

CORRICULUM VITAE

Dr. S. C. Mehta, Principal Scientist, Animal Genetics & Breeding (ARS-1991)

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Professional Qualification & Experience

M.V.Sc. (AG&B): 1990 - Indian Veterinary Research Institute, Izatnagar (India)
Ph.D. (AG&B): 2000 – Rajasthan Agricultural University, Bikaner (India)
Post Graduate Diploma in Human Resource Management: 2008 - IGNOU (India)
Visiting Scientist: 2009 - Iowa State University, Ames, Iowa (USA)

Professional Experience: 31 Years

AWARDS & MAJOR ACCOMPLISHMENTS

- **FELLOW-SOCDAB:** Conferred fellowship of Society for Conservation of Domestic Animal Biodiversity (SOCDAB) in the XVII Annual Convention of SOCDAB and National Symposium on Enhancement of Farmer income through Management of Animal Genetic Resources held on February 10-11,2020 at College of Veterinary Sciences and Animal Husbandry, NDVSU Campus, Mhow (MP).
- **Vice-President** (2019-2022) of “Society for Conservation of Domestic Animal Biodiversity (SOCDAB)” National Bureau of Animal Genetic Resources, Karnal
- **Editorial Board Member:** Journal of camel Practice and Research, Camel Publishing House, Bikaner
- **Reviewer:** Small Ruminant Research, Biologia, Scientific Reports, Molecular Biology Reports, Journal of camel Practice and Research, Indian Journal of Experimental Biology, International Journal of Livestock Research, , Indian Journal of Animal Sciences; Journal of Agricultural Science and Technology; Journal of Animal Science and Biotechnology, Indian Journal of Biotechnology; Indian Journal of Small Ruminants. Indian Journal of Animal Research.
- **Official Language Shield:** President Official Language of the ICAR-NRCE, EPC, Bikaner. The Campus has been awarded Official Language Shield (small offices) for the year 2018-19 by Official Language Executive Committee of Bikaner, Rajasthan.
- **Invited Expert:** Sixth Research Council of Rajasthan University of Veterinary and Animal Science, Bikaner on February 14, 2020.
- **Invited Expert:** Seventh Research Council of Rajasthan University of Veterinary and Animal Science, Bikaner on March 22, 2021.
- **Research Advisory Board Member (2016-22).** ICMR Project -Multidisciplinary Research Unit at Sardar Patel Medical College, Bikaner
- **Certificate of Excellence in Reviewing 2021** by Journal of Pharmaceutical Research International.
- **Active Camel Research Scientist Award 2020** by Journal of Camel Practice and Research,

Camel Publishing House, Bikaner

- Associate-Editor, International Journal of Genomics and Proteomics, Bio-info publications.
- Editorial Board Member: Camel: An International Journal of Veterinary Sciences, New Delhi Publisher.
- **National Record** in **Limca Book of Records** 2017 for the efforts done in the “Talks of Camel : A Mission for Conservation of Camel”.
- **Honoured by The Mayor, Nagar Nigam, Bikaner**, Republic Day, 2017 for outstanding contribution in the field of Veterinary Science.
- Honoured by **Rajasthan State Government Minister Sh. Govardhan Ji Raika** for outstanding scientific contribution for conservation of camel on 30.12.2016.
- Draft document of state policy on development of camels in Rajasthan for submission to the Chief Minister. February 3, 2014.
- Institute Management Committee Member, ICAR-Central Sheep and Wool Research Institute, Avikanagar. (2012-2014)
- Institute Management Committee Member, ICAR-National Research Centre on Equine, Hisar. (2012-2014)
- Organising Secretary, Scientists-stakeholder’s Interface Workshop held at National Research Centre on Camel, Bikaner during January 28-31, 2012.
- Organising Secretary: Brain Storming Meet on 24th March, 2007 to identify the major researchable issues for the XIth Five Year Plan.
- Requested to chair one session in the International Scientific Conference on Camels organized by Gassim University, Buraidah, Gassim, Saudi Arabia, 9th to 11th May, 2006.
- Acting as an **Expert** in a developmental **Project** on Bikaneri chokla sheep run by the district collector through District Rural Development Agency, Bikaner.
- Selected as **moderator in the International conference** held at South Carolina, USA.
- Identified and acted as **nodal officer** of Rajasthan for the preparation of “Country Report on Animal Genetic Resources” initiated by the FAO.
- Best Poster Presentation Award. National Symposium on Livestock Biodiversity vis-à-vis Resource Exploitation: An Introspection. Organised by Society for Conservation of Domestic Animal Biodiversity and National Bureau of Animal Genetic Resources, Karnal at Karnal from 11th to 12th Feb., 2004.
- **Senior Research Fellowship** : Indian Veterinary Research Institute, Izatnagar, 1990
- **Junior Research Fellowship** : Indian Council of Agricultural Research, New Delhi, 1988
- **Need-cum-Merit Scholarship** : Indian Council of Agricultural Research, New Delhi, 1983

PUBLICATIONS

1. Mehta S C , Talluri T R, Legha R A, Pal Y and Tripathi B N (2021). Phenotypic trend, breeding value and heritability of biometric traits in Marwari horses. *Indian Journal of Animal Sciences*. 91 (6) : 476-80.
2. Mehta S C and Dahiya S S (2021). Analysis of hair quality attributes of Mewari and Jalori camels managed under natural habitat. *Journal of Camel Practice and Research*. 28 (3) : 361-366.

3. Sharma S K, Yadav R, Mehta S C and Kataria A K (2020). Detection and analysis of antibiotic resistance variability among Staphylococcus aureus isolates from animal and human sources. *Veterinarski Arhiv*. 90 (5) : 493-508.
4. Jadhav S A, Umrikar U D, Sawane M P, Pawar V D, Deshmukh R S, Dahiya S S and Mehta S C. Genetic polymorphism at k-casein gene in Indian camel breeds (*Camelus dromedarius*). *Journal of Camel Practice and Research*. 27 (2) : 201-206.
5. Hashim W M, Mehta S C, Galal M, Yousif A M, Salah E S A (2020). Genotype of some Sudanese camel (types and subtypes) using microsatellite. *Assiut Veterinary Medical Journal*. 65 (163) : 42-48.
6. Mehta S C, Dahiya S S, Jadhav S A, Umrikar U D, Sawane M P, Pawar V D and Deshmukh R S. Determination of genetic variability at as1 -casein gene in Indian dromedary. *Indian Journal of Animal Sciences*. 90 (12) : 1617-21.
7. Yash Pal, Anuradha Bhardwaj, RA Legha, TR Talluri, SC Mehta and BN Tripathi (2020). Characterization of Kachchhi-Sindhi Horses of India. *Indian Journal of Animal Research*. 2020/11. DOI: 10.18805/ijar.B-4221.
8. Talluri, T R, Bhardwaj A, Mehta S C and Pal, Y (2020). Evaluation of mitochondrial membrane potential in equine spermatozoa using JC-1. *Indian Journal of Animal Science*. 90 (12) : 1599-1601.
9. Govindasamy N, Swami S K, Mehta S C, Singh R, Meignanalakshmi S, Selvaraju S, Pourouchottamane R, Thirumaran S M K and Patil N V. Camel : A Medicinally Important Animal. *Acta Scientific Veterinary Sciences*. 1(4) : 12-22.
10. Jadhav S A, Umrikar U D, Sawane M P, Pawar V D, Deshmukh R S, Dahiya S S and **Mehta S C**. Analysis of beta casein gene polymorphism in Indian camel breeds. *Journal of Camel Practice and Research*. 26 (3), 1-5.
11. R Sharma, H Sharma, P Sharma, S Ahlawat, **SC Mehta**, MS Tantia. Microsatellite analysis generates hope for sustainability of two dwindling camel populations of Rajasthan. *Indian Journal of Animal Sciences*. 88 (11), 1281-1288.
12. **Mehta S C**, Dahiya S S, Jadhav S A, Umrikar U D, Sawane M P, Pawar V D and Deshmukh R S. Analysis of genetic variability at a_{s1} -casein gene in Indian dromedary. *Indian Journal of Animal Sciences*. (Accepted).
13. Choudhary S, Rathore P, Boyal P K, Meena D, Yadav R, Mehta S C and Katariya A K. Bone DNA extraction collected from different sources/conditions. *Veterinary Practitioner*. 18 (2): 163-164.
14. Choudhary S, Rathore P, Meena D, Boyal P K, Mehta S C and Kataria AK (2018). PCR based identification of processed cattle and horse meat. *Veterinary Practitioner*. 19 (1) : 7-8.
15. Sharma S K, Meena D, Nathawat P, Yadav R, Mehta S C and Kataria A K (2018). Detection of coagulase production variability among staphylococcus aureus isolates of human and animal origins. *Veterinary Practitioner*. 19 (1) : 1-3.
16. Kumar P, Kumar R, Mehta J S, Kumar A, Ravi S K, Mehta S C, Ansari M M, Legha, R A, Tripathi B N, Talluri T R (2019). Ameliorative effect of ascorbic acid and glutathione in

