal for MVSc (Vet.Obst & Gynaecology) 1985

PROFESSIONAL DEVELOPMENT

Trainings / Certificates

Training on gastroscopy in horses Sharjah Equine Hospital, UAE 21-22 November 2011

Hands on Training on Laparoscope Aided Intra Uterine AI and embryo transfer in sheep **4-9 October 2004**, CSWRI Jaipur, Rajasthan, India.

Attended Winter School on Biotechnological Advances in Aided Reproductive Technologies **4.12.2001 to 24.12.2001** at National Institute of Animal Nutrition and Physiology, Bangalore.

Training on Introduction to Computer applications **8.9.2000 to 29.9.2000** Rajasthan Agriculture University, Bikaner, India.

Orientation training **20.7.1998 to 2.8.1998** organised by Academic Staff College, Rajasthan Agriculture University, Bikaner, Rajasthan, India.

Training on In Vitro Fertilization, Embryo culture and associated techniques in farm animals, **27.1.1997 to 8.2.1997**, National Dairy Research Institute, Karnal, Haryana, India.

Zonal Magistrate training (Voters photo identity card) Govt. of Rajasthan **20.4.1995 to 29.4.1995**.

Training on Self Development, **22.10.1991 to 24.10.1991** organized by Institute of Inspiration, Motivation and Efforts, Ahmedabad, India.

Assistant Project Officers Training **12.6.1989 to 17.6.1989** organized by Centre for Management Studies HCM RIPA, Udaipur, Raj., India.

Urea Molasses bricks preparation and hay treatment training organized by Cattle Feed Plant Tabiji, Ajmer, Rajasthan, India, **1987**.

Proficiency Certificate in General Knowledge 1974 and **1975** Organized by United Schools Organization of India.

Conferences Workshops Attended.

Annual Convention and National Conference Indian Society for the study of Animal Reproduction Jammu. **November 23-25, 2005**.

Seminar on Augmentation of Livestock Production using newer technologies Vety College Bikaner **March 11-12 2005**.

Seminar on Sustainable Livestock Production in Arid Region. Veterinary College Bikaner **March 22-23, 2005**.

Seminar on Rinder Pest and Disease Control, Vety College, Bikaner **20.9.2005**

Seminar on New Trends in Diagnosis and Control of Important Diseases of Livestock and Poultry. Organized by RDDDL, Vet Polyclinic Gogagate, Bikaner, Raj, India. **9 March 2004.**

Seminar on achievement of 100% breedable population through AI, Animal Husbandary department Jaipur, Rajasthan **19-20 March, 2004.**

Seminar on Diagnostic techniques in disease control, Animal Husbandary department, Udaipur Rajasthan **29-30 Jan 2004.**

Annual Convention and National Symposium Indian Society for the study of Animal Reproduction (ISSAR) **22-24 August 2003**, Kolkata, India.

Annual Convention and National Symposium Indian Society for the study of Animal Reproduction (ISSAR) **14-16 Nov 2002**, Indian Vet Res. Institute, India.

Seminar on Recent Advances in Breeding Techniques. Organized by Rajasthan Livestock Development Board, **2-3 March 2002**, Jodhpur, India.

Annual Workshop National Agriculture Technology Project, **14-15 Feb. 2002**, Jaipur, India.

Annual Convention and National Symposium Indian Society for the study of Animal Reproduction (ISSAR) **6-8 October 2001**, Jodhpur, India.

ISSAR Karnataka chapter Conference **Dec. 2001**, Bangalore, India.

Group Meet on Animal Biotechnology and Germplasm Conservation, **1999**, Bikaner, India.

International Seminar on Camel Applied Research and Development, NRC on Camel, **Sept 1999**, Bikaner, India.

National Seminar of Indian Dairy Association, **1996** Bikaner, India.

Annual Convention and National Symposium, Indian Society for the Study of Animal Reproduction (ISSAR) **April, 1995** PKVV, Akola, India.

AFFILIATIONS/MEMBERSHIPS

Member International Association of Computer Science and Information Technology

Member National Academy of Veterinary Sciences. Since May 2005

Life Member Indian Society for the study of Animal Reproduction. Since 1985

Member Indian Society for Animal Production.

Member Research Advisory Board, American Biographical Institute.

Life Member Indian Society for Sheep and Goat Production and Utilization.

CONSULTING/EDITORSHIP

Associate Editor Theriogenology Insight

Assistant Editor Journal of Livestock Science

Assistant Editor Journal of Camel Practice & Research 1996 to 2000.

Executive Editor Journal of Canine Practice and Research since 2001

Member Editorial Board Journal of Camel Practice & Research 2000 to 2001.

Member Editorial Board for Publication of Souvenir, National Poultry Conference, held at Bikaner.

