

DR. SURESH B. GOKHALE

PROFILE

A. Personal Information

1. **Name In Full:** Gokhale Suresh Balasaheb.
2. **Address:** **Office:** BAIF Development Research Foundation
Urulikanchan, Pune district
Residence: BAIF Development Research Foundation
Urulikanchan, Dist-Pune.
E-mail: crs@pn2.vsnl.net.in
3. **Date of Birth:** 10.12.1945
4. **Place of Birth:** Bhandgaon Tq-Bhoom,Dist-Osmanabad.
5. **Nationality:** Indian.
6. **Marital Status:** Married.
7. **Languages Spoken:** Marathi, Hindi, English, French

8. Educational Qualifications:

Name of Degree	University	Year of Passing
B.V.Sc. & A.H.	Nagpur University	1967
M.V.Sc.	Agra University	1970
Ph.D.	Agra University	1974

9. Passport Details:

Passport No. F4541736
Date of Issue:-31/8/05
Place of Issue:- Pune.

B. Professional Outline:

10. Experience:

Since-12/05 : Director Research, BAIF Development Research Foundation and Head Central Research Station Uruli Kanchan

04/96-11/05 : Vice President, BAIF Development Research Foundation and Head Central Research Station Uruli Kanchan

04/90-03/96: Head Dept of Animal Genetics and Breeding BAIF Central Research Station

10/84-03/90: Head BAIF Uttar Pradesh field cattle development programme

04/81-09/84: Research Scientist Field Progeny Testing programme.

08/80-03/81: Training and exposure to Cattle Genetic Improvement programme in France

04/78-07/80: Regional Officer for developing Field programme of BAIF in Maharashtra

04/67-05/68: Incharge Veterinary Hospital Ashti, Govt. of Maharashtra

11. List of Book/Book Chapters Published:

Joint Author for book entitled:

1. Artificial Insemination and Dairy cattle Management Y.P.Phadnis, S.B.Gokhale, P.H.Joshi, R.K.Mahuli, B.R. Mangurkar and B.R. Patil.
2. Training manual for A.I. Workers A book for Swashakti (Govt. of India, ministry of women and child welfare)

Editor for following books:

1. Bred Conservation and Genetic Improvement of Indian Cattle Proceedings of International conference held in Pune in Oct.2000.
2. Characterization of Dangi Cattle. S.B. Gokhale, J.R.Khadse, S. A.Joshi, Ahlawat, Gurumej Singh and P.K. Singh. Monograph under print.
3. Characterization of Deccani sheep. S.B. Gokhale, J.R.Khadse, S.A. Joshi, Ahlawat, Gurumej Singh and P.K. Singh. Monograph under print.

12. Professional Trainings:

1.	Progeny testing training at Bangalore in 1978
2.	Advanced training in France 1980-81
3.	Composite techniques in Sericulture in China 1994
4.	Computer programming course Pune University. 1982
5.	Multivariate Analysis Methods for MPTS research.

13. Publications: 76 scientific publications as given below:

List of Publications

Sr. No.	Title / Journal	Year	Authors
1.	Genetic studies on growth of Haryana cattle. - M.V.Sc. Thesis submitted to Agra University.	1970	S.B. Gokhale
2.	Inheritance of part lactation and their use in selection among Murrah buffaloes. - Ph.D. Thesis submitted to Agra University.	1974	S.B. Gokhale
3.	Proven sire - The King Pin - Presented at National Symposia on Livestock Development held at Nagpur on 13 February 1979.	1979	S.B.Gokhale
4.	Genetic and economic aspects of sire evaluation programme for cross-bred cattle. - Indian J. animal Genetics and Breeding 1 (2) : 63-66.	1979	B.R. Mangurkar S.B. Gokhale
5.	Relationship of age and weight on first calving with monthly and cumulative monthly first lactation milk yield in Murrah buffaloes. - Indian J. Animal Genetics and Breeding 1 (2) :78-81	1979	S.B. Gokhale R. Nagarcenkar
6.	Studies on part lactation and their use in prediction of total lactation in Murrah buffaloes. - World Review of Anim. Prod. XV (1):57-63.	1979	S.B. Gokhale R. Nagarcenkar
7.	First lactation partial records in relation to life time production in Murrah buffaloes. - Indian J. of Anim. Sci. 50 (11). 928 - 931 November	1980	S.B. Gokhale R. Nagarcenkar

