

CURRICULUM VITAE

1. Name : **Dr. Brij Narayan Singh**

2. Date of Birth : **12th August, 1949.**

3. Educational Qualification

Sno.	Name of Degree Examination	Name of University	Subject	% of Marks	Division
1	Dr. Med. Vet. (Equivalent to Ph.D. degree)	Veterinary Medicine University Vienna (Austria)	Animal Breeding & Genetics	Outstanding Understanding (*)	1 st Division
2	Dip. Animal Management and reproductive Biology	Veterinary Medicine University Vienna (Austria)	Animal Breeding & Genetics Animal Production & Management	Excellent	1 st Division, 1 st Position in University
3	M.V.Sc. & A.H. (Hon's)	J.N. Agriculture	Animal Breeding & Genetics	76.42	1 st Division with Honors

		University Jabalpur India	Animals Production & Management		
4	B.V.Sc. & A.H.	J.N. Agriculture University Jabalpur India	All Veterinary Subject	68.32	1 st Division 1 st Position in University Gold Medalist

Awarded fellow for the “ National Academy of Veterinary Science”
year 2011-12

The thesis of Dr. med. Vet. was graded as “Outstanding understanding”. The subject of Dr. Med. Vet. was, Major-Animal Breeding & Genetics, and Minor were Physiology & Gynecology. The grade fixed by Veterinary Medicine University Vienna, were Very Good, Good, better than average, average, below average. After seeing the performance in Major and Miner subject of undersigned, university authorities has decided to give “Outstanding understanding” in all subject they have changed rules of university for undersigned.

- **Dr. Med. Vet. of Veterinary University Vienna was treated as equivalent of Ph.D. degree in India by Indian Council of Agricultural Research New Delhi Vide No.12(1-A/76/Edu. I. dated 17th may 1980. (Copy enclosed)**

4. Position held –

Position Held	Institution	Period of Appointment	Nature of Appointment
Research Assistant (AG&B), COVS, Jabalpur.	Vice Chancellor, J.N.K.V.V., Jabalpur	Feb 71 to Aug. 71	Teaching graduate student and Research in Animal Breeding & Genetics.
Sr. Res.Asstt. (AG&B), COVS, Jabalpur.	Vice Chancellor, J.N.K.V.V., Jabalpur	Aug. 71 to Jan 75	Teaching graduate student and Research in Animal Breeding & Genetics.
Asstt. Professor (AG&B), COVS, Mhow, Indore.	Vice Chancellor, J.N.K.V.V., Jabalpur	Jan 75 to July 81	Teaching Animal Breeding & Genetics at Graduate & Postgraduate level and Research in Animal Breeding & Genetics.
Asso. Professor (Ani. Prod. Mngt. & Head of the Deptt., COVS, Mhow, Indore.	Vice Chancellor, J.N.K.V.V., Jabalpur	July 81 to Aug. 83	Res./ Teaching & Extension on Animal Production and Management and Head of University Farms of Cattle, Poultry & Piggery and Agriculture Farm (572 Acres).
Executive Director, M.P. State Livestock & Poultry Development	Government M.P., Department of Animal	Aug. 83 to Dec. 88	Monitoring of Institution's under Nigam (Corporation) i.e. Poultry and cattle farms, Poultry projects. Supply of quality

Corporation, Bhopal.	Husbandry		animals to different Govt. project, General Administration and Project preparation for the Corporation.
Managing Director, M.P. State Poultry Dev. Federation, Bhopal and Managing Director, M.P. State Poultry Federation, Bhopal.	Government of M.P., Department of Animal Husbandry	Dec. 88 to 31 Aug. 2011	Administration of Corpo. preparation of project & persuasion for sanction from Govt. of M.P. & GOI. Implementation of the Project, interaction with rural beneficiaries of Animal Husbandry and monitoring the project, arranging Board meeting & follow up action. Arranging funds for corporation.
Managing Director, RKDF Group of Education, Bhopal	RKDF, Bhopal	Oct. 2011 (Conti..)	Group have 100 Institute of Engineering Dental, Nursing, Management etc & at Present establishing Private University. Undersigned is associated with Management of above Institutes, establishment of Univ. including A.H. Faculty, appointment of key personal in University Including Vice Chancellor, Registrar and Dean faculties etc.