- combating the cryoinjuries during cryopreservation of exotic Jack semen. **Journal of Equine Veterinary Science**. 81:102796. 81:102796.
17. Talluri T R, Ravi S K, Singh C, Legha R A, Mehta S C, Prakash V and Tripathi B N (2019). Effect of two different permeable cryoprotectants on freezability of exotic stallion and jack semen. **Indian Journal of Animal Reproduction**. 40 (1) : 27-30.
 18. Jadhav S A, Umrikar U D, Sawane M P, Pawar V D, Deshmukh R S, Dahiya S S and Mehta S C. (2019). Analysis of beta casein gene polymorphism in Indian camel breeds. . **Journal of Camel Practice and Research**. 26 (3) : 1-5.
 19. Vyas P, Mehta S C, Pannu U and Joshi P (2018). Genetic and phenotypic trends of different body parameters in Indian dromedary breeds. *Journal of Entomology and Zoology Studies*. 6 (3), 87-91
 20. Sivakumar G, Swami S K, Nagarajan G, **Mehta S C**, Tuteja F C, Ashraf M, Patil N V (2018). Molecular characterization of Hyalomma dromedarii from North Western Region of India based on the gene sequences encoding Calreticulin and Internally Transcribed Spacer Region 2. **Gene Reports**. 10(2018) : 141-148.
 21. Nagarajan G, Swami SK, Tuteja FC, Sharma G, **Mehta S C**, Saini N and Patil N V (2018). Cloning and Sequence Analysis of 163R and 201R Genes of Camelpoxvirus from Indian Dromedaries (*Camelus Dromedarius*). **Virology & Immunology Journal**. 2(1) : 1-9.
 22. Dahiya S.S., Kumar S., **Mehta S.C.**, Narnaware S.D., Singh R., Nath, K., Narnaware, S. D., Tuteja F.C. (2017). Molecular characterization of Camel pox virus isolates from Bikaner, India: Evidence of its endemicity. **Acta Tropica**. 171 : 1-5.
 23. Tyagi K, Gautam L, Waiz H A, **Mehta S C** and Beniwal B K. (2017). Genetic characterisation of Bikaneri camel using microsatellite markers. **Journal of Camel Practice and Research**. 24 (3) : 221-224.
 24. Dahiya S.S., Kumar S., Mehta S.C., Narnaware S.D., Singh R. and Tuteja F.C. (2016). Camel pox: A brief review on its epidemiology, current status and challenges. *Acta Tropica*. 20 (158) 32-38.
 25. Sharma, S.K., **Mehta, S.C.** and Kataria, A.K. (2016). Capsular typing of *Staphylococcus aureus* isolates from camel and other domestic animals using duplex polymerase chain reaction. *Journal of Camel Practice and Research*. 23 (1) : 81-84.
 26. Sharma S K, Meena D S, Nathawat P, Yadav R, **Mehta, S.C.** and Kataria, A.K. (2017). Detection of coagulase production variability among *Staphylococcus aureus* isolates of human and animal origins. *Veterinary Practitioner*. Accepted for Vol. 18 (1).
 27. Mehta, S. C., Sharma, A. K., Bissa, U. K. and Singh, S. (2015). Lactation persistency, yield and prediction models in Indian dromedary. *The Indian Journal of Animal Sciences*. 85 (8) : 875-82.
 28. Mehta, S.C. (2014). Genetic and demographic bottleneck analysis of Indian camel breeds by microsatellite markers. *Tropical Animal Health and Production*. 46 (8), 1397-1406.
 29. Nagarajan, G., Swami, S.K., Dahiya, S.S., Narnaware, S.D., Mehta, S.C., Singh, P.K., Singh, R., Tuteja, F.C. and Patil, N.V. (2015). Characterization of GM-CSF-inhibitory factor and Uracil DNA glycosylase encoding genes from camel pseudocowpoxvirus. *Research in Veterinary Science*. 03/2015; DOI:10.1016/j.rvsc.

30. Mehta, S.C., Yadav, S. B. S., Singh, S. and Bissa, U.K. (2014). Sire evaluation and selection of Indian dromedary for milk production: issues and strategies. *Journal of Camel Practice and Research*. 21 (1), 93-98.
31. Changal, H.K., Nagarajan, G., Purohit, R.K., Swami, S. K., Mehta, S. C. and Pathak, K.M.L. (2014). Molecular Characterization of *Hyalomma dromedarii* from Bikaner, India. *Banat's Journal of Biotechnology*. 5 (10) : 52-58.
32. Singh, S., Poonia, R.K., Singh, R., Mehta, S.C. and Patil, N.V. (2014). Analysis of milk constituents of sheep, goat, camel and buffalo. *Indian Journal of Small Ruminants*. 21 (1) : 122-123.
33. Dahiya, S. S., Nagarajan, G., Bharti, V. K., Swami, S. K., Mehta, S. C., Tuteja, F.C., Narnaware, S. D. and Patil, N. V. (2014). Sequence analysis of the Toll-like receptor-2 gene of old world camels. *Journal of Advanced Research* (Elsevier). 5 (6) : 695-704.
34. Hashim, W.M., Ahmed, S.E.S., Makkaw, A.A., Yousif, G.M. and Mehta, S.C. (2014). Twenty five polymorphic microsatellite loci used to genotype some camel types & subtypes from Sudan, Qatar, Chad and Somalia. *Journal of Camel Practice and Research*. 21 (2) : 127-35.
35. Nagarajan, G., Swami,S.K., Dahiya,S.S., Sivakumar,G.,Tuteja, F.C., Narnaware, S.D., Mehta, S.C., Singh, R. and Patil, N.V. (2014). Comparative sequence analysis of double stranded RNA binding protein encoding gene of parapoxviruses from Indian camels. *Journal of Advanced Research* (Elsevier). 5: 271-276.
36. Saini, N., Mehta, S. C., Patil, N. V., Bohra, D. L. and Kiradoo, B.D. (2013). Prediction equation for estimating live-weight of dromedary camel calves. *Journal of Camel Research and Practice*. 20 (1) 7-9.
37. Mehta. S. C. (2013). Molecular characterisation of Mewari breed of camel. *Veterinary Practitioner*. 14 (2) : 212-215.
38. Singh, S., Poonia, R.K., Singh, R, Mehta, S.C. and Patil, N.V. (2013) A Comparative Study on the Physicochemical Parameters of Camel and Buffalo Milk. *Journal of Buffalo Science* 2 (3), 135-137.
39. Sharma, G., Swami,S.K., Srivastava, M., Dahiya, S.S., Mehta, S.C., Narnaware, S.D., Patil, N.V., and Nagarajan, G. (2013). Amplification and Cloning of CD18 of the Camel (*Camelus dromedarius*). *Journal of Immunology and Immunopathology*. 15 (1) : 96.
40. Nagarajan, G., Swami,S.K., Dahiya, S.S., Mehta, S.C., Narnaware, S.D., Kashinath, Tuteja, F.C., Singh, R. and Patil, N.V. (2013). Cloning and Sequence Analysis of Interleukin-8 Encoding Gene from Dromedary Camel (*Camelus dromedarius*). *Journal of Immunology and Immunopathology*. 15 (1) : 96.
41. Mehta S C, Bissa U K, Chirania B L and Patil N V. (2013). Differential breed, sex and age-group mortality in *Camelus dromedarius*. *Journal of Immunology and Immunopathology*. 15 (1) : 143.
42. Mehta S C, Bissa U K, Chirania B L and Patil N V. (2012). Mortality analysis and herd growth in Indian dromedary breeds. *Journal of Camel Practice and Research*. 19 (1) : 37-44.
43. Mehta S C, Bissa U K, Patil N V and Pathak K M L. (2011). Importance of camel milk and production potential of dromedary breeds. *The Indian Journal of Animal Sciences*. 81 (11): 1173-1177.
44. Mehta, S.C., Bapna, D.L. and Bhure, S.K. (2010). Mathematical functions for the prediction of growth in Indian dromedary genotypes. *The Indian Journal of Animal Science*. 80 (2) : 148-151.
45. Sahani, M.S., Bapna, D.L. and Mehta, S.C. (2010). Impact of selection on growth of Marwari lambs. *The Indian Journal of Animal Sciences*. 80 (2) : 69-71.