8.	Selection indexes based on part lactations of Indian buffaloes. - Indian J. Heredity 12 (1).	1980	S.B. Gokhale R. Nagarcenkar
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Sr. No.	Title / Journal	Year	Authors
9.	Liasons entre les index de valeur ge'ne'tique de taureux de type frison at ceux de leurs fils en fonction de leur origine. - Research report submitted to Institute National Agronomique Paris in October 1981.	1981	S.B. Gokhale
10.	Inheritance of Part yields and their use in selection of buffaloes. - Trop. Animal Production (1981) 13, 41 - 47	1981	S.B. Gokhale R. Nagarcenkar
11.	Genetic studies on Age at First calving in Holstein and Jersey Crossbred heifers in Maharashtra - Indian J.Anim.Sci.54(1):11-14	1982	B.R.Mangurkar S.B.Gokhale D.V.Rangnekar
12.	Performance of Bas Taurus X Zebu crossbreds under village conditions. - Trop. Anim.Hlth Prod.16:49-55	1984	B.R.Mangurkar S.B.Gokhale J.F.Hayes
13.	Evaluation of HF Sires from their Crossbred progeny data - Symposium .Indian Soci.Anim. Genetics & breeding IVRI, Izatnagar	1985	B.R.Mangurkar S.B.Gokhale J.F.Hayes
14.	Reproduction performance of Holstein Friesian and purebred cows in a herd in India - Indian J. Anim. Sci. 55(10):893-897	1985	B.R.Mangurkar S.B.Gokhale D.N.Shindey A.B.Pande Y.P.Phadnis
15.	Studies on growth and body measurements of crossbred heifers in rural areas of Maharashtra - BAIF INRA Technical seminar on 'Recent advances and in coming technologies in live stock Development' Feb.1989, Uruli-Kanchan	1989	S.B.Gokhale B.R.Mangurkar
16.	Methods of Sire Evaluation - Dairy Cattle Production Selected Readings BAIF Pub. PP.92-98	1990	S.B.Gokhale
17.	Contribution of BAIF to White revolution in Maharashtra - Times of India 29 August 1991.	1991	V.J.Sidhye S.B.Gokhale

Sr. No.	Title / Journal	Year	Authors
18.	Studies on the effect of deep freezing and season on the leakage of aspartate amino transferase into extra cellular medium and sperm morphology of Murrah buffalo bulls. - Animal Reproduction Science. 26 : 219-226.	1991	M.R.Bhosrekar S.P.Mokashi J.R.Purohit S.B.Gokhale B.R.Mangurkar
19.	Maintenance of exotic blood level for better performance in crossbreeding programme in dairy cattle.	1992	S.B.Gokhale

	- Presented at Technical Seminar for celebration of 100 years of Dept. of Animal Husbandry Mah. State Akluj on 1st Feb.1992.		
20.	Sankarit Go Paidashitil Kanhi Anubhav ani Siddha Valu Nivadiche Mahatwa. - Presented at Seminar on Livestock Production held at Pune 11-12 July 1992.	1992	S.B.Gokhale
21.	Semen characteristics and Behavioral patterns of buffalo bulls in relation to age and seasons. - Indian Journal of Animal Science. 62:3.	1992	M.R.Bhosrekar J.R.Purohit S.B.Gokhale B.R.Mangurkar
22.	Effect of age and seasons on production performance of surati buffalo bulls. - Indian Journal of Animal Science 62 (5)	1992	M.R.Bhosrekar J.R.Purohit S.B.Gokhale B.R.Mangurkar
23.	Semen characteristics and behavioural patterns of buffalo bulls in relation to age and seasons - Indian Journal of Animal Sciences. 62 (3) :251-55.	1992	M.R.Bhosrekar S.P.Mokashi J.R.Purohit S.B.Gokhale B.R.Mangurkar
24.	Dudhatil Gritansh ani Anuvanshikta - Proceedings of Technical Seminar on milk quality of crossbreds in Maharashtra, Sangamner	1993	S.B.Gokhale
25.	Field Recording and sire evaluation under Indian conditions. - Proceedings of a National workshop on recent advances in livestock production Technologies May,21-22 Pune.	1993	S.B.Gokhale B.R.Mangurkar