A) Academic Excellence

- (1) Dr. med vet (Ph.D.) from veterinary University Vienna, Austria. The above degree was recognised by ICAR as equivalent to Ph.D. (Copy Enclosed) Dr. Med. Vet. was in the field of Animal Breeding & Genetics as major subject and physiology and Gynecology as a minor subject. The higher grade was , very good, good, better than average, average and below average, but veterinary University Vienna changed the grading system after seeing the performance of Undersigned & awarded the grade “outstanding understanding” in all subject (copy enclosed)
- (2) Diploma in Animal Management and Productive Biology from veterinary University Vienna, Austria. (copy enclosed)
- (3) M.V.SC&AH. From JNKVV Jabalpur in Animal Breeding & Genetics with Hon’s (copy enclosed)
- (4) B.V.SC.&AH from JNKVV Jabalpur –Gold Medalist (copy enclosed)

Teaching Research and extension experience at JNKVV Jabalpur from 1971 to 1983.

(b) Experience in applied animal husbandry activities creating employment generation in villages of M.P. State. **The applied animal husbandry activities includes:**

- (a) Breed improvement in cattle,
- (b) Breed improvement in Buffalos,
- (c) Breed improvement in Goat,
- (d) Breed improvement in Pig.

(c) Project cell while working as M.D., M.P. Livestock & Poultry

Development Corporation. The work of Project cell was:

- (I) Preparation of project reports for establishment of Hi-tech Dairy and Goat farm for entrepreneur of M.P.
- (II) Assistance in development of Backward & forward linkages for the project.
- (III) Sanction of loan from the banks.
- (IV) Assistance in establishment of farm (building, livestock purchase, training of entrepreneur etc).
- (V) Assistance in market linkage.

(d) Special Attributes/attainments.

- As M.D. of M.P. Livestock & poultry development corporation, following projects were prepared received the fund and implemented:

(a) National project on

Cattle & Buffalo Rs. 3875=00 Lacs
Breeding for M.P. State

(b) Carcass utilisation Rs. 380=00 lacs

Plant For M.P. State

(c) Animal insurance

Scheme Rs. 680=00 lacs

(e) Strengthening of following Institutions:

- Frozen Station Bhopal- **ISO and HACCP Certified & Graded by GOI.**
- Bull mother farm Bhopal- **ISO Certified.**
- Farmers training centre at Bhopal, **ISO Certified.**

(f) Result of above schemes in M.P.

- Productivity of Cattle & Buffalo (Milk) increased in State more than the national average.
- The growth of Milk production of the State/Year was more than the national average.
- The productivity of milk in Goat/day and carcass yield in much higher than the national average.

Concepts/Processes/Products/Technologies/Patents/Others

(i) Concepts (Such as propounding a new theory),

Following four Concepts were envisaged and implemented for providing employment to Rural People in M.P. State through Poultry and Goat Farming and for care of environmental issues:

(a) Cockerel Rearing-

Male Chicks of Layer strains were not reared and destroyed in hatcheries. MOU was made by undersigned with Hatcheries of M.P. They agreed to supply Rs 2=00/ Chicks Vaccinated & F.O.R. to Distt. of M.P.. M.P. State Cabinet and GOI appreciated the Project. Farmers were provided 50 to 100 chicks & they reared in free range System for u month. The economics were as under:-

- | | |
|--------------------------------|--------|
| (1) Cost of 100 Chicks | Rs.200 |
| (2) Mortality 25% Chicks alive | Rs.75 |
| (3) Rearing up to 4 month | |

(4) Sale of birds Rs.40(40x75)	Rs.3000
(5) Saving 7 cycle	Rs.2800
(6) 3 times/year	Rs.8400

Result

- (1) Local News Paper Published the rate of Cockerel every day
- (2) Nutrition to Rural masses
- (3) 10% farmers has adopted commercial poultry farming
- (4) Supply of Chicks were 40 Lac/Year
- (5) Now the hatcheries are supplying directly to farmers in weekly Bazaars' of block in each distt.