46. Mehta, S.C., Potdar, V.V. and Sahani, M.S. (2009). Amplification and RFLP of Exon 2 of MHC-DRB3 locus in livestock species. *Indian Veterinary Journal*. 86 (3) : 250-254.
47. Mehta, S.C., Potdar, V.V. and Sahani, M.S. (2009). RFLP analysis of κ -casein gene in livestock species. *Indian Veterinary Journal*. 86 (6) 594-596.
48. Mehta, S.C., Pathak, K.M.L., Bhardwaj, B., Arora, S. and Bhatnagar, C.S. (2009). Camel Dairying : An Indian Perspective. *The Indian Journal of Animal Sciences*. 79(4) 454-456.
49. Mehta, S.C. and Sahani, M.S. (2009). Reproductive performance of Indian camel breeds. *The Indian Journal of Animal Sciences*. 79 (2) 210-11.
50. Mehta, S.C., Bapna, D.L. and Bhure, S.K. (2010). Mathematical functions for the prediction of growth in Indian dromedary genotypes. *The Indian Journal of Animal Science*. 80 (2) : 148-151.
51. Aggarwal, R.A.K., Tantia, M.S., Kumar, Y and Mehta, S.C. (2009). Biometry of frozen-thawed sperm from Indian Jaisalmeri Camel. *Journal of Camel Research and Practice*. 16 (2) : 149-151.
52. Mehta, S.C. (2008). Mathematical functions for the prediction of body weight gain in dromedary. *Journal of Camel Research and Practice*. 15 (2) : 239-244.
53. Bhure, S.K., Mehta, S.C. and Singh, R. (2008). Comparative genomic organization of camel beta casein gene promoter: a computer aided gene regulation study. *Journal of Camel Research and Practice* 15 (1) :25-33.
54. Sodhi, M., Mukesh, M, Ahlawat, S.P.S., Sobti,R.C., Gahlot, G.C., Mehta, S.C., Prakash, B. and Mishra, B.P. (2008). Genetic diversity and structure of two prominent zebu cattle breeds adapted to the arid region of India inferred from microsatellite polymorphism. *Biochemical Genetics*. DOI 10.1007/s10528-007-9135-5.
55. Mehta, S.C., Goyal, A. and Sahani, M.S. (2007). Microsatellite markers for genetic characterization of Kachchhi camel. *Indian Journal of Biotechnology*. 6 : 336-339.
56. Mehta, S.C. and Sahani, M.S. (2007). Microsatellite markers for genetic characterisation of Bikaneri camel. *The Indian Journal of Animal Sciences*. 77(6) : 509-512.
57. Sahani, M.S., Bapna, D.L. and Mehta, S.C. (2007). Growth of Karakul and its crosses with indigenous sheep breeds. *The Indian Journal of Animal Sciences*. 77 (4) : 346-348.
58. Mehta, S.C., Bhardwaj, B. and Sahani, M.S. (2007). Status and conservation of Mewari and Jaisalmeri camels in India. *Animal Genetic Resources Information*, FAO. 40: 87-101.
59. Mehta, S.C. and Sahani, M.S. (2007). Microsatellite analysis in Jaisalmeri camel (*Camelus dromedarius*). *The Indian Journal of Animal Genetics and Breeding*. 27(1,2) : 22-26.
60. Mehta, S.C., Mishra, B.P. and Sahani, M.S. (2006). Genetic differentiation of Indian camel (*Camelus Dromedarius*) breeds using random oligonucleotide primers. *Animal Genetic Resources Information*, FAO. 39:77-88.
61. Jain, R., Mehta, S.C. and Bhojak, N. (2006). Micellar spectral investigations of Nd(III) complex with semicarbazones. *Acta Ciencia Indica*. Vol.XXXII No.2 : 65.
62. Sahani, M.S., Bapna, D.L. and Mehta, S.C. (2005). Effect of ewes' weight at lambing on growth of Marwari lambs. *The Indian Journal of Animal Sciences*. 75 (11) : 1321-1322.
63. Mehta, S.C., Chopra, S.K., Singh, V.K. and Mahrotra, V. (2004). Production and quality of wool in Magra breed of sheep. *The Indian Journal of Animal Science*. 74 (7) : 792-794.

