

CURRICULUM VITAE

Dr. Prakash Chandra Sharma

Assistant Professor

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1. GENERAL INFORMATION

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| Father's Name | SHRI MOTI LAL SHARMA |
| Date of Birth | 15-02-1970 |
| Bonafide Residence | Rajasthan (India) |
| Permanent Home Address | 506, SDC Euro Exotica, KausalNagar, NewSanganer Road, Near Mansarovar RIICO Industrial area, (SanganerOverbridge), Sanganer Jaipur |
| Designation | Assistant Professor |
| Discipline | Animal Genetics and Breeding |
| Area of Specialization | Genetic Evaluation and Genomic Selection |
| Present Place of Posting with full Official Address | Department of Animal Genetics and Breeding, CVAS, Bikaner, (Rajasthan University of Veterinary and Animal Science, Bikaner) |

2. PROJECT IMPLEMENTATION (External Funded):

| Project Title | Capacity in which associated | Funding Agency | Location | Duration |
|---|-------------------------------------|-----------------------|-----------------------|-----------------|
| National Programme on cattle and Buffalo Breeding (NPCBB) | Executive Officer | GOI | RLDB, Jaipur (GOR) | 2012-14 |
| Network Project on Buffalo Improvement (Surti Buffalo) | Principal Investigator | CIRB-ICAR | CVAS Navania, RAJUVAS | 2016-17 |
| Mega Sheep seed Project (Sonadi Unit) | Principal Investigator | CSWRI-ICAR | CVAS Navania, RAJUVAS | 2015-17 |
| Sub Project Plan for Pedigree Selection for Tharparkar bull | Subject Matter Specialist | NDP-1 RGM | RLDB, Jaipur (GOR) | 2016-24 |

3. Research Project (Internal)

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|---|----------------|
| Research Project | |
| Serum lysozyme a marker for enhancing immunocompetence in Indian goat | 2002-03 |

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| Genetic Evaluation of KF cows for functional traits | 2008-2010 |
| M.V.Sc Thesis : Major Guide | |
| Genetic Evaluation of Surti Buffalo of production performance traits | 2017-18 |
| Genetic Evaluation of Sonadi for Growth performance traits | 2017-18 |
| Genetic Analysis of Surti buffalo for TDM yield and Reproductive performance traits | 2018-19 |
| Comparative study of certain semen parameters of various genotype (breed) with particular reference to cattle and buffalo in Rajasthan | 2020-21 |
| Genetic evaluation of Gir and Sahiwal bull for fertility trait | 2021-22 |
| Effect of THI on Semen quality of crossbred bull | 2022-23 |
| <u>Ph.D Thesis : Co Guide</u> | |
| Genetic analysis of semen quality in cattle and buffalo | Pursuing |

4. Recognition :

| S. No. | Name of Recognition | Conferred by Organization | Year of Recognition |
|--------|---|---|---------------------|
| 1 | State Resource Person Grade A for Livestock under State Rural Livestock Mission | Rajasthan Grameen Aajeevika Vikas Parishad, Rajasthan | 2022 |
| 2 | Member of the committee for preparation of action plan of Jan Ghosana Patra- livestock Policy 2010(Amendment) | Govt. of Rajasthan, Jaipur | 2019 |
| 3 | Member of Editorial board | Ruminant Science, Anand Publishing, Jaipur Rajasthan | 2012 |
| 4 | Members of State Level Committee for Vision 2025: Animal Husbandry Sector | Department of Animal Husbandry, Govt of Rajasthan, Jaipur | 2010 |
| 5 | Member of the State level committee for characterization of cattle breed of Rajasthan | Department of Animal Husbandry, Govt of Rajasthan, Jaipur | 2004 |

5. Affiliation with Professional bodies/ Institution/societies

| S. No. | Name of Professional bodies/ Institution / Societies | Contribution | Year |
|--------|--|--|-----------------------|
| 1 | Rajasthan Livestock Development Board, Jaipur | Member of Project Management Committee (PMC) for implementation of PS Tharparkar Project under NDP-1 and RGM | 2014-18 2019- cont |

| | | | |
|---|---|--|--------------------------------|
| 2 | Rajasthan State Livestock Management Training Institute | Resource Person | 2017- cont |
| 3 | Society For Conservation of Domestic Animal Biodiversity | Recommendation submitted for conservation and improvement of Genetic resources | Life Membership (1090) |
| 4 | Ruminant Science | Review the manuscripts for publication in the Journal | 2014-2022 |
| 5 | The Indian Society of Animal Genetics and Breeding, New Delhi | Recommendation submitted for conservation and improvement of Genetic resources | Membership No.: ISAGB/695 /669 |