(b) Egg Route in Tribal Areas

- (1) MOU with Private Poultry farmers for rearing the layer chicks upto 4½ month of age.
- (2) Construction of Cages for 250 Laying bird (Fund from Tribal Department of State Govt.).
- (3) Providing 3 Month Layer feed (Fund from Tribal Department of State Govt.)
- (4) Selection of Tribal Beneficiaries near the Road Side
- (5) Egg Route were 40-60 Km. On the Road
- (6) Vehicle will go to every week in each egg route, providing feed and on return collection the eggs.
- (7) Profit (Cost of egg- cost of feed and medicine) was deposited to beneficiary bank accounts
- (8) Every egg route produced 8 to 10 Lakh eggs/year.

(c) **Goat Development in M.P. State for Tribals & other goat farmer**

At Cattle Breeding Farm , Kirathpur Distt. Hoshangabad (M.P.)

Undersigned introduced A.I. in Goats using Boer Goat semen

- Using controlled heat concept, A.I. was done to Tribal Farmer Goats with Boer Goat Semen (Fund from Tribal and other Farmers & NGO paid Rs.60/A.I.
- The average body weight of kids were 19 to 22 kg in 3 Month of age
- Farmers who wanted to sale their kids, were paid Rs.130/Kg live weight by cheque.
- Now some of the farmers are doing A.I. at Farm in M.P.
- M.P. State has large number Boer Goat Cross Goat male/female kids
- Above scheme started in 2001 are continued.

(d) Scope of **Carcase Utilisation Plant** envisaged in early 1990 to contribute towards disease spread and environmental pollution under Govt./ Semi-government organisation.

(ii) Product (Development of new products (diagnostics, varieties, products etc.)

While working as M.D. of the M.P. Livestock & Poultry Corporation, the 1st carcasse utilisation plant was established in the year 1996-97 in India under Govt./ Semi-government organisation. The plant was established 60Km from Bhopal in Delawadi.

The unique concept was developed to lift the carcass of Livestock from Bhopal municipal area. Through advertisement, the telephone number was made Known to Livestock owner. Through SMS/telephone, owner use to inform our organisation about the place where the carcass is lying. A Vehicle was renovated

with carcass lifting device. After lifting the carcass, the area use to be sprayed with disinfectant free of cost and in turn leading to check any further risk of spread of disease and simultaneously avoiding any sort of environmental pollution.

The bone and meat meal produced from carcass was sold to poultry farmers and west Bengal Livestock & Poultry development under a Brand name of “CALPO”, the leather/ Skin after processing was sold to Government (Police Department) and Private organisations. **It’s a matter of proud that first plant under Govt. Sector, has been continuously working from the date of its establishment in 3shift/day.**

(iii) Technologies generated/ Patents

Useful technologies for animal husbandry sector were chosen with technical support from SMS and were implemented under field conditions.

Scientific Leadership

- (a) Member of **Poultry Federation of India**
- (b) Member of **Word Poultry Science Association**
- (c) Member of **Animal Production & Management Association of India**
- (d) Member of **Word Cattle Blood Group Association**
- (e) Member of **Central advisory Committee** for the Development of sheep, Goat & Rabbit under the **Chairmanship of Minister Agriculture, Govt. of India.**
- (f) Member of Indian Team Under the Chairmanship of Secretary Department of AH Govt. of India to Netherland in the year 1989-90 to participate in world dairy & poultry Exhibition
- (g) Member of Exposure team under the Chairmanship of Jt. Secretary Govt. of India Deptt. Of A.H. to Switzerland and Netherland in the year 2003-04

- (h) Chaired many technical organised by NABARD and Department of Animal Husbandry Govt. of M.P.
- (i) Invited by Govt. of China for discussion in A.H. Specially for Goat Development in the year.

Awards & honours

- (a) J.N Agriculture University, Jabalpur **Gold Medal** in the year 1971 at Graduation level.
- (b) Major **G.C. Juneja & Dr. R.L. Kaushal Trophy** being best outgoing student of college of very. Sc. & A.H. Mhow in the year 1969-70
- (c) **Austrian – UNESCO Scholarship** for under going doctoral studies at Veterinary University, **Vienna, Austria**
- (d) Ph.D. research work got wide publicity through T.V. and News paper of Austria (**Copy Enclosed**)
- (e) Represented Govt. of Austria as member of scientists team for international seminar in Europe.
- (f) Awarded “**Rajeev Gandhi Excellence Award**” on 19th August 1996.
- (g) Awarded “**Rajeev Gandhi Rastria Gaan Vigan Hindi Molik Pustak Lekhan Award Year 2005-06**” on 14th September, 2007 by Ministry of Home, Govt. Of India
- (h) Award “**Dr. Rajendra Prasead Award Year 2005-06**” on 16th July, 2008 for book in Hindi by Ministry of Agriculture Govt. Of India.
- (i) Goat Farmer association of Germany & France Invited Undersigns for developing linkage for export of goat milk cheese from India in the year 2005-06