64. Sahani, M.S., Bapna, D.L. and Mehta, S.C. (2004). Greasy fleece weight of Karakul and its crosses with indigenous sheep breeds. *The Indian Journal of Animal Sciences*.74 (4) : 452-453.
65. Gautam, L., Mehta, S.C., Gahlot, R.S. and Gautam, K. (2004). Genetic characterisation of Jaisalmeri camel using microsatellite markers. *Indian Journal of Biotechnology*.4: 457-459.
66. Tuteja, F.C., Sharma, Anshu, Kapur, M.P., Mehta,S.C. and Lal, D. (2004). Relationship of serum zinc and copper status with somatic cell count in buffalo milk. *The Indian Journal of Animal Science*. 74 (1) : 54-55.
67. Bhakat,C., Mehta,S.C. and Sahani,M.S. (2003). Annual hair yield attribute in indigenous camel breeds. *The Indian Journal of Animal Sciences*. 73 (10) : 1189-1191.
68. Mehta, S.C., Mishra, B.P. and Sahani, M.S. (2003). Genetic differentiation of Indian camel breeds using random oligonucleotide primers. *ICAR News*. 8 (4) : 15-16.
69. Mehta, S.C., Chirania, B.L., Bithu, H.K. and Sahani, M.S. (2003). Analysis of causes of death in camel. *The Indian Journal of Animal Sciences*. 73 (8): 873-874.
70. Mehta, S.C., Singh, V.K. and Mahrotra, V. (2003). Growth and reproductive performance of Magra breed of sheep. *The Indian Journal of Animal Science*. 73 (10): 1147-1149.
71. Bhakat,C., Mehta,S.C. and Sahani,M.S. (2002). Studies on hair production attribute in Indian dromedary camel managed in an organised farm. *The Indian Journal of Animal Sciences*. 72(3): 275-276.
72. Mehta, S.C., Mishra, B.P. and Sahani, M.S. (2002). Nature/organization of repetitive DNA in Indian camels as compared with other animal species. *Advances in Reproduction*. 6 (1/2) : 2.
73. Singh, V.K. and Mehta, S.C. (2002). A model for marketing and grading of raw wool. *The Indian Textile Journal*. 112 (5): 27-30.
74. Mehta,S.C., Bithu,H.K. and M.S.Sahani. (2002). Camel: An over view. *JIVA*. 7(2): 46-47.
75. Mehta, S.C., Bithu, H.K., Poonia, S.R. and Sahani, M.S. (2002). Disease profile of the Jaisalmeri camel in the breeding tract. *Veterinary Practitioner*. 3(2) 116-119.
76. Sahani, M.S., Bapna, D.L. and Mehta, S.C. (2002). Factors influencing pre and post weaning body weights in three groups of Marwari sheep. *The Indian Journal of Animal Sciences*.72 (8) 704-705.
77. Dixit, S.K., Singh, A.P., Tuteja, F.C. and Mehta, S.C.(2002). Alternative therapeutic system in veterinary medicine indigenous system – scope and controversies. *Veterinary Practitioner*, 3(1): 35-38.
78. Mehta, S.C., Mishra, B.P. and Sahni, M.S. (2002). Nature/organization of repetitive DNA in Indian dromedary as compared with other animal species. *Advances in Reproduction*. 6(1/2) :2-2.
79. Mehta, S.C., Mishra, B.P. and Sahni, M.S. (2002). Reproductive performance of Indian camel breeds. *Advances in Reproduction*. 6(1/2) :28-28.
80. Mehta, S.C. and Sahani, M.S. (2001). Six- Databases Developed. *ARIS News*.3 (4) : 3.
81. Sharma,M.K.; Singh, V.K.; Beniwal,B.K.; Mehta,S.C. and Gahlot,R.S. (2000). Evaluation of lustre and physical attributes of wool in Marwari and Nali sheep breeds. *The Indian Journal of Animal Science*. 70 (4) 423-25.
82. Mehta,S.C.; Vij, P.K. ; Joshi, B.K. and Nivsarkar,A.E. (2000). Conservation of Malpura and Sonadi sheep of India. *International Journal of Animal Science*. 15 (1):83-87.
83. Mehta,S.C., Naithani, S. and Pani, P.K. (1999). Expression of Microtumours in Chorioallantoic Membrane of Fowl. *International Journal of Animal Science*.14 (2): 163-166.

84. Pushpendra Kumar, Mehta, S.C., Ahlawat, S.P.S., Bhattacharya, T.K. and Nivsarkar, A.E. (1999). Erythrocytic dimensions of Sonadi and Malpura sheep. *Indian J. Anim. Prod. Mgmt.* 15(1) 29-30.
85. Singh,V.K., Dass G., Mehta,S.C. and Sharma,P.R. (1998). A note on physical & lustre properties of wool in selected population of Marwari. *Indian J. Small Ruminants.* 4(1) : 40- 43.
86. Singh,V.K., Dass G., Mehta,S.C. and Sharma,P.R. (1998). Selection in Marwari sheep: Performance of selection line. *Indian J. Small Ruminants.* 4 (1) : 1-4.
87. Dass G., Mehta,S.C., Parthasarthy, S. , Sharma, P.R. and Singh,V.K.(1998). Comparative performance of Marwari and Nali lambs in respect of greasy fleece weight and quality. *Indian J. Animal Res.* 32 (2) : 87-90.
88. Mehta,S.C., Singh, V.K.; Parthasarthi, S. and Chopra, S.K. (1998). Subjective and objective lustre evaluation in Magra breed of sheep. *The Indian J. Animal Sciences.* 68 (1): 91-92.
89. Mehta,S.C., Vij,P.K., Joshi,B.K. and Nivsarkar, A.E. (1997). Conservation of Malpura sheep of India. *The Indian Journal of Animal Sciences.* 67 (4): 332-334.
90. Mehta,S.C. and Nivsarkar,A.E. (1997). Characterisation & conservation of Sonadi & Malpura breeds of sheep: Wool quality attributes. *Indian J.Small Ruminants.* 3(2) :66 -71.
91. Singh, V.K.; Mehta,S.C.; Mudgal, R.D. and Patni, P.C. (1997). Better sheep : Improved wool . *The Indian Textile Journal.* CVII (12) : 46-49.
92. Parthasarthy,S; Singh, V.K .and Mehta,S.C. (1997). Physical & lustre properties of Nali wool. *Indian J.Small Ruminants.* 3 (2) :99 -103.
93. Mehta,S.C. and Nivsarkar,A.E. (1997). Agriculture & Animal husbandry: competitive scenario in the breeding tract of Sonadi & Malpura sheep of India. *Wool & Woollens of India.* 34 (4) :33-35.
94. Mehta,S.C. and Pani, P.K. (1997). Interrelationship between tumour virus receptors, A&C, coded by host cell genes in fowl. *Indian J. Experimental Biology.* 35 (1) :34-36.
95. Mehta,S.C.; Naithani, S. and Pani, P.K. (1996). Expression of tumour phenotypes, hatchability and LT(+) death in two routes of inoculation. *Indian J. Experimental Biology.* 34 (6) : 539 -542.
96. Mehta,S.C.; Singh, V.K. and Sharma, M.M.(1996). Genetic studies on *Peste des Petits* (PPR) Ruminants in sheep. *Indian J.Small Ruminants.* 2 (2) :1 -6.
97. Mehta,S.C.; Vij,P.K.; Joshi,B.K.; Sahai,R. and Nivsarkar, A.E.(1995). Characterisation and conservation of the Malpura sheep breed. *Animal Genetic Resources Information (FAO).* No. 16 : 83-91.
98. Mehta,S.C.; Vij,P.K.; Joshi,B.K.; Sahai,R. and Nivsarkar,A.E. (1995). Conservation of the Sonadi breed of sheep in India. *Animal Genetic Resources Information. (FAO).* No. 16 : 93-100.
99. Mehta,S.C.; Vij,P.K.; Nivsarkar,A.E. and Sahai,R. (1995). Sheep husbandry practices in Sonadi and Malpura breeding tract. *The Indian J. Small Ruminants.* 1(1):1-7.
100. Mehta,S.C., Vij,P.K., Joshi,B.K. and Nivsarkar, A.E. (1995). Characterisation and conservation of Sonadi sheep. *The Indian Journal of Animal Sciences.* 65 (7) :83-87.