6. Significant Contribution :

| SN | Title | Details of Patent /Registration /Commercialization | Year |
|----|--|--|---------|
| 1 | Genetically Superior, Performance evaluated with BLUP values, Sonadi Sheep and Surti Buffalo germplasm, Sold to government and other agencies (CSWRI) for breed Improvement Purpose (This is addition to sheep and buffalo retained for breeding purpose at the Farm) | Since animals can not be patented it could not be done. Elite Sheep and Buffalo germ-plasm were sold to various agencies including CSWRI for Breed improvement purpose | 2015-17 |
| 2 | 26 Ram to Registered Farmers) | The FAO of United Nations adopted GLOBAL PLAN OF | 2014-15 |

| | | | |
|---|--|---|---------|
| 3 | 19 Ram to CSWRI 42 (Registered Farmers in TSP area) | ACTION FOR ANIMAL GENETIC RESOURCES and the INTERLAKEN DECLARATION on genetic improvement and conservation. Production of breeding animals with predicted breeding values contributes to Global Plan of action. This is as good as patenting a technology. | 2015-16 |
|---|--|---|---------|

7. PARTICIPATION IN ADMINISTRATION/ CORPORATE LIFE

| PARTICULARS | CONTRIBUTIONS |
|-------------------------------------|---|
| Research Project (ICAR) | <ul style="list-style-type: none"> • Principal Investigator of Network project on Buffalo Improvement • Principal Investigator of Mega Sheep Seed Project at Livestock Research Station, Vallabhnagar. |
| Participation in Committees/ Bodies | <ul style="list-style-type: none"> • Expert / SMS on SPP –NDP Tharparkar • Committee for preparing the draft on Vision 2025 for Department of AH (GOR) • Committee on conservation of livestock resources of Rajasthan (Department of AH ,GOR) • Committee for preparing the draft on breeding policy of Rajasthan, (Department of AH ,GOR) • Committee on use of modern reproductive technologies for livestock improvement (Department of AH ,GOR) |
| Editorship of Journals | Ruminant Science |

8. PROFESSIONAL EXPERIENCE

| Postion | Organization | Period | Nature of duties* |
|---|--|---------------------------------|--|
| Assistant Professor | RAJUVAS BIKANER | 23-07-2014 TO Continue.. | Research, Teaching, Extension (Breeding) |
| Assistant Director/ Senior Veterinary Officer/ Executive Officer | Rajasthan Livestock Development Board, DAH, GOR | 01-04-12 to to 22-07-14) | Implementation on National Project on Cattle and Buffalo Breeding, RKVY,NDP |

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|--------------------|---|--------------------------|--|
| | Jaipur | | |
| Veterinary officer | Department of Animal Husbandry , Govt. of Rajasthan | 18-01-2007 to 31-03-2012 | Extension , Breeding and project formulation |
| Veterinary officer | Department of Animal Husbandry , Govt. of Rajasthan | 18-01-1997 to 31-12-2006 | Extension , Breeding and project formulation |

