

## **Curriculum Vitae of Dr. M.T. Panchal**

### **(1) Personal Details:**

- A. **Name** : Panchal Maheshkumar Tribhovandas
- B. **Date of Birth** : 12<sup>th</sup> August, 1962
- C. **Place of Birth** : At. Mehtana Chakalia, Ta.Lunawada, India
- D. **Home State** : Gujarat
- E. **Home Town** : Lunawada
- F. **Nationality** : Indian
- G. **Marital Status** : Married
- H. **No. of Children** : Two
- I. **Present Address** : No.13, Vrundavan Park-I,  
Near Ashruti Society, Opp. Akruti Nagar,  
Jitodiya Road, ANAND-388 001,  
Gujarat State, (Western Railway) INDIA  
**Residence Phone:** +91-2692-260661  
**Mobile Phone:** +91-94274 03841  
**E-mail:** mtpanchal@aau.in  
**panchal mahesh1234@yahoo.com**
- J. **Permanent Address** : At.Golana Palla, Po.Madhwas,  
Ta.Lunawada, Dist. Mahisagar  
Gujarat State, INDIA, PIN-388 001
- K. **Language Proficiency** : English, Gujarati & Hindi  
(Speak, Read & Write)
- L. **Present Designation** : Professor (P),  
Department of Animal Reproduction, Gynaecology &  
Obstetrics,  
College of Veterinary Science & Animal Husbandry,  
Anand Agricultural University, ANAND -388 001

## (2) Educational Qualification:

Sr. No.	Degree	Year	Name of University	O.G.P.A. & Class	Field of Specialization	
					Major Subject	Minor Subject
1.	Bachelor: B.V. Sc. & A.H.	1985	Gujarat Agricultural University	3.35 / 4.00 Ist Class	Veterinary Science & Animal Husbandry	NIL
2.	Master: M.V.Sc.#	1988	Gujarat Agricultural University	7.61 / 10.00 Ist Class	Vet. Obstetrics & Gynaecology	Vet. Surgery & Radiology
3.	Doctorate Ph.D. #	1995	Gujarat Agricultural University	8.13 / 10.00 Ist Class	Vet. Obstetrics & Gynaecology	Vet. Surgery & Radiology

### # Post-Graduate Research Projects:

**M.V.Sc. Thesis:** "Studies on Repeat Breeding Buffaloes with Reference to Cervical Mucus Characteristics, Immuno-infertility, Progesterone Assay and Treatment Trials" (Notification No.: GAU/Exam/PGE/XI/VA-30/11575-93/ 1988; dated: 23.12.1988)

**Ph.D. Thesis:** "Effect of Progesterone Supplementation on Fertility of Mehsani Buffaloes with Reference to Plasma Progesterone Assay and Blood Biochemical Attributes" (Notification No.: GAU/Exam/PGE/XI/Ph.D./VS/2057/1995; dated: 27.06.1995).

## (3) Awards / Medals:

- "**Dr. G.B. Singh Memorial Award**" with "**Silver Medal**" from the Indian Society for the Study of Animal Reproduction (ISSAR) for the publication of **Best Research Paper**, for the year 1994 in the field of Animal Reproduction under the group of Young Scientist below 35 years, entitled "Biochemical attributes of cervico-vaginal mucus of repeat breeding buffaloes in relation to its physical, physiological and immunological properties". *Indian Journal of Animal Sciences*. 64:830-833 by Panchal, M.T. and co-workers.
- "**Outstanding Young Scientist**" Award from the Indian Society for the Study of Animal Reproduction (ISSAR) for the Best Presentation of a research paper in the National Symposium of ISSAR on "Modern Trends in Reproductive Health Care for Enhancing livestock fertility and Productivity" held at Akola, PKV, Maharashtra during 13 to 15 January, 1995.
- "**Outstanding Young Scientist**" Award from the Indian society for the Study of Animal Reproduction (ISSAR) for the Best Presentation of a research paper in the National Symposium of ISSAR on "Biotechnology on Animal Reproduction" held at Pantnagar during 4 to 6 December, 1996.
- Award of Senior **Research Fellowship** (SRF) for three years from December 1991 to December 1994 from the Council of Scientific and Industrial Research (CSIR), New Delhi for undergoing the doctorate studies at S.K. Nagar, Gujarat Agricultural University, Gujarat, India.
- A certificate of "**The Best Article**" for the year 1995-96 was given by Director of Extension Education, Gujarat Agricultural University, Anand Zone, Anand-388001 for publishing the article on "Gaayp-Bhesoman Prajanan Kshamata Vadhavarna Upayo" {**Ways to increase the reproductive efficiency of cattle and buffaloes**} in "KRUSHI GOVIDHYA" Monthly (September, 1995) magazine.
- Award certificate was given by Vice-Chancellor, Anand Agricultural University, Anand for getting **SECOND\_rank** in the competition for the **BEST presentation-cum-exhibition** of research findings and information for the farmers during "કૃષિ મોહોત્સવ-૨૦૦૯" as a part of "Krusha Mahotsav-2009" organized by State Department of Agriculture and Co-operation, Government of Gujarat.