INVITED / LEAD PAPERS

1. Mehta S C (2020). Breeding strategies for conservation of indigenous breeds of equines. Lead paper presented in International Webinar on “Present and future trends in

- conservation and breeding technologies to enhance production in indigenous animals” held on 15/12/2020 organized by the Department of AGB, VCRI, Tirunelveli (Tamil Nadu).
2. Mehta S C and Tripathi B N (2020). Integration of molecular and traditional breeding tools for enhancing equine productivity. Lead Paper presented in National conference on “Paradigm shift in livestock management to obtain high quality animal products for enhancing farm economy and entrepreneurship”. Organised by Rajasthan University of Veterinary and Animal Sciences, Bikaner and Indian Society of Animal Production and Physiology. At Post-graduate Institute of Veterinary Education and Research (RAJUVAS), Jaipur during February 4-6, 2020. pp27-34.
 3. Mehta S C and Tripathi B N (2020). Network Approach for Genetic Improvement of Equine Genetic Resources of India. Lead Paper presented in National Symposium on Enhancement of farmer’s income through management of animal genetic resources. Organised by the Society for Conservation of Domestic Animal Biodiversity and College of Veterinary Science and Animal Husbandry (NDVSU), Mhow, M.P. on February 10-11, 2020. pp122-133.
 4. **Mehta S C** (2019). Utilization of indigenous animal genetic resources for rural socio-economic security. Lead Paper presented in National Symposium on Animal Genetic Resources for Food and Social Security. Organised by the Society for Conservation of Domestic Animal Biodiversity and National Bureau of Animal Genetic Resources, Karnal at Karnal, Haryana on February 7-8, 2019. pp94-98.
 5. **Mehta S C** (2018). Strategies for Enhancing Farmer’s Income through Livestock and Poultry Diversity. Theme Paper of Round Table Conference. In: National Symposium on Sustainable Management of Livestock and Poultry Diversity for enhancing the Farmers’ Income. Organised by the College of Veterinary and Animal Sciences, RAJUVAS, Bikaner and Society for Conservation of Domestic Animal Biodiversity, Karnal at Bikaner, Rajasthan. February 8-10, 2018.
 6. Mehta, S.C. and Dahiya, S.S. (2017). Current trends and sustainable utilization of camel. Lead Paper In : National Symposium on Biodynamic Animal Farming for the Management of Livestock Diversity under Changing Global Scenario. Organised by SOCDAB and College of Veterinary and Animal Science, Mannuthy, Kerala, India; February 8-10, 2017.
 7. Mehta, S.C., Dahiya, S.S. and Nagarajan, G. (2015). Genome analysis for improving livestock health and production. National Seminar on Translational Research in Biotechnology for Improving Animal Health and Production and 3rd Annual Meeting of Society for Veterinary Science and Biotechnology. Organised by College of Veterinary and Animal Science, RAJUVAS, Bikaner on October 7-8, 2015.
 8. Mehta, S.C. and Dahiya, S.S. (2015). Status of camel genetic resources of India, conservation and breeding policy for their improvement. Lead Paper In : International Symposium on Sustainable management of animal genetic resources for livelihood security in developing countries, Tamilnadu Veterinary and Animal Sciences University, Chennai, India; 02/2015.
 9. S C Mehta (2013). Camelids across the world. Lead Paper presented in the X National Symposium on “Integrated development of vast biodiversity of indigenous livestock for long term rural livelihood security. Organised by G.B.Pant University of Agriculture and Technology, Pantnagar, Uttarakhand and Society for conservation of domestic animal biodiversity, Karnal at Pant nagar on February 7-8, 2013.

10. Mehta S C, Bissa U K, Patil N V and Pathak K M L. (2011). *Camel Milk : A Possible Tool to Sustain Dromedary in situ*. In the Proceedings of VIII Annual Convention of Society for Conservation of Domestic Animal Biodiversity (SOCDAB) and National Symposium on "Animal Genetic Resources for Sustainable Livestock Sector in India" organised by Orissa Livestock Resources Development Society and Society for conservation of Domestic Animal Biodiversity at Bhubaneswar February 18-19, 2011. p 76-80.
11. S. C. Mehta, S. K. Bhure and K. M. L. Pathak. (2007). Genotypic evaluation of camel breeds of India. In: International camel conference. Organised by College of Veterinary and Animal Science, Rajasthan Agricultural University, Bikaner from February 16th to 17th, 2007. pp 17.
12. S. C. Mehta. (2007). Camel development scenario in India. In: ASCAD symposium on "Strengthening of disease diagnostic facilities for sustainable livestock and poultry development. Organised by the Department of Animal Husbandry, Government of Rajasthan at Udaipur from March 11th to 12th, 2007. pp 56-61.
13. S.C.Mehta, S.K.Bhure and K.M.L.Pathak. (2007). Cloning and characterization of camel milk protein genes. In: National conference on emerging trends in microbiology and biotechnology. Organised by DR.Tanveer Malawat College of Biosciences, Bikaner from January 29th to 30th, 2007. pp 117.
14. Mehta, S.C. and Sahani, M.S. (2005). Conservation and Breeding Strategies for Pack Animals: Camel Genetic Resources. Lead paper presented in National Seminar on "Recent Advances in Conservation of Biodiversity and Augmentation of Reproduction and Production in Farm Animals". Organised by College of Veterinary and Animal Husbandry, Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar-385506 from March 5th to 7th, 2005.
15. Sahani, M.S. and Mehta, S.C. (2004). Camel Genetic Diversity and its Significance in Indian Economy. National Symposium on Livestock Biodiversity vis-à-vis Resource Exploitation : An Introspection Organised by Society for Conservation of Domestic Animal Biodiversity and National Bureau of Animal Genetic Resources, Karnal at Karnal from 11th to 12th Feb,2004.
16. Sahani, M.S. and Mehta, S.C. (2005). Genetic Improvement Programmes for Camel in India: Performance Evaluation and Breeding Policy. Invited paper in VIII National Conference on Animal Genetics and Breeding. Organised by the Indian Society of Animal Genetics and Breeding and Central Institute for Research on Goats, Makhdoom, Farah – 281122, Mathura (UP) from March 8th to 10th.
17. Research achievements of National Research Centre on Camel, Bikaner. Interactive Meet. Organised by the Department of Science and Technology. Government of Rajasthan at Jaipur on 17th July, 2003.

CONTRIBUTORY

1. Anuradha Bhardwaj, Jay Kumar, Varij Nayan, Yash Pal, SC Mehta and B N Tripathi (2019). Assessment of genetic variants and SNP mining in indigenous horse breeds through advanced bioinformatics approaches. In : International conference on physical and biological sciences at cross-roads: interdisciplinary exploitations and exciting challenges. Organised by Guru Jambheshwar University of Science & Technology, Hisar and International Academy of Physical Sciences during December 29-31, 2019. Page No. 352.