9. Research Publication

| S N | Author | Year | Title | Journal with Vol., Nos. Page(s) |
|-----|---|-------------|--|---|
| 1 | Balasundaram,B.,V.B.Dongre, A.K.Gupta,T.K.mohanty, P.C.Sharma ,Keviletsukate and R.K.singh | 2010 | Influence of genetic and non-genetic factors on incidence of reproduction problems in Karan Fries cows | Wayamba Journal of Animal Science. 46-48 |
| 2 | Sharma, P.C.; Sharma, A.K.; Gupta, A. K.; Mohanty, T.K Chakravarty, A..K. and Singh, A. | 2010 | Predicting lifetime performance in Karan-Fries dairy cattle using first lactation performance and functional traits - a connectionist approach | International journal of computational intelligence research. 6 (4) 557-560 |
| 3 | Balasundaram,B.,V.B.Dongre, A.K.Gupta,T.K.mohanty, P.C.Sharma ,Keviletsukate and R.K.singh | 2010 | Influence of genetic and non-genetic factors on incidence of calving abnormalities in Karan Fries cows | Indian Journal of Animal Research 45(1) : 26-31. |
| 4 | Balasundaram,B.,V.B.Dongre, A.K.Gupta,T.K.mohanty, P.C.Sharma,Keviletsukate and R.K.singh | 2010 | Influence of genetic and non-genetic factors on incidence of post-partum uterovaginal complications in Karan Fries cows. | Indian journal of Animal Research 45(3):192-197. |
| 5 | P.C.Sharma ; A.K. Gupta ; T.K. Mohanty ; A. K. Chakravarty ;A.Singh; A.K.Sharma ; K.P.S. Tomar; B. Balasundaram and Y.Singh | 2011 | Genetics of calving health traits in Holstein crossbred cows. | Indian Journal Of Dairy Science: 64 (5) 412-417 |
| 6 | P.C.Sharma; A.K.Gupta; T.K.Mohanty; A.K.Chakravarty; A.Singh and K.P.S. Tomar | 2011 | Genetic analysis of udder health in Holstein crossbred cows | Indian Veterinary Journal 88 (9): 163-165 |
| 7 | P.C.Sharma; A.K.Gupta; T.K.Mohanty.;A.K.Chakravarty; A.Singh and S.Chandra | 2011 | Genetics of uterine health in Holstein crossbred cows | Indian Veterinary Journal 88 (10): 83-86 |
| 8 | Yajuvendra Singh, S. S. Lathwal, S. K. Tomar , B.K. Roy, A. Sharma, T. V. Raja, R. L. Dangi, P. C. Sharma , Munendra and Gulab Chandra | 2011 | Role of Biotin in Hoof Health and Milk Production of Dairy Cows | Animal Nutrition and Feed Technology 11(1) |
| 9 | P. C. Sharma; A. K. Gupta ; T. K. Mohanty ; A. K .Chakravarty ; A. Singh ; A.K. Sharma; and B. Balasundaram | 2012 | Genetic analysis of Female Fertility health traits in Karan Fries cows | The Indian Journal of Animal Reproduction. 32 (2) : 19-22 |
| 10 | P.C.Sharma; A.K.Gupta; T.K.Mohanty;A.K.Chakravarty; A.Singh and T.V. Raja | 2012 | Economic losses due to clinical mastitis in Karan Fries dairy cattle | Indian Journal of Veterinary Research (The): 21 (1):1-5 |
| 11 | SharmaP.C.,Rout,P.K.,Shukla,S.N | 2012 | Effect of Serum Lysozyme on E.coli infection in Barbari kids | Ruminant Science: 1(1) : 19-21 |
| 12 | Singh Yajuvendra, Surender S Lathwal, Nitendra Rajput, Thiruvothur V Raja, Ashok K Gupta, Tushar K Mohanty, Anand P Ruhil, Atish K Chakravarty, Prakash C Sharma, Vijay Sharma, | 2013 | Effective and accurate discrimination of individual dairy cattle through acoustic sensing | Applied Animal Behavior Science;146(1-4):11-18 |