**(4) Employment Record:**

Sr. No.	Period		Post / Position Held	Employer's Name & Address	Basic Salary Drawn	Reason of Leaving Service
	From	To				
1.	13.08.1985	04.04.1989	Veterinary Officer	Director of Campus, Guj. Agric. Univ., Anand, India	Rs.550/-	Selection for Assistant Professor
2.	05.04.1989	26.06.1995	Assistant Professor	Director of Campus, Guj. Agric. Univ., Anand, India	Rs.2200/-	Not applicable
3.	27.06.1995	26.07.1998	Assistant Professor (Sr. Scale)	Director of Campus, Guj. Agric. Univ., Anand, India	Rs.3000/-	Promoted as Associate Professor
4	27.07.1998	27.07.2006	Associate Professor (Promotion)	Vice-Chancellor Guj. Agric. Univ., S.K.Nagar-385506, India	Rs.12000/-	Promoted as Professor
5	28.07.2006	Till date	Professor (Promotion)	Vice-Chancellor Anand Agric. Univ., Anand-388001, India	Rs.16400/- (Rs.17880/-) P.B. Rs. 37400-67000 + AGP Rs.10000	Continued

**(5) Work Experience:****A. Under-Graduate Teaching:**

Theory and Practical Classes conducted for various courses as listed below:

<u>Course Titles</u>	<u>Course No.</u>	<u>Credits</u> T + P
1. Veterinary Gynaecology & Andrology	VGOB-401	2 + 1
2. Veterinary Obstetrics	VGOB-402	2 + 1
3. AI & Embryo Transfer Technology	VGOB-501	2 + 1
4. Veterinary Clinics	CLINICS-401	0 + 2
	CLINICS-402	0 + 2
	CLINICS-501	0 + 2
	CLINICS-502	0 + 2
5. Veterinary Gynaecology And Obstetrics (As per Veterinary Council of India)	VOG-421	2 + 0
6. Gynaecology & Obstetrics-CLINICS (As per Veterinary Council of India)	VOG-422	0 + 2
a. Andrology & Artificial Insemination (As per Veterinary Council of India)	VOG-511	2 + 0



8. Andrology & Artificial Insemination (Practice) VOG-512  
(As per Veterinary Council of India)

0 + 2

9.

### B. Post-Graduate Teaching :

1. Recognized for Post-Graduate Teaching vide Letter No.: GAU / RES / PGT / R.1295 / 15246-68; Dated 21.12.1995 and offered various post-graduate courses to M. V. Sc. and Ph.D. Students.
2. Recognized for Guiding the Post-Graduate Students for M. V. Sc. Degree vide Letter No.: GAU/RES/ PGT/14431-60/98; Dated 02.09.1998.
3. Recognized for teaching and guiding the Ph.D. students in the subject of Veterinary Obstetrics & Gynaecology vide letter No: AAU/DR/RES/T-5/3730-36/2009; dated 12.10.2009.