2. Kumar S, Pannu U, Mehta S C, Choudhary N, Kumar A and Ashraf M. (2021). Genetic characterisation of IL-6 gene fragment in equines. In: XVIII Annual Convention and national Webinar : Harnessing Potential of Indigenous Animal Genetic Resources for Enhancement of Productivity and Profitability. Organised by Society for Conservation of Domestic Animal Biodiversity, Karnal during February 11-12, 2021. Page 133.
3. Kumar S, Pannu U, Mehta S C, Prakash, Choudhary N and Ram L. (2021). Genetic characterisation of Interleukin-8 gene fragment in equines. In: XVIII Annual Convention and national Webinar : Harnessing Potential of Indigenous Animal Genetic Resources for Enhancement of Productivity and Profitability. Organised by Society for Conservation of Domestic Animal Biodiversity, Karnal during February 11-12, 2021. Page 133-34.
4. Kumar S, Pannu U, Mehta S C, Prakash, Ram, D, Choudhary N and Ashraf M. (2021). Genetic analysis of different segments of IL-6 gene in equines. In: XVIII Annual Convention and national Webinar: Harnessing Potential of Indigenous Animal Genetic Resources for Enhancement of Productivity and Profitability. Organised by Society for Conservation of Domestic Animal Biodiversity, Karnal during February 11-12, 2021. Page 134.
5. Prakash V, **Mehta S C**, Ranjan R, Jyotsana B and Sawal R K (2019). Comparative evaluation of milk yield potential of camel breeds under different milk recording system. Paper presented in National Symposium on Animal Genetic Resources for Food and Social Security. Organised by the Society for Conservation of Domestic Animal Biodiversity and National Bureau of Animal Genetic Resources, Karnal at Karnal, Haryana on February 7-8, 2019.pp114.
6. Bhardwaj A, Yash Pal, **Mehta S C** and Tripathi B N (2019). Studies on major morphometric parameters of Kachchhi-Sindhi horses. Paper presented in National Symposium on Animal Genetic Resources for Food and Social Security. Organised by the Society for Conservation of Domestic Animal Biodiversity and National Bureau of Animal Genetic Resources, Karnal at Karnal, Haryana on February 7-8, 2019.pp114.
7. **S. C. Mehta**, S. S. Dahiya, M. S. Tantia and Arjava Sharma. (2018). Hair fibre quality and quantity in Mewari and Jalori camel. In : National Symposium on Sustainable Management of Livestock and Poultry Diversity for enhancing the Farmers' Income. Organised by the College of Veterinary and Animal Sciences, RAJUVAS, Bikaner and Society for Conservation of Domestic Animal Biodiversity, Karnal at Bikaner, Rajasthan. February 8-10, 2018.
8. **S. C. Mehta**, S. S. Dahiya, M. S. Tantia and Arjava Sharma. (2018). Mewari camel: milk production and quality. In : National Symposium on Sustainable Management of Livestock and Poultry Diversity for enhancing the Farmers' Income. Organised by the College of Veterinary and Animal Sciences, RAJUVAS, Bikaner and Society for Conservation of Domestic Animal Biodiversity, Karnal at Bikaner, Rajasthan. February 8-10, 2018.
9. **S. C. Mehta**, S. S. Dahiya, M. S. Tantia and Arjava Sharma. (2018). Mewari camel: milk production and quality. In : National Symposium on Sustainable Management of Livestock and Poultry Diversity for enhancing the Farmers' Income. Organised by the College of Veterinary and Animal Sciences, RAJUVAS, Bikaner and Society for Conservation of Domestic Animal Biodiversity, Karnal at Bikaner, Rajasthan. February 8-10, 2018.
10. S. A. Jadhav, **S. C. Mehta**, U.D. Umrikar, R. S. Deshmukh and M. P. Sawane. (2018). Detection of point mutation in κ -casein gene in Indian camel (*Camelus dromedarius*) breeds. In : National Symposium on Sustainable Management of Livestock and Poultry

- Diversity for enhancing the Farmers' Income. Organised by the College of Veterinary and Animal Sciences, RAJUVAS, Bikaner and Society for Conservation of Domestic Animal Biodiversity, Karnal at Bikaner, Rajasthan. February 8-10, 2018.
11. Ved Prakash, **S C Mehta**, U K Bissa, Rakesh Ranjan, Sumant Vyas, B L Chirania and N V Patil (2018). Analysis of body weight, average daily gain, Kleiber ratio and disposal pattern in Bikaneri camel. In : National Symposium on Sustainable Management of Livestock and Poultry Diversity for enhancing the Farmers' Income. Organised by the College of Veterinary and Animal Sciences, RAJUVAS, Bikaner and Society for Conservation of Domestic Animal Biodiversity, Karnal at Bikaner, Rajasthan. February 8-10, 2018.
 12. R K Dedar, P A Bala, **S C Mehta** and B N Tripathi. (2018). An epidemiological study of risk factors of equine colic. In : 36th Annual Convention of Indian Society for Veterinary Medicine and National Symposium on Animal Health Service Delivery – The Priorities of the Professionals for Enhancing farmers' Income. Organised by College of Veterinary Science and Animal Husbandry, Odisha University of Agriculture and Technology, Bhubaneswar. February 1-3, 2018.
 13. T R Talluri, S K Ravi, C Singh, R A Legha, **S C Mehta** and B N Tripathi. Cryo-protective effect of two different cryo-protectants on exotic stallion and donkey semen. In: XXXIII Annual Convention and National Symposium of ISSAR on "Use of reproductive technologies and production improvement in livestock species aiming to socio-economic development of rural mass" during February 9-19, 2018 at West Bengal University of Animal & Fishery Sciences, Kolkata, pp 135.
 14. S S Dahiya, **S C Mehta**, Kashi Nath, R Singh, S D Narnaware and F C Tuteja (2017). Molecular characterization of Contagious Ecthyma virus isolates of Indian dromedarian camels. In : XXIII Annual convention of Indian Society for Veterinary Immunology and Biotechnology & National Conference on Challenges in Livestock and Poultry Production-Solutions with Biotechnology. Organised by Krantisingh Nana Patil College of Veterinary Science, Shirwal, MAFSU, Nagpur during April 17-19, 2017.
 15. Jadhav S A, Mehta S C, Umrikar U D, Deshmukh R S and Sawane M P. (2017). Detection of genetic polymorphism in promoter region of β -casein in Indian camel (*Camelus dromedarius*) breeds. In : National Symposium on Biodynamic Animal Farming for the Management of Livestock Diversity under Changing Global Scenario. Organised by SOCDAB and College of Veterinary and Animal Science, Mannuthy, Kerala, India; February 8-10, 2017.
 16. Jadhav S A, Mehta S C, Umrikar U D, Deshmukh R S and Sawane M P. (2017). Detection of genetic polymorphism in exon 5 of α_{s1} casein in Indian camel (*Camelus dromedarius*) breeds. In : National Symposium on Biodynamic Animal Farming for the Management of Livestock Diversity under Changing Global Scenario. Organised by SOCDAB and College of Veterinary and Animal Science, Mannuthy, Kerala, India; February 8-10, 2017.
 17. Sharma R, Sharma H, Ahlawat S, Mehta S C and Tantia M S. (2017). Evaluation of the genetic diversity of two camel populations. In : National Symposium on Biodynamic Animal Farming for the Management of Livestock Diversity under Changing Global Scenario. Organised by SOCDAB and College of Veterinary and Animal Science, Mannuthy, Kerala, India; February 8-10, 2017.
 18. S. C. Mehta and S. S. Dahiya (2015). Transcriptional analysis of 5' flanking region of lactoperoxidase and Casein genes in Indian dromedary in "National seminar on Translational Research in Biotechnology for Improving Animal Health and Production" & 3rd Annual Meeting of Society for Veterinary science & Biotechnology at Department of