Sr. No.	Title / Journal	Year	Authors
26.	BAIF Livestock information management system - Proceedings of a National workshop on information systems for Livestock Development Feb.1-3,1993 Avikanagar.	1993	S.B.Gokhale D.V.Rangnekar
27.	Glycerolization and equilibration procedures on quality of frozen buffalo semen - Indian Journal of Animal Sciences 63 (9) : 936-941	1993	M.R.Bhosrekar S.P.Mokashi J.R.Purohit S.B.Gokhale B.R.Mangurkar
28.	Effect of Glycerolization Procedure on the quality of frozen buffalo semen - Indian Journal of Animal Reproduction 14 (2) : 109.	1993	M.R.Bhosrekar S.P.Mokashi J.R.Purohit S.B.Gokhale B.R.Mangurkar
29.	Milk Fat content of Jersey crossbreds under Indian village conditions - Indian Journal of Animal Sciences November 1994 64 (11) : 1277 -1281.	1994	S.B.Gokhale B.R.Mangurkar
30.	Effect of some farmer attributes on milk production of Holstein crossbreds under field conditions.	1994	S.B.Gokhale B.R.Mangurkar
31.	Participatory approach in Goat development;- An initial report from Rajasthan.	1994	M.S.Sharma S.B.Gokhale D.V.Rangnekar

	- Proceedings of National Symposium on Livestock Production and management Anand. Feb.21-22.		
32.	Fertility of frozen buffalo semen packaged in three different types of straws. - Indian Journal of Animal Sciences.1994. 64 (4) :365-367.	1994	M.R.Bhosrekar J.R.Purohit S.B.Gokhale B.R.Mangurkar
33.	Morphological changes in cattle and buffalo sperm on glycerolation and deep freezing. - Indian Veterinary Journal 1994. 71 (2) : 189-190.	1994	M.R.Bhosrekar S.P.Mokashi J.R.Purohit S.B.Gokhale B.R.Mangurkar

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34.	Comparative study on conventional and control (programmable) freezer on the quality of buffalo semen. - Indian Journal of Animal Sciences 1994. 64 (6) :583-587.	1994	M.R.Bhosrekar S.P.Mokashi J.R.Purohit S.B.Gokhale B.R.Mangurkar
35.	Effect of different cooling rates in programmable freezer on the quality of frozen buffalo semen. - Proceedings of National Workshop on recent advances in Livestock Production Technologies May 21-23,1994 pp. 43-52.	1994	M.R.Bhosrekar S.P.Mokashi J.R.Purohit S.B.Gokhale B.R.Mangurkar
36.	Effect of glycerization deep freezing on the levels and release of enzymes in buffalo semen in relation to initial semen attributes. - Int. J. Anim. Sci. (1994) 9:253-259.	1994	M.R.Bhosrekar S.P.Mokashi J.R.Purohit S.B.Gokhale B.R.Mangurkar
37.	Selection of Sires for crossbreeding to improve milk production in India - BAIF Journal 1995. 15 (3 & 4) :6-8.	1995	S.B.Gokhale
38.	Field Recording and sire evaluation under Indian conditions. - Indian Journal of Animal Sciences 65 (2): 203-207 (February 1995).	1995	S.B.Gokhale B.R.Mangurkar
39.	Studies on milk fat content of Holstein crossbreds under Indian Village conditions. - Indian Journal of Dairy Science 1994. 48 (6) : 424-429	1995	S.B.Gokhale B.R.Mangurkar
40.	Fertility of buffalo semen frozen in programmable freezer. - Indian Journal of Animal Sciences 1995. 65 (6) :640-643.	1995	M.R.Bhosrekar J.R.Purohit S.B.Gokhale B.R.Mangurkar
41.	Growth of goats under village conditions of Rajasthan - Indian Journal of Anim. Sci. 66(6):624-633	1996	S.B.Gokhale H.H.Wadher S.G.Rathod M.S.Sharma D.V.Rangnekar