#### 4. List of Post-graduate students guided so far:

No.	Name of Student	Registration No	Post-graduate research project guided	Year
<b>Subject: Animal Reproduction, Gynaecology &amp; Obstetrics</b>				
1	Bajaj Nitin K.	04-04261-1999	Effect of herbal medication on endometritis in buffaloes.	2002
2	Lakum P.D.	04-05198-2001	Management of reproductive problems in HF cows.	2004
3	Siddiqui M.U.	04-072-2004	Study on effect of multiple ovulation and GnRH treatment on embryo recovery and quality in purebred and crossbred sahiwal cattle with reference to circulating ovarian steroids	2005
4	Bhatiya V.N.	NIL	Left the study.	2005
5	Zala Jaydeep	NIL	Left the study.	2006
5	Patel P.P.	04-455-2006	Management of postpartum fertility in buffaloes.	2008
6	Vala B.N.	04-0653-2007	Studies on anatomical causes of bovine infertility in genital organs of she-buffaloes	2009
7	Gavit S.P.	04-0796-2008	Studies on physico-biochemical characteristics of oestral cervico-vaginal mucus with reference to body condition score and fertility in rural crossbred cattle.	2010
8	Gangurde B.G.	NIL	Left the study.	2008
9	Jethva P.C.	04-0800-2008	Studies on physico-biochemical characteristics of estrual cervico-vaginal mucus with reference to body condition score and fertility in rural buffaloes.	2010
10	Patel V.C.	04-1114-2009	A study on management in postpartum fertility of rural buffaloes in milk shed area of Panchmahals district	2011
11	Chaudhari A.K.	04-1388-2010	Effect of Ovsynch protocol and FTAI on estrus induction, synchronization and pregnancy rate in crossbred cows at field level	2012
12	Khawaskar Megha	04-13.....-2010	.....	
13				
14	Raval Saurabh R.	MVSc	Study on genital infections in postpartum and repeat breeder crossbred cattle	July, 2017
15	Binal R. Patel	M.V.SC	Study on genital microbiota in cyclic, acyclic, endometritic and pregnant buffalo.	Aug, 2019
<b>Subject: Animal Biotechnology</b>				
11	Ahir V.B.	04-0415-2006	Detection of polymorphism in pre-implantation active genes and their association with semen quality.	2008
12	Roy Latish C.	04-1122-2009	Evaluation of Sex/Gender Pre-selection techniques through	Cont.

		sperm enrichment using conventional and real time PCR in Bovines.	
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#### 4. Post-Graduate Courses Offered:

No.	Title of the Course	Course Code	Credits	Offered
1	Gestation and Placentation in Farm Animals	VOBG-803	1 + 1 = 2	May 2002
2	Infertility in Domestic Animals	VOBG-805	3 + 1 + 4	December 2001
3	Clinical Diagnostic and Therapeutic Techniques in Gynaecology & Andrology	VOBG-806	1 + 2 = 3	October 2005
4	Infertility in Small Animals	VOBG-807	2 + 1 + 3	June 2004
5	Embryo Transfer Technique in Farm Animals	VOBG-808	1 + 1 = 2	July 1998 December 2004 December 2005
6	Veterinary Obstetrics	VOBG-809	2 + 2 = 4	December 1998
7	Sexual behaviour in Male and Artificial Insemination	VOBG-811	3 + 1 = 4	December 1999 June 2003
8	Guided for PG Seminars (Delivered by PG Students)	VOBG-900	1 + 0 = 1	Twelve

#### 5. Acted as Minor advisor / Member of advisory committee for M.V. Sc. Students registered;

No.	Name of Student	Registration No.	Subject	Acted as
1	Patel J.R.	04-04589-2002	Veterinary Surgery & Radiology	Minor Advisor
2	Padodara R.J.	04-05211-2001	Animal Physiology & Biochemistry	Minor Advisor
3	Rane G.U.	04-05530-2002	Veterinary Surgery & Radiology	Minor Advisor
4	Patel S.S.	04-05628-2003	Veterinary Surgery & Radiology	Minor Advisor
5	Prajapati S.B.	04-05208-2001	Veterinary Pathology	Member
6	Awasthi M.K.	04-05199-2001	Veterinary Obstetrics & Gynaecology	Member
7	Joshi D.O.	04- 0604-2007	Veterinary Surgery & Radiology	Minor Advisor
8	Vedpathak H. S.	04-0850-2008	Veterinary Surgery & Radiology	Minor Advisor
9	Kavechiya V.P.	04-0806-2008	Veterinary Surgery & Radiology	Minor Advisor
10	Rabari M.L.	04-0.....-20.....	Veterinary Obstetrics & Gynaecology	Member
11	Mukesh Katare	04-0.....-20.....	Veterinary Surgery & Radiology	Minor Advisor

#### C. Research Schemes (Associated / Worked / Proposed):

1. Associated with the **Cattle Infertility Scheme (Non-Plan)** run by the Department of Veterinary Obstetrics and Gynaecology.
2. Associated with the **Central Sperm Station Scheme (Plan)** run by the Department of Veterinary Obstetrics and Gynaecology.
3. Worked as an Associated Worker in GAU Planned Scheme on **“Repeat Breeding Condition in Bovines due to Tubal Factors”**.
4. The project draft was prepared / proposed and thereafter worked as an Associated Worker for **National Agriculture Technology Project (NATP)** on **“Improving Reproductive Efficiency of Cattle and Buffaloes”** under Irrigated Agro-Eco System (PSR-60) under Indian Council of Agricultural Research, New Delhi in the Department of Veterinary Obstetrics and Gynaecology.