- Veterinary Microbiology & Biotechnology, CVAS, Rajasthan University of Veterinary & Animal sciences, Bikaner, Rajasthan from October, 7-8, 2015.
19. G.Nagarajan, S.K.Swami, S.S.Dahiya, S.C.Mehta, S.D.Narnaware, R.Singh, and N.V.Patil. Analysis of leukocyte transcriptomes of the dromedary camel (*Camelus dromedarius*). Symposium presentation by co-author. In: International symposium on livestock disease affecting livelihood options and global trade –strategies and solutions. Organised by Madras Veterinary College, TANUVAS, Chennai, July 17-19, 2014.
 20. Nagpal, A.K. and Mehta, S.C. (2014). Isolation, Morphological, Biochemical and Molecular Characterization of Fibrolytic Anaerobic Bacteria from Rumen of Dromedary Camel. Accepted for presentation in Global Animal Nutrition Conference-2014 to be organised by National Institute of Animal Nutrition and Physiology, Bengaluru during April 20-22, 2014.
 21. Nagpal, A.K. and Mehta, S.C. (2014). Isolation, Morphological, Biochemical and Molecular Characterization of Fibrolytic Anaerobic Bacteria From Faecal Samples of Bacterian (*Camelus bactrianus*) Camel. Accepted for presentation in Global Animal Nutrition Conference-2014 to be organised by National Institute of Animal Nutrition and Physiology, Bengaluru during April 20-22, 2014.
 22. Mehta, S.C., Bissa, U.K., Chirania, B.L. and Patil, N.V. (2013). Differential Breed, Sex and Age-group Mortality in *Camelus dromedaries*. Presented in the International Symposium on “Latest trends in Immunodiagnosis, Immunopathology and Immunomodulation” & VI Annual convention of Society for Immunology and Immunopathology. Organised by RAJUVAS, Bikaner, December 22-24, 2013.
 23. Mehta, S.C., Bissa, U.K., Singh Sajjan and Patil, N.V. (2013). Evolution, Status and Conservation of Camelids. Accepted for presentation in National Conference on “Agro-biodiversity management for sustainable rural development” organised by National Academy of Agricultural Research Management, Hyderabad, October 14-15, 2013.
 24. Mehta, S.C. (2013). Indian hill camel and sustainable camel dairying. Accepted for presentation in National Conference on “Agro-biodiversity management for sustainable rural development” organised by National Academy of Agricultural Research Management, Hyderabad, October 14-15, 2013.
 25. S C Mehta, U K Bissa , A K Sharma, and Sajjan Singh (2013). Persistency, yield and phases of lactation in Indian dromedary breeds. Presented in the X National Symposium on “Integrated development of vast biodiversity of indigenous livestock for long term rural livelihood security. Organised by G.B.Pant University of Agriculture and Technology, Pantnagar, Uttarakhand and Society for conservation of domestic animal biodiversity, Karnal at Pant nagar on February 7-8, 2013.
 26. H Dan, C K Murdia, S C Mehta and S B S Yadav. (2013). Genomic organisation of promoter regions of alpha-lactalbumin in camel. Presentation in the X National Symposium on “Integrated development of vast biodiversity of indigenous livestock for long term rural livelihood security Organised by G.B.Pant University of Agriculture and Technology, Pantnagar, Uttarakhand and Society for conservation of domestic animal biodiversity, Karnal at Pant nagar on February 7-8, 2013.
 27. H Dan, C K Murdia, S C Mehta, S B S Yadav, H.Singh and Vivekanand. (2013). Genomic organisation of promoter regions of beta-casein gene in camel. Presentation in the X National Symposium on “Integrated development of vast biodiversity of indigenous livestock for long term rural livelihood security Organised by G.B.Pant University of Agriculture and Technology, Pantnagar, Uttarakhand and Society for conservation of domestic animal biodiversity, Karnal at Pant nagar on February 7-8, 2013.

28. Bishnu P. Mishra, Madhu S. Tantia, Sharat C. Mehta, J.R. Tait, James E. Koltes, and James M. Reecy (2010) *Single nucleotide polymorphism(SNP) in MAF1 and GPAA1 genes and association analysis with carcass and meat quality traits in Angus cattle*. In the proceeding of 32nd Conference for the International Society for Animal Genetics from 26th – 30th July 2010, Edinburgh, U.K. p-116.
29. S.C.Mehta, B.Bhardwaj, S.Arora, C.S.Bhatnagar and K.M.L.Pathak. (2007). Camel milk: A source of livelihood and sustenance of camel. In: International camel conference. Organised by College of Veterinary and Animal Science, Rajasthan Agricultural University, Bikaner, Rajasthan from February 16th to 17th, 2007. pp 99.
30. S.B.S.Yadav, U.K.Bissa, S.C.Mehta, U.Pannu, C.K.Murdia, G.C.Gahlot, R.Joshi and P.D.Swami. (2007). Status and prospectus of research on genetics and breeding aspects of Indian camels in Rajasthan. In: International camel conference. Organised by College of Veterinary and Animal Science, Rajasthan Agricultural University, Bikaner from February 16th to 17th, 2007. pp 25.
31. R.C.Sharma, S.C.Mehta, R.S.Bansal and S.K.Dwivedi (2006). RFLP profile of MHC-DRB3 genes in Marwari horses of Rajasthan. In: Proceedings of National Symposium on technological intervention for livestock improvement and production. Thrust area: disaster management at NAAS New Delhi from 17-19th Feb, 2006. pp 120-121.
32. Mehta, S.C., Sharma, N. and Sahani, M.S. Health Challenges of Jaisalmeri Camel. In: International Scientific Conference on Camels organized by Gassim University, Buraidah, Gassim, Saudi Arabia from 9th to 11th May, 2006.
33. Mehta, S.C. and Sahani, M.S. Characterisation and Disqualification Criteria of Jaisalmeri Camel in India (General Overview). In: International Scientific Conference on Camels organized by Gassim University, Buraidah, Gassim, Saudi Arabia from 9th to 11th May, 2006
34. Sahani, M.S. and Mehta, S.C. Characterisation and Population Estimates of Bikaneri Camel Breed Raised in India (General Overview). In: International Scientific Conference on Camels organized by Gassim University, Buraidah, Gassim, Saudi Arabia from 9th to 11th May, 2006.
35. Sahani, M.S., Agrawal¹, R.P., Tuteja, F.C., Ghorui, S.K., Singh, R. and Mehta, S.C. Antidiabetic Activity of Camel Milk. In: International Scientific Conference on Camels organized by Gassim University, Buraidah, Gassim, Saudi Arabia from 9th to 11th May, 2006.
36. Mehta, S.C. and Sahani, M.S. (2005). Status of Jaisalmeri Camel in the Breeding Tract. Presented in the National Symposium on Domestic Animal Diversity: Status, Opportunities and Challenges. Organised by Society for Conservation of Domestic Animal Biodiversity and National Bureau of Animal Genetic Resources, Karnal-132001, Haryana. pp105.
37. Mehta, S.C., Bhure, S, Gautam, K., Beniwal, B.K. and Sahani, M.S. (2005). Microsatellite Based Characterisation of Bikaneri Camel. Accepted for oral presentation in National Symposium on “Newer Concepts and Challenges in Veterinary Science and Animal Husbandry” and XII Annual conference of IAAVR-2005. Organised by Indian Association for Advancement of Veterinary Research and College of Veterinary and Animal Science, Bikaner from December 31st, 2004 to January 1st, 2005.
38. Mehta, S.C. and Sahani, M.S. (2005). Microsatellite Markers for Genetic Characterisation of Indian Camel Breeds. Accepted for presentation in the International Scientific Conference on Camels, to be organised by the College of Agriculture and Veterinary Medicine, Gassim University, Saudi Arabia during November 22nd to 24th, 2005.