Sr. No.	Title / Journal	Year	Authors
42.	Behavioral response and conception rate of oestrus synchronized buffalo in relation to different parameters. - Presented at 4th World Buffalo Congress at Sao Paulo, Brazil.		M.R. Bhosrekar Y.P. Phadnis S.B. Gokhale B.R. Mangurkar
43.	Effect of Non genetic factors on Milk production of rural goats. - Indian Journal of Anim. Sci. 67(8):65-69	1997	S.B. Gokhale S.G. Rathod H.H. Wadher M.S. Sharma D.V. Rangnekar
44.	Moisture loss differences in Mulberry varieties maintained under Western Maharashtra conditions. - Indian Silk Journal (1997)	1997	S.B. Gokhale P.K. Kulkarni S.E. Dhusane Ms. S.C. Halbe S.B. Babar
45.	Improving milk production potential of dairy cattle under Indian situation. - Presented at International conference on Agri. business 6-8 March 1997 Hyerabad.	1997	S.B. Gokhale
46.	Studies on the effect of root trainer and rooting media on propagation of dalbergia sissoo. - Presented in workshop in "Research and Development in Afforestation of Wastelands and Future Thrust Areas." Organized by IFFDC and ICFRE Dehradun, July 16-18, 1997.	1997	P.S. Takawale V.K.Kauthale P.K. Kulkarni S.B. Gokhale J.N. Daniel
47.	Experiences in field recording of Goats in selected area of Rajasthan, India.	1997	S.B. Gokhale
48.	Experience in Animal recording in rural area of Maharashtra, India. - Paper submitted to International Workshop of Animal Recording in Rural Areas in Developing Countries. October 20-23, 1997 NDDDB, Anand.	1997	S.B. Gokhale
49.	Study of Traditional beliefs of Factors affecting Cattle Breeding using field records of Cattle Breeding Centres. - Presented in International Conference on Ethno Veterinary Medicine. November 4-6, 1997 BAIF, Pune.	1997	S.B. Gokhale

Sr. No.	Title / Journal	Year	Authors
50.	Education in a traditional economy - Paper presented in National Seminar in 50 years of education in India a critical review held at Pune University 7-8 Jan 1999	1999	S.B. Gokhale R.B. Gokhale
51.	Efficacy of some of the Bed-Disinfectants. Against Nuclear Polyhedrons. - Presented in National Seminar on Tropical Sericulture on 28-30 Dec. 1999 at Bangalore	1999	K.K. Singh C.J. Savanurmamath S.B. Gokhale
52.	Cattle Development: BAIF'S Approach - Presented in workshop Indo French 2000 held on 9th Dec.99 at Delhi.	1999	N.G. Hegde S.B. Gokhale