Consultant Daga Stud Farm, Kolasar Bikaner, India from 1995.

REFREE TO JOURNALS

Refree to the following journals

Journal of Veterinary Science

Cell biology International

African Journal of Biotechnology

J Agric Vet Med Quassim Saudi Arabia

Scientific Research and Assays

Journal of Cell and Animal Biology

Webmed Central

Open Journal of Animal Science

Pakistan Journal of Zoology

Biotechnology and Molecular Biology Reviews

Indian Journal of Animal Science

Indian Journal of Animal Reproduction

Indian Journal of Animal Research

Outstanding achievements

Invited to work as a reproduction consultant for horses and camels at Bin Hamoodah Agricultural Company Al-Ain UAE

Invited to write a review for CABI Reviews July 2007

Requested to collaborate for Post doctoral research by scholars outside the country
Many times. (three)

Publications on Camel Research

Purohit GN, Mehta JS, Dholpuria S, Yadav SP, Chandra Shekher, Yogesh Barolia and Kumar P (2011) Dystocia in dromedary camels: handling and outcome of fourteen cases. **Theriogenology Insight** 1:15-23

G N Purohit, Pramod Kumar and J S Mehta (2011). Cesarean section in camels. **Raksha Technical Review**. 1 (4)6-11.

Sumant Vyas and **GNPurohit** (2009) Efficacy of Vaginal Electrical Resistance (VER) measurement for evaluation of follicular activity in *Camelus dromedarius* **Indian J Anim Sci**. **79 (2): 147-150**.

Sumant Vyas, Raghvendra Singh, **Govind Narayan Purohit**, P. K. Pareek, and M. S. Sahani (2008). Ultrasound evaluation of ovarian response to photoperiodic control measures in *Camelus dromedaries* **Veterinarski Arhiv** 78 (1), 39-48.

P. Goswami, **G.N. Purohit** and M.L. Gupta (2004). Biometry of camel spermatozoa and their morphological abnormalities. **Indian J. Anim. Sci.** **74 (10)** 1049-1050.

P. Goswami, M.L. Gupta and **G.N. Purohit** (2003). Physical attributes of camel semen during different months under rural conditions. **Indian J. Anim. Sci.**, **73 (9)**; 1045-1046.

Vyas, S., **Purohit, G.N.**, Pareek, P.K and Sahani, M.S (2002) Ultrasonographic evaluation of pregnancy in the camel (*Camelus dromedarius*). **Revue Elev.Med.Vet.Pays.Tropi.** **55(33)** 241-245.

G.K. Nagpal and **G.N. Purohit** (2001): Field prevalence of disease and calf mortality in camel rearing areas of Bikaner. **Indian Vet. J.** **78(9)**: 787-789.

J. Singh, **G.N. Purohit** and P.K. Pareek (2001): Seminal plasma electrolytes in the dromedary camel and their correlation with seminal quality. **Indian J. Anim. Science.** **71(8)**: 782-783.

S. Vyas, P.K. Pareek, **G.N. Purohit** and M.S. Sahani (2001). Management practices for augmenting rut in male camel (*Camelus dromedaries*). **Veterinary Practitioner.** **2(2)**: 132-134.

Purohit, G.N and Pareek, P.K (2000) Research on dromedary reproduction. The past two decades and future prospective. **Veterinary Bulletin** **70(12):1265-1274**.

G.N. Purohit, K.A. Gupta, A.K. Gupta, N. Garg, K. Vyas, P.K. Pareek and S.S. Sharma (2000) : Caesarean section in a dromedary camel. A case report. **Indian J. Anim. Reprod.** **15 (2)**: 197-199.

R. Sharma, **G.N. Purohit**, N. Garg, G.P. Duggal, A.K. Gupta, S. Vyas, P. K.Pareek and S.S. Sharma (2000). Retention of fetal membranes in a female camel **Veterinary Practitioner.** **1(2)**: 111-112.

G.N. Purohit (1999): Reproductive biotechniques in camelids: The current status and future Prospective. **J. Camel Prac. & Res.** **6(1)**: 1-13.

G.N. Purohit (1999): Fraternal dromedary twins: A case report. **Journal of Camel Practice and research** **6 (1)**:123.

G.N. Purohit, Mahesh Dutt and S.S. Sharma (1999): Efficiency of three methods of oocyte recovery in the dromedary camel. **Indian J. Anim. Sci.** **69(2)** : 88-90.

Papers Accepted and under Publication (2012)

Sandeep Dholpuria, Sumant Vyas, **G N Purohit** and KML Pathak (2012). Sonographic monitoring of early follicle growth induced by melatonin implants in camels and the subsequent fertility. **JOURNAL OF ULTRASOUND.**

Purohit GN (2012) Dystocia in camelids: Causes and approaches of management. **Open Journal of Animal Science.**