Text /Standard Books

- (1) ***Vyavaharic Pashupalan***(Applied A. H. of Cattle, Buffalo, Sheep, Goat, Horse, Swine & Camel) by S C Dubey, A K Shinde & **B N Singh**, in **Hindi**, Pages- 369. Got **Two National Awards**. IBD Co. Lucknow, 2006.
- (2) **Management of Cattle & Buffalo** by **B N Singh**, in **Hindi**, Pages- 70, Published by MP LS&PC, Bhopal.

Monographs / manuals

- (1) 18 Manuals (Hindi & English each) in Animal Husbandry Management for Child & woman Development Department Govt. of India
- (2) Treatment of Livestock in Rural Areas (Copy Enclosed)
- (3) Vaccination of Livestock (Copy Enclosed)

(a) List of Research Paper Publications

- (1) B. N Singh, D.P. Mukharjee and A.G. Khan (1976). A Note on genetic studies on the dimensional characteristics of the erythrocyte and spermatozoa of four strains of white Leghorn birds Indian J. Anim. Sci. 46(10) 564-567.
- (2) Irene Stur, Brij N. Singh and Walters Chleger. Note on the Production of test sera (1978) ISABR. Conference at Leningrad Russia (Ph.D. Research work of Dr. B.N. Singh) not listed
- (3) B.N. Singh, D.P. Mukherjee and K.L. Mate (1976). Genetic Analysis of Production Traits in White Leghorn Birds. Indian J. Poultry Science **9**: 145-148,
- (4) M.I. Qureshi C.M. Taylor and B. N. Singh (1980). Note on the Inheritance of udder measurements and their correlation with test milk yield in Gir cows Indian J. Anim. Sci. 50(2) 198-199.

- (5) S.K. Chorasias B.N.Singh and G.S. Tripathi (1983).Some economic traits of Rathi cows Indian J. Anim. Sci. 53 (9) 1008-1009.
- (6) M.I. Qureshi, C.M. Taylor & B.N. Singh (1979).Inheritance of body measurements and Body weight in Gir cows Indian J. Dairy Science **32**:201-202.
- (7) M.I Qureshi, C.M. Taylor and B.N. Singh (1980). Note on correlation studies between different body measurements and body weight in Gircows Indian J. Anim. Sci. 50(10) 877-879.
- (8) C.M. Taylor, M.M. Dhinara and B.N. Singh, (1979). A note on the effect of sire and hatch on fertility, hatchability and embryonic loss in white leghorn birds. Indian J. Anim. Sci. **49**(9): 773-774.
- (9) C.M. Taylor, Ashok Singh and B.N. singh (1984). Gestation period in malvicattle Indian Vet. J 61(June) 490-495.
- (10) Ashok Singh, C.M. Taylor and B.N. Singh (1984).Factors affecting lactation period in malvi cows. Indian Vet.med. J. 8(june) 127-128.
- (11) C.M. Taylor B.S. Gurang & B.N. Singh (1978). Influence of heterosis on egg production in poultry Livestock advisor xi(v) 45-47
- (12) Ashok Singh. S.K. Churasia and B.N. Singh (1984). A study on the age first conception in murrabuffaloes Indian Vet. Mid. J. Vol8 75-76
- (13) D.N. Cora, R.A.S. Chauhan and B.N. Singh (1982). Correlation studies between different microscopically and biochemical characteristics of semen in cross bred bulls JNKVV Res.J. 2(11)6-7
- (14) M.V. Dhoke, K.S. Jhoar&B.N.Singh (1974). Genetic variation in the age at first calving in harianacows JNKVVRes.J. 8(2) 95-97
- (15) S.K. Panday R.K. Pandit M.R. Patel and B.N. Singh (1973). Observations with clycerylcuaiacolate on dogs JNKVVRes.J.J. 94) 265-267
- (16) C.M. Taylor, B.N. Singh R. Vyas and B.S. Gurang (1974). Genetic studies on egg mass in Black AustralorpGujvet (1&2) 20-24