53.	Factors affecting conception rate in cows under field condition. - Indian J. Dairy Science 52 (5): 298.	1999	Bhagat R. L. Gokhale S. B.
54.	BAIF's Role in Milk Production. - Adarsh Sheti Udyog (4) : 3 February, March, April 2000	2000	S.B.Gokhale
55.	Scope of indigenous cattle and Buffalo development in operational area of BAIF - Presented at National Seminar on "Potential and prospects of applied reproduction Biotechnology for indigenous Cattle & Buffalo in the coming millennium" held at New Delhi 30-31 Jan. 2000.	2000	Gokhale S. B.
56.	Status of Reproductive Performance in Rural Buffaloes artificially inseminated using deep frozen semen. - Indian J. Animal Science 70 (4): 366 - 368.	2000	Gokhale S. B. Bhagat R. L.
57.	Status of Village Goat Management Practices in Maharashtra. - Indian J. Animal Science 72 (9): 810	2002	S. B. Gokhale R. B. Gokhale N. L. Phadke R. J. Desale
58.	Studies on the Effect of Hydrogen Concentration (pH) of Extender on Semen Characters of Surati Buffalo Bulls. - Buffalo Bulletin (June 2002) Vol.21 No.2	2002	S. B. Gokhale P. H. Joshi M. Mushtaque S. P. Mokashi

Sr. No.	Title / Journal	Year	Authors
59.	Village level experiences in India on breeding of dairy cattle in medium and low input systems. - 7th World Congress on Genetics Applied to livestock production, INRA, France	2002	S. B. Gokhale J. M. Duplan
60.	Studies on the Effect of Hydrogen ion Concentration of Extender on Semen Characters of Murrah Buffalo Bulls. - Indian Journal of Animal Reproduction 24 (2): 158-160, December 2003.	2003	S. B. Gokhale M. Mushtaque N. L. Phadke C. V. Dindorkar G. S. Ambhore
61.	Biochemical parameters of Sirohi buck semen. - Indian Journal of Animal Sciences 73 (9) : 1041-1044, September 2003	2003	S. B. Gokhale R. B. Gokhale P. R. Nisal P. H. Joshi A. M. Bambal
62.	Experiences in Livestock Development in relation to proposed Livestock Breeding Policy of Maharashtra - Workshop of Maharashtra Livestock Development Board at Mumbai on 27-28 th October 2004	2004	S.B.Gokhale
63.	BAIF experience on field progeny testing National seminar on field progeny testing - Presented in Animal Genetics Division, held at Indian Veterinary Research Institute, Izatnagar, Bareilly, U.P. on 25-26 th March 2005	2005	S.B. Gokhale

64.	Role of NGOs in breeding and development of drought cattle and buffaloes - National symposium on drought animal breeding and development for efficient utilization under Indian Farming System at Bangalore on 20-21 st April 2005	2005	S.B. Gokhale
65.	Emerging role of NGOs / Private sector in sustainable development of AnGR - Project evaluation and monitoring, workshop held at NBAGR, Karnal on 11-12 th April 2005	2005	S.B. Gokhale

Sr. No.	Title / Journal	Year	Authors
66.	Farmers perception regarding crossbred rearing in western Maharashtra - Indian Vet. J., November 2005, 82 : 1217-1218	2005	R. L. Bhagat S. B. Gokhale N. L. Phadke
67.	Effect of Inbreeding on production performance of crossbred cattle. - Indian J. Anim. Prod. Mgmt. Vol.19 (1-4): 29-34.	2005	R. L. Bhagat B. R. Ulmek S. B. Gokhale
68.	Farmers' perception regarding crossbred rearing in Western Maharashtra. - Indian Veterinary Journal 82 (11): 1217	2005	R. L. Bhagat S. B. Gokhale N. L. Phadke
69.	Effect of generation on production performance of non-inbred and inbred crossbred animals. - Accepted for publication in Indian J. Dairy Science	2005	R. L. Bhagat B. R. Ulmek S. B. Gokhale
70.	Generation effect on reproduction traits in non-inbred and inbred crossbred cattle. - Indian Veterinary Journal 83(2): 239	2006	R. L. Bhagat B. R. Ulmek S. B. Gokhale N. L. Phadke
71.	Status of Mastitis as an emerging disease in improved and periurban dairy farms in India. Compendium of Impact of emerging zoonotic diseases on animal health. - Annals of the New York Academy of Sciences Vol 1081 pp. 74-83.	2006	Sachin Joshi Suresh Gokhale
72.	Socio-economic factors influencing conception rate in cattle under field conditions. - Sent vetted article on 27 th April 2006 to Indian Veterinary Journal.	2006	R. L. Bhagat S. B. Gokhale A. B. Pande N. L. Phadke
73.	A note on reproduction status of twin bearing crossbred cows at field condition in Western Maharashtra. - Submitted to new journal at Beed	2006	R. L. Bhagat S. B. Gokhale A. B. Pande N. L. Phadke
74.	Effect of FSH dose on superovulatory response and embryo recovery in Dangi cows. - Submitted for publication to the Indian Journal of animal Sciences.	2006	J. R. Khadse S. B. Gokhale V.R.Dharmadhikari R. B. Gokhale