5. Research Scheme proposed for Xth FYP on "Laparoscopic management of infertility problems" as Principal Investigator.
6. Research Scheme proposed as ICAR Ad Hoc Project on "Laparoscopic diagnosis and management of ovarian and tubal disorders in buffaloes" as Principal Investigator.
7. Research Scheme proposed for XIth FYP on "Use of controlled reproductive technologies to optimize the inter-calving period in dairy animals" as Principal Investigator.
8. Research Scheme proposed on "Augmenting fertility of dairy animals by artificial insemination using flow cytometer" as Co-Principal Investigator.
9. Proposed a Research Project for XIth FYP on "Sexing of spermatozoa to achieve a calf by selection" as Co-Principal Investigator.
10. Working as Co-Principal Investigator in AAU Planned (Long Term) Scheme on "Establishment of Frozen Semen Station and Breeding of Animals" at Anand since 01.02.2009.
11. Proposed a Research Project for XIth FYP to "Principal Chief Conservator of Forest, Ministry of Forest, Government of Gujarat, Gandhinagar" on "Assisted Reproductive Technologies for Conservations and Propagation of Wild Animals" as Principal Investigator.

#### **D. Clinical - cum - Extension Activities:**

1. Providing technical guidance and help to the Embryo Transfer Officer (Dr. Mijazuddin Siddiqui, an employee of National Dairy Development Board, Anand, who has been registered for his Master of Veterinary Science-M.V.Sc. study in the subject of Veterinary Obstetrics & Gynaecology on 2<sup>nd</sup> November 2004 under my supervision as an in-service candidate) working in Collaborative Project of Anand Agricultural University on "Bull Production through Embryo Transfer Technology" 2005.
2. **Major Clinical Duties:** Attending the cases of female infertility problems, obstetrics, Artificial Insemination as well as pregnancy diagnosis in large (exotic and crossbred cattle, buffaloes, mares) and small animals (sheep, goat, dogs) at College Veterinary Hospital under Infertility and AI Clinic.
3. **Use of ultrasound scanning** for confirmation of development of Graafian follicles and / or corpus luteum using rectal probe in large animals, as well as for diagnosis of pregnancy or non-pregnancy and uterine pathological condition like pyometra in bitches.
4. Attending the medicinal, minor surgical and gynaecological cases for the **Ambulatory Clinic**.
5. Attending the gynaecological cases at **Bovine Infertility Camps** organized at field level.
6. **Cuboni's test for laboratory testing of mares' urine** samples received from field veterinarians and farmers for pregnancy diagnosis.
7. **Delivering technical lectures** to the trainee veterinarians and inseminators during the refresher courses and the farmers at field level.
8. **Answering the queries** of the field veterinarians and farmers through correspondences.
9. **A TV Talk:** "Kritrim Bij Dan Anne Garbha Parikshan", Door Darshan Kendra, Ahmedabad, 1998.
10. **A TV Talk** on "Oestrus, it's detection and time of insemination in bovines for better fertility" E-TV, Gujarati, "ANNADATA", Hyderabad, 2001
11. **A TV Talk** on "Use of oxytocin for let down of milk and it's adverse effect on animal reproduction" E-TV, Gujarati, "ANNADATA", Hyderabad, 2002.
12. **A video conference talk** delivered on "Information on artificial insemination in animals" as an expert on 22.07.2009 between 14.00 to 16.30 at SSK, AAU, Anand.

13. Answering the farmers' question on "*Direct video Assisted Redressal*" on "*www.davr.aau.in*" net work; Question No.:18.09.2009 (301) and 26.09.2009 (843, 845 & 194).