- (17) C.M. Taylor and B.N. Singh, (1978). Genetic and nongenetic factors affecting some of the economic traits of Black Australorp birds Indian Poultry Review x(2) 32-34
- (18) C.M. Taylor, A.K. Shrivastava B.N. Singh and B.S. Gurang (1979). A Comparative assessment of reproductive traits in white leghorn and Rhode Island Red breeds of poultry. Indian Poultry Review Y(917) 15-16
- (19) G.C. Soxcena, C.M. Taylor and B.N. Singh (1980). Genetic Studies on fertility and hatchability in Rhode island red birds Indian Poultry Review (xii) (4) 41-42
- (20) C.M. Taylor R. VyasAnd B.N. Singh (1975). Some reflection on the breeding behavior of horses The Indian Poultry Gazette 59 (3) 58-61.
- (21) C.M. Taylor B.N. Singh and D.N. Saha (1979). Some reflection on the breeding Behaviour of Horses Agro Animal Science & Health (iii) (12) 494-498
- (22) C.M. Taylor, D.N. Saha& B.N. Singh (1980). Camel Breeding Its importance and development possibilities. Livestock advisor V(iv) 21-25
- (23) M.M. Dhingra, B.N. Singh and C.M. Taylor (1979). Protein polymorphism in sheep Livestock Advisor Iv (vi) 13-16
- (24) Taylor C.M., Singh B.N. and Jadav S.R. (1980). Effect of 3-nitro Hoechst on growth of albino rat (musnorvegicusalbinus) Live stock advisor V (viii) 47-49
- (25) Ashok Singh, C.M. Taylor and B.N. Singh (1983).Factors affection calving intervals in Malvicattle. Livestock Advisor viii(viii) 9-11
- (26) Ashok Singh, C.M. Taylor and B.N. Singh (1983). Factors affection dry period in Malvi cattle Livestock advisor viii(xii) 16-18
- (27) C.M. Taylor, D.N. Saha and B.N. Singh (1980). Camel breeding Its importance and development possibilities Live Stock advisor v(iv) 21-23

Extension articles

Extension related Hindi articles in technical journals/weekly/News papers- 25

Significant contribution of the applicant to Veterinary Research and Human Resource Development

- Mou with M.P. Live stock and IGNOU for training of farmers in Animal Husbandry activities
- Several extension bulletin were published for Animal Husbandry farmer
- Visited **Germany, France and Netherland** on the request of Goat Farmes of Europe to make a linkage with Goat Farmers of India for the export of feta cheese from Goat milk. Two project on goats were under implementation when I retired.
- Two innovative project has been taken by undersigned with the financial assistance of State Government
 - (a) Implementation of **Nandishalayojna** for increasing the milk productivity of cattle in the state.
 - (b) Make M.P. as a Goat State.

Both the Project were included as successful AH projects in India Rural Summit 2006-7 organised by FICCI, with collaboration of Ministry of Rural Department and Other Ministry (Copy Enclosed)
- Establishment 14 Goat Breeding farm in M.P. (Cost of project 1.8 crores)
- Establishment Goat Breeding farm & Production of feta Cheese for export at Khujuraho (Cost of Project (37.00 Crores) MoU with M/s Goat Fresh Farm, Pvt Ltd., Nodia
- Establishment of Hi-tech integrated cattle Breeding farm & Production of Different milk Product for export & for use in India at silwani-Raisen (Cost

of Project Rs. 28.00 Crores) MoU with Green & White Farm, Pvt. Ltd.,
Bhopal

- Establishment of Hi-Tech Dairy Breeding Farm & processing of milk product at Boriseshore (Cost of Project Rs 42.00 Crores) MoU with M/s Reliable Dairy and Farm Product Pvt. Ltd., Bhopal
- Establishment of Holestein Friesian Heifer rearing Centere at Vidisha (Cost of Project Rs. 1.00 Crores) MoU with M/s Virendra Sharma

5. Countries Visited

: Austria, Germany, Italy, Czekslavia, Franc,
China, Netherland and Switzerland.

(Dr. B. N. Singh)

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