Sr. No.	Title / Journal	Year	Authors
75.	A Note On The Superovulatory Response And Embryo Recovery In Repeated Flushing Of Dangi Animal. - Submitted for publication to Indian Veterinary Journal.	2006	V.R.Dharmadhikari J. R. Khadse S. B. Gokhale N. L. Phadke S. A. Joshi
76.	A Note On The Superovulatory Response And Embryo Recovery In Repeated Flushing Of Dangi Animal. - Submitted for publication to Indian Journal of Animal Reproduction	2006	S. B. Gokhale J. R. Khadse V.R.Dharmadhikari I. M. Hangarge

14. Awards: Author to the research article entitled:

"Effect of glycerization and deep freezing on the levels and release of enzyme in buffalo semen in relation to initial semen attributes"

Won Lagerloff award the year 1995.

15. Affiliations/Membership:

1. Worked as Scientific Council of "Federation pour l'agriculture et la ruralite dans le monde" Paris
2. Worked as expert member of the committee constituted by Govt. of India for drafting paper on National Livestock policy.
3. Sitting member of Executive Committee Member of Maharashtra State Livestock Dairy Board.
4. Worked as Member of committee constituted by Govt. of India for reconstructing of existing central herd registration scheme.
5. Chairman of farm advisory committee constituted by Dept. of Animal Husbandry, Govt. of India for Central Cattle Breeding Farm, Dhamrod.
6. Worked as Member of management committee (CCBF & CFSP & TD) constituted by Dept. of Animal Husbandry, Govt. of India.
7. Worked as Member of committee on Export & Import of bovine germplasm.
8. Worked as Member of national semen certification committee constituted by Dept. of Animal Husbandry, Govt. of India, New Delhi.
9. Worked as Member of committee for developing course work on dairy farming. Indira Gandhi National Open University (IGNOU), New Delhi.
10. Worked as Member of expert committee constituted for screening project proposals of DST women group.
11. Former Visiting Dairy expert faculty to Reserve Bank of India College Pune.
12. Sitting Member of Advisory Board to Nimbkar Agriculture Institute Phaltan.
13. Worked as Project evaluator to council for Advancement of Peoples Action and Rural Technology (CAPART) New Delhi.
14. Post graduate and Doctorate examiner for Mahatma Phule Agricultural University Rahuri in the field of Dairy Cattle Breeding.
15. Worked as Adviser consultant to BRAC Bangla Desh in Dairy Cattle Production.
16. Former Member of expert committee on progeny testing by Govt. of Andhra Pradesh of India.
17. Member on Board of trustees of Maharashtra Institute for Technology Transfer for Rural Areas Nasik.
18. Member of Board of Trustees on BAIF Institute for Rural Development Karnataka.
19. Member of Board of trustees for Manibhai Desai Management Training Centre, Pune, Maharashtra.
20. Technical member on Board of Directors of livestock committee on National livestock Project, Maharashtra.
21. Guide for Post Graduate & Doctorate Research Studies in Pune University.
22. Advisor to the Research Journal entitled "Journal of Basic & Applied Sciences".
23. Member of Advisory committee for the research journal entitled "Journal of Livestock Biodiversity"