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|----|--|------|---|--|
| | Gulab Chandra | | | |
| 13 | Sharma, P.C., Mitesh Gaur, Sunil Arora, Surendra Singh, Vishnu Kumar, K.S.Nehra and R.K.Nagda | 2015 | Influence of Non- Genetic factors on Growth Performance of Sonadi sheep in farmer's 12flock. | Ruminant Science: 4(2) : 185-187 |
| 14 | Sharma,P.C., Deepak Sharma, Govardhan, Saraswat., C.S., Sunil Kumar and Nagda, R.K | 2016 | Influence of Non genetic factors on Greasy FleeceYield of Sonadi sheep | Ruminant Science : 5 (1) : 71-72 |
| 15 | B.Balasundaram, P.C.Sharma , V.B.Dongre, P.Senthil Kumar V.Jayalalitha | 2016 | Interaction among the factors influencing incidence of repeat breeder cow syndrome in CB cows. | International Journal of Science, Environment and Technology 5(6):4477-80 |
| 16 | Sharma,P.C.,Barkha Gupta ,Monika Joshi ,TarunPreet, S.Pareek, N.S.RathoreandR.K.Nagda. | 2016 | Influence of Genetic and Non- Genetic factors on Growth Performance of Sonadi sheep. | Ruminant Science: 5(2) : 165-167 |
| 17 | Anshita Sharma, Samita Saini, Prakash Chandra Sharma, Sudarshan Mahala, Kiran Kumari Bhat and Piyush Awasthi | 2020 | Comparative evaluation of immune-responsiveness in indigenous and exotic breeds of chicken | Journal of Entomology and Zoology Studies, 8(6): 545-548 |
| 18 | Sharma, PC. (2022) | 2022 | Bhartiya Prakratik Padhati: The way forward for sustainable livestock production in Arid and Semi-Arid region. Compendium of National conference titled "Natural Farming for Sustainable Agriculture and National Prosperity" | jointly organized by Sardarkrushinagar Dantiwada Agricultural University, Akshay Krishi Parivar & Royal Association for Science-Led Socio-Cultural from 11-13 November, 2022 169-176 |
| 19 | Kumar, R., Sharma, P.C. , Saini, S. and Kumar, S. | 2023 | Genetic Evaluation of Gir Cattle for Success Rate to Conception using GLIMMIX Model. | Asian Journal of Dairy and Food Research. doi: 10.18805/ajdfr.DR-1982 |
| 20 | Meena SK, Sharma PC , Saini S, Gahan MK, Swami P, Gurjar D, Chandra V. | 2023 | Effect of Non-Genetic Factors on Seminal Traits of Indigenous and Crossbred Bulls under Semi-arid Climatic Conditions. | IJBMSM.14(3),298-305.HTTPS://DOI.ORG/10.23910/1.2023.3339. |
| 21 | Baindha,A., Rewani,S.K., Sharma,P.C. , Sharma, S. and Chand, S. | 2023 | Influence of personality traits on entrepreneurial intention of veterinary students in India. | Haryana Vet. 61(2): 229-232. |
| 22 | Dhakad G.S., Saini S, Mallick P.K., Jatav P.K., Gowane G.R. and Sharma P.C. | 2023 | Non-genetic factors affecting lifetime body weights in Malpura Ram lambs. | Indian Journal of Small Ruminants (The). 29(1) : 11-16 |
| 22 | KK Bhat, PC Sharma, M Gour, S Saini, A Shrama, SK Meena, DK Yadav | 2023 | ESTIMATION OF THE EFFECT OF NON-GENETIC FACTORS ON TEST DAY MILK YIELD IN SURTI BUFFALO. | Journal of Experimental Zoology India 26 (1) |
| 23 | GS Dhakad, S Saini, PK Mallick, PC Sharma, N Singh, SS Misra | 2023 | Effect of non-genetic factors on body weights in Malpura sheep | Indian Journal of Small Ruminants (The) 29 (2), 205-208 |
| 24 | S.K. Meena, P.C. Sharma, S. Saini, M.K. Gahan, P. Swami, K.K. Bhat, | 2023 | Effect of non-genetic factors on semen characteristics of sahiwal and holstein crossbred bulls in a subtropical environment MCAK | The Haryana Veterinarian 62 (Issue-1), 128-132 |
| 25 | CS Sarswat, S Sharma, K Nehra, PC Sharma, MC Parashar, ... | 2023 | Effect of exogenous melatonin administration on testicular biometry, libido parameters, seminal parameters, hormone levels, and freezability of Sirohi buck semen during the | Reproduction, Fertility and Development 33 (2), 124-124 |
| 26 | D Chharang, S Choudhary, V Kumar, S Sharma, PC Sharma, S Saini, ... | 2021 | Effect of dietary inclusion of live microbial cultures on faecal glucocorticoid metabolites in safari asian elephants | Indian Journal of Animal Research 55 (7), 818-822 |
| 27 | Meena S.K., Sharma P.C., Saini S.,Gahan, M.K. , Swami P., Gurjar.D. and Narayan ., V. | 2024 | Impact of Non Genetic factors on Semen Characteristics of indigenous Cattle Bull under Semi Arid Region of Rajasthan | Ruminant Science (2023): 12(1): 103-108 |