#### **E. Other Activities:**

1. Worked as **Assistant Hostel Rector** for Under-Graduate "Hostel – C" for the period of 27 months (Approx.) from 11.09.1989 to 17.12.1991.
2. Presently working as **Assistant Hostel Rector** for Under-Graduate "Hostel – A" from 01.05.2003 to 30.04.2006.
3. Worked as **Member of Publication and Souvenir Committee** of National Symposium of IVSM on "Focusing on Need to Develop New Diagnostic, Therapeutic and Preventive Approaches to Deal with Diseases of Farm and Companion Animals" organized at Anand during February 7-9, 2003.
4. Working as **Referee** for national journal entitled "*The Indian Journal of Animal Sciences*" of Indian Council of Agricultural Research, Krishi Anusandhan Bhavan, Pusa, New Delhi-110012 since the year 2004.
5. Working as **Referee** for national journal entitled "*Journal of Applied Animal Research*" published from, 151, Janakpuri, Izatnagar-243122, India"
6. Worked as an **External Examiner** for evaluation of postgraduate thesis.
6. Worked as **Editor** for Publication of Souvenir of "Growing Concern for Improved Health Status of Livestock, Drug Residues in Animal Products, and Animal Diseases Affecting Human Health" Under Assistance to States for Control of Animal Diseases (ASCAD) organized at Anand during August 5-7, 2005.
7. Worked as **Treasurer** for Organization of "National Seminar, ASCAD-2005" on "Growing Concern for Improved Health Status of Livestock, Drug Residues in Animal Products, and Animal Diseases Affecting Human Health" Under Assistance to States for Control of Animal Diseases (ASCAD).
8. Worked as **Co-Editor** for a **Gujarati publication** on "ગાય-ભેંસમાં વર્ષે વિચાર"; January 2009, published by ISSAR, Gujarat Chapter, Anand.
9. Worked as **Editor** for Publication of Souvenir cum Compendium of State Level, GLDB, Gandhinagar sponsored One Day Seminar on "Fertility Management in Bovine; Challenges and Future Prospects" organized by ISSAR, Gujarat Chapter at Anand on Feb. 20, 2009.
10. Worked as **Co-Organizing Secretary and Treasurer** for State Level, GLDB, Gandhinagar sponsored One Day Seminar on "Fertility Management in Bovine; Challenges and Future Prospects" organized by ISSAR, Gujarat Chapter at Anand on Feb. 20, 2009.
11. Performed duties of **invigilation duties for Entrance Examination for admission to B.V.Sc. & A.H. degree on 05.07.2009 at MB Patel Science College, Anand.**
12. Performed duties of **verification of applications** received for PG admission of Ist Semester M.V.Sc. / Ph.D. for the academic year 2009-10 on 16.07.2009.
13. Performed duties of **assessment of evaluation of answer books** for Ph.D. Admission in ARGO, AAU, Anand on 22.07.2009.
14. Giving **expert remarks, suggestions** etc. for synopsis of PG students of ARGO discipline.

#### **(6) Research Paper Publications :**

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|---|------|
| (i) Research Papers Published in International Journal    | : 04 |
| (ii) Research Papers Published in Indian National Journal | : 20 |

(iii) Popular Articles/ Booklets	: 58
(iv) Technical Bulletins / Class-notes / Training Manuals	: 19
(v) Books (in Gujarati)	: 02
<b>Total Publications</b>	<b>: 103</b>
<b>(7) <u>Presentations / Contributions of Research Papers</u></b> (Seminars / Symposia / Congress / Workshops Etc.)	<b>: 68</b>
<b>(8) <u>Seminars / Symposia / Conferences/workshops Attended</u></b>	<b>: 26</b>
<b>(9) <u>Training / Refresher Courses Attended</u></b>	<b>: 06</b>
<b>(10) <u>Membership of Professional / Scientific Associations</u></b>	<b>: 06</b>
<b>(11) <u>Additional Achievements:</u></b>	<b>: 03</b>
a. Completed “ <b>Computer Office Practice (Cop)</b> ” Course run by Urban Community Development Department, UCD Projects, Anand Municipality, Anand on dated 23 <sup>rd</sup> September, 1999.	
b. Cleared “ <b>Course on Computer Competence (PLUS): CCC+</b> ” at Regional Training Centre, Sardar Patel Institute of Public Administration, Govt. of Gujarat, Vadodara on 8.10.2007.	
c. Special Recognition Award by “ <b>Shree Vishwa Karma Panchal Samaj, Gandhi Nagar</b> ” for achievements in the field of education, research and extension, on the occasion of Silver Jubilee Function held on 01 <sup>st</sup> June 2008 at Gandhi Nagar.	

Date: 25.01.2016

Place: Anand

(M.T. Panchal)