16. Research Schemes Handled:

Project leader for Research Projects Completed:

Sr. No.	Name of the Research Scheme	Sponsoring agency	Status of working	Status
1	Study on Genotype Environment Interaction in Bos taurus X Bos indicus cattle under Indian Tropical conditions.	Asian Paints	Principal Co investigator	Completed
2.	Field Studies on Performance of Sirohi Goat".	ICAR	Principal Investigator	Completed
3.	Research studies on frozen semen of Goat.	CEC	Project Leader	Completed
4.	Network Project on Survey, Evaluation, Characterization and Conservation of Dangi Cattle Breed.	NBAGR	Principal Investigator	Completed
5	To study feasibility of conservation and improvement of Dangi Cattle using Embryo transfer.	DBT	Principal Investigator	Completed
6.	Network Project on Survey, Evaluation, Characterization and Conservation of Deccani sheep Breed.	NBAGR	Principal Investigator	Completed
7.	Pilot trials on Mulberry Tree Plantation on Wastelands and in Agroforestry Systems in Gujrath and Maharashtra.	CAPART	Principal Investigator	Completed
8.	All India Coordinated Experiments in Sericulture BAIF Unit.	CSB	Principal Scientist In charge	Completed
9.	Development of non forest waste lands using vermiculture technology	WDB	Project Leader	Completed
10.	Standardization of vegetative propagation technique and clonal propogule production of three multipurpose tree species	CEC	Project Leader	Completed
11.	Basic health project	GTZ Germany	Project Leader	Completed
12.	Network Project on Animal Genetic Resources – Khillar Cattle	NBAGR	Principal Investigator	Completed
13.	Dairy Cattle Improvement through Biotechnology	TATA	Principal Investigator	Completed
14.	Genetic improvement of Dairy Livestock for Sustainable Livelihood.	TIFAC	Principal Investigator	Completed

Project leader for ongoing Research Projects:

Sr. No.	Name of Project	Sponsorin g Agency	Status of working	Status
1.	Network Project on Animal Genetic Resources – Ex-situ conservation of Jaffarabadi buffaloes	NBAGR	Principal Investigator	Ongoing
2.	Network Project on Animal Genetic Resources – Ex-situ conservation of Krishna Valley cattle	NBAGR	Principal Investigator	Ongoing
3.	Field Progeny testing project under project	ICAR	Principal	Ongoing

	Directorate on cattle		Investigator	
4.	Improvement of Gir cattle & Jaffarabadi buffaloes through Artificial Insemination in Swarashtra region of Gujarat	NDDDB	Project Leader	Ongoing
5.	Feasibility of producing home made media for embryo transfer technology	DST	Co-investigator	Ongoing
6.	Dairy Cattle Improvement Programme through Scientific Breeding and Artificial Insemination in Champawat District	DST	Co-investigator	Ongoing
7.	Community Outreach Programme, Bhigwan (BILT)	BILT, Bhigwan	Project Leader	Ongoing
8.	Comprehensive Veterinary Care programme (CVCP)	DDIL	Project Leader	Ongoing
9.	To study Male and Female reproduction aspects in Ongole and Gir cattle using ET and semen freezing technology	MV-JOP Group, Brazil	Project Leader	Ongoing

17. Technical Consultancies:

1. Technical consultancy to BRAC in Bangla Desh in 1998 and 2000 for improvement of their livestock.
2. Leader for technical consultancy to Government of Jharkhand on livestock improvement Year 2001
3. .Project Leader for technical consultancy to District Rural Development Agency Mandi Govt. of Himachal Pradesh for Dairy, Sericulture and Floriculture project. Year 2002.
4. Project Leader for technical consultancy to District Rural Development Agency Chamba Govt. of Himachal Pradesh for livelihood project. Year 2003.
5. Consultancy provided to Rajasthan Cooperative Dairy Federation for studying feasibility of Field Progeny Testing in Tharparkar Breed of cattle Year 2006.