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|----------------------|--|------|---|---|
| 28 | Meena S.K., Sharma P.C., Saini S., Swami P., Jeph N.K., Singh N. and Meena M.K. | 2023 | Effect of non-genetic factors on semen characteristics of Murrah bulls under tropical condition | Indian J Dairy Science (2023) 76 (6) : 578-582. http://doi.org/10.33785/IJDS.2023.v76i06.009 |
| 29 | Goyal, M., Tripathi R. and Sharma P.C | 2024 | Seasonal variations in semen traits of exotic cattle bulls of different age groups in the sub tropical region . | IJPAS . 76(1) 1-6. HTTPS://DOI.10.55184/ijpas.v76i01.000 |
| Book: | | | | |
| 1 | Vaidya Krashan Murari and P.C.Sharma | 2024 | Bhartiya Paramparik Padhati: Jaiveek Pashupalan Vaidh | ISBN Number 978-93-340-7659-2 (2024) : |
| 2 | Prakash Sharma, S.S. Shekhawat, Bincy Joseph, SanweerKhatoon, Hakim ManzarAlam, Tikam Chand Goyal, SunilArora, N.S Rathore | 2016 | The Essentials of Biosecurity of Indian Dairy Farms | Hind Publications |
| Popular Article | | | | |
| 1 | P.C.Sharma | 2016 | Challenges in mixed dairy farming trends in Udaipur | “on the fringes” Bulletin vol. 5 Dec.2016 |
| 2 | P.C.Sharma | 2006 | Strategies for improvement of Indigenous Cattle | National Seminar on Innovation Strategies for Indigenous cattle breed development p.n. 143-145 |
| 3 | Archna Verma and Prakash Sharma | 2020 | Krishi Arthvayvstha par corona ka prabhav | Haldhar Times 4-10 May 2020 |
| 4 | Prakash Sharma and Peeyush Sharma | 2020 | Log ruke to phir pale bade Gaon | Haldhar Times 6-12 April 2020 |
| Manual | | | | |
| 1 | SamitaSaini; Prakash Sharma; PramodShende | 2017 | Practical Manual of AGB- Vol-I | Deptt. Of AGB, PGIVER (RAJUVAS) |
| 2 | Samita Saini and Prakash Sharma | 2020 | Manual: Animal Genetics Resources of Rajasthan | Deptt. Of AGB, PGIVER (RAJUVAS) |
| Seminar / Conference | | | | |
| 1 | P.C. Sharma, P.K.Rout, S.N. Shukla | 2005 | Genetic variation in serum Lysozyme activity in Barbari Goat | ISAGB-VIII National conference on Animal Genetics and Breeding : March 8-10 P.N. 247 |
| 2 | P.C. Sharma, Sunil Kumar and Mitesh Gaur | 2017 | Effect of season and sex of lamb on GFY of Sonadi Sheep | National Seminar on Improvement of Small Ruminant Production system for livelihood security. March 9-10. p.n. 53 |
| 3 | Sunil Kumar P.C. Sharma, Vishnu Kumar and Mitesh Gaur | 2017 | Effect of non genetic factors on daily weight gain of Sonadi Sheep in farmers flock | National Seminar on Improvement of Small Ruminant Production system for livelihood security. March 9-10. p.n. 54 |
| 4 | Barkha Gupta, P.C. Sharma, and P.K. Rout | 2017 | Effect of serum LZM activity in Barbari Goat and Muzzafarnagari Sheep | National Seminar on Improvement of Small Ruminant Production system for livelihood security. March 9-10. p.n. 128 |
| 5 | Sunil Kumar Pramod Shende, Samita Saini, P.C. Sharma | 2018 | Genetic evaluation of Surti buffalo for production traits. | National Symposium on sustainable Management of Livestock and Poultry diversity for enhancing the farmers 's income & XV Annual convention of Society for conservation of Domestic Animal Biodiversity, Feb. 8-10, 2018, p.n. 262 |
| 6 | Ruhi Meena Pramod Shende, | 2018 | Effect of non-genetic factors on growth performance traits of | National Symposium |

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|----|---|------|--|---|
| | Samita Saini, P.C. Sharma | | Sonadi Sheep. | on sustainable Management of Livestock and Poultry diversity for enhancing the farmers 's income & XV Annual convention of Society for conservation of Domestic Animal Biodiversity, Feb. 8-10, 2018p.n. 266 |
| 7 | Sunil Kumar Meena, Prakash Chandra Sharma and Samita Saini | 2021 | EVALUATION OF SEMEN PARAMETERS FOR NON-GENETIC FACTORS IN GIR CATTLE | XVIII Annual Convention and National Webinar on Harnessing Potential of Indigenous Animal Genetic Resources for Enhancement of Productivity and Profitability during February 11-12, 2021 at ICAR-National Bureau of Animal Genetic Resources, Karnal.pp 68 |
| 8 | Meena SK, Sharma PC, Swami P, Chayal, P. | 2022 | Effect of non-genetic factors on semen characteristics of sahiwal and holstein crossbred bulls in a subtropical environment. | Society for Conservation of Domestic Animal Biodiversity and XIX Annual Convention & National Symposium on Contemporary Technology for Animal Genetic Resource (AnGR) : ICAR-NBAGR, Karnal |
| 9 | Meena S.K., Sharma P.C., Meena Y.K., Meena2 M.K. and Swami P. | 2023 | Adoption of breeding and health management practice for Marwari goat in arid region of Rajasthan'' | National Seminar cum Annual Conference of Indian Society for Sheep & Goat Production and Utilization (ISSGPU) on "Prospects and Potential of Small Ruminants Production for Enhancing Income under Changing Scenarios" at ICAR-Central Sheep and Wool Research Institute, Avikanagar-304501 |
| 10 | Prakash Chandra Sharma, lead paper | 2020 | Role of Indian Agriculture in Self-reliant India through entrepreneurship in perspective of Rajasthan | Webinar Agrivision-20/06/2020 |