39. Sahani, M.S. and Mehta, S.C. (2005). Characterisation of Bikaneri Breed of Camel. Accepted for presentation in the International Scientific Conference on Camels, to be organised by the College of Agriculture and Veterinary Medicine, Gassim University, Saudi Arabia during November 22nd to 24th, 2005.
40. Mehta, S.C. and Sahani, M.S. (2005). Status of Mewari Camel in the Habitat. Accepted for presentation in the International Scientific Conference on Camels, to be organised by the College of Agriculture and Veterinary Medicine, Gassim University, Saudi Arabia during November 22nd to 24th, 2005.
41. Mehta ,S.C., Gautam,L. and Sahani,M.S. Molecular Characterisation of Jaisalmeri camel. National Symposium on Livestock Biodiversity vis-à-vis Resource Exploitation : An Introspection Organised by Society for Conservation of Domestic Animal Biodiversity and National Bureau of Animal Genetic Resources, Karnal at Karnal from 11th to 12th Feb,2004.
42. Mehta,S.C., Potdar, V. and Sahani, M.S. (2003). RFLP of k-casein fragment in buffalo, cattle and sheep. 4th Asian Buffalo Congress. Organised by the Indian Society for Buffalo Development and Asian Buffalo Association at New Delhi from 25th to 28th Feb.,2003.
43. Mehta,S.C., Potdar, V. and Sahani, M.S. (2002). PCR-RFLP of MHC-DRB3 fragment in sheep and livestock species. 5th National Seminar on "Strength Challenges and Opportunities in Small Ruminant Diseases in New Millenium". Organised by ISSGPU and CSWRI, Avikanagar at Jaipur from 30th to 31st Dec.,2002.
44. Mehta,S.C. and Singh,V.K. (2001). Breeding and selection for disease resistance in farm animals with reference to the *Thar* desert. *Symposium on impact of human activities on Thar desert*. To be organised by CAZRI, Jodhpur at Jodhpur from 15th to 17th Feb.,2001.
45. Mehta, S.C., Mishra, B.P. and Sahani, M.S. (2001). *Nature and organization of Repetitive DNA in Indian dromedary & comparison with other animal species*. Accepted for oral presentation in the International twin conference on reproduction / production in camelids. To be organised by Reproductive Health Centre, South Carolina, USA from October 13-14, 2001.
46. Mehta, S.C., Mishra, B.P. and Sahani, M.S. (2001). *Genetic differentiation of Indian dromedary breeds using random oligonucleotide primers*. Accepted for oral presentation in the International twin conference on reproduction / production in camelids. To be organised by Faculty of Agricultural Sciences. UAE University, United Arab Emirates from November, 11-13, 2001.
47. Mehta, S.C., Mishra, B.P. and Sahani, M.S. (2001). *Conservation of sequences spanning Neural Cell Adhesion Molecule gene in camel & other livestock species*. Accepted for oral presentation in the International twin conference on reproduction / production in camelids. To be organised by Faculty of Agricultural Sciences. UAE University, United Arab Emirates from November, 11-13, 2001.
48. Mehta, S.C., Yadav, B. and Sahani, M.S. (2001). *Reproductive performance of Indian camel breeds*. November, 11-13, 2001. Accepted for oral presentation in the International twin conference on reproduction / production in camelids. To be organised by Reproductive Health Centre, South Carolina, USA from October 13-14, 2001.
49. Purohit, R., Kiradoo,B.D., Mal, G. , Saini,N., Mehta,S.C. and Sahani,M.S. (2001). Effect of supplementation of green grass (*Panicum antidotale*) on milk production of Bikaneri camel. Xth Animal Nutrition Conference on Emerging nutritional technologies for sustainable animal production and environmental protection. Organised by Animal Nutrition Society of India and National Dairy Research Institute, Karnal, Haryana from 9th to 11th November, 2001.

50. Mehta, S.C. (2000). Sheep production, research and conservation strategies for India. *International conference on "Small Holder Livestock Production Systems in Developing Countries"*. Organised by KAU / society for sustainable agriculture and research management at Thrissur, Kerla from 24-27 Nov.,2000.
51. Mehta, S.C., Singh, V.K and Dass,G. (2000). Magra: a breed of choice for sheep improvement in farmers' flock. *International conference on "Small Holder Livestock Production Systems in Developing Countries"*. Organised by KAU / society for sustainable agriculture and research management at Thrissur, Kerla from 24-27 Nov.,2000.
52. Singh, V.K, Dass,G. and Mehta, S.C., (2000). Status of sheep and it's improvement strategies in hot arid region. *International conference on "Small Holder Livestock Production Systems in Developing Countries"*. Organised by KAU / society for sustainable agriculture and research management at Thrissur, Kerla from 24-27 Nov.,2000.
53. Mehta,S.C., Joshi,R.K. and Pani, P.K. (1999). Lymphoid leukosis : Target organs of cellular transformation. *XIX National Poultry Science Conference and Symposium*. Organised by Rajasthan Agricultural University and Indian Poultry Science Association at Bikaner on 12th & 13th April.,1999.
54. Mehta,S.C., and Gahlot,R.S.(1999). Impact of crossbreeding on carpet. *National Seminar on Carpet Wool Production and Marketing: Present Status and Future Perspectives*. Organised by Central Wool Development Board, Jodhpur and College of Veterinary and Animal Science, Bikaner at Bikaner on 19th March,1999.
55. Singh,V.K., Mehta,S.C.and Singh, R.N. (1999). Application of biotechnology in sheep improvement. *Group Meet on Conservation of Tharparkar and Rathi Cattle Germplasm and Animal Biotechnology*. Organised by Directorate of Research (Veterinary and Animal Science). Rajasthan Agricultural University, Bikaner at Bikaner on 8th & 9th March,1999.
56. Singh, V.K. and Mehta,S.C. (1999). Production and marketing of raw wool. *National Workshop on New Thresholds for Woollen Khadi*. Organised by Khadi and Village Industries Commission. At Bikaner on 11th & 12th Dec. 1999.
57. Singh, V.K. and Mehta, S.C. (1999). Magra: an improver breed for Gujarat. *Seminar on crossbreeding of Magra sheep in Gujarat state and marketing of wool and woollens*. Gujarat Sheep and Wool Development Corporation Ltd. (communicated).
58. Dass G., Singh,V.K., Mehta,S.C. and Sharma, P.R. Performance of Marwari lambs in hot arid Rajasthan. *Golden Jubilee Seminar on sheep, goat & rabbit production & utilization*. 24-26th April,1998 at Jaipur.
59. Dass G., Singh,V.K., Mehta,S.C. and Sharma,P.R. Gain & efficiency of Marwari lambs in hot arid Rajasthan. *Golden Jubilee Seminar on sheep, goat & rabbit production & utilization*. 24-26th April,1998 at Jaipur.
60. Dass G.,Singh,V.K., Mehta,S.C. and Sharma,P.R. Production & quality of Marwari lambs in hot arid Rajasthan. *Golden Jubilee Seminar on sheep, goat & rabbit production & utilization*. 24-26th April,1998 at Jaipur.
61. Dass G.,Singh,V.K., Mehta,S.C. and Sharma,P.R. Effect of selection on some production traits in Marwari sheep. *Golden Jubilee Seminar on sheep, goat & rabbit production & utilization*. 24-26th April,1998 at Jaipur.
62. Dass G., Singh,V.K., Mehta,S.C. and Sharma,P.R. Fitness traits of Marwari sheep in hot arid Rajasthan. *Golden Jubilee Seminar on sheep, goat & rabbit production & utilization*. 24-26th April,1998 at Jaipur.

63. Mehta,S.C., Parthasarthy, S., Malhotra, V. Dass G. and Singh,V.K. Performance of Magra male lambs Growth, wool yield & quality. *Golden Jubilee Seminar on sheep, goat & rabbit production & utilization*. 24-26th April,1998 at Jaipur.
64. Mehta,S.C. (1998). Lack of professionalism is a worrying factor. 27th *All India Veterinary Conference*. Organised by Veterinary Association of India from 11-13th Sept.,1998 at Chennai.
65. Mehta,S.C. and Pani,P.K. (1998). Relative sensitivity of White Leghorn, Australorp and Rhode Island red breeds of fowl to Lymphoid leukosis virus infection. *All India Symposium on Poultry - nutrition and health* to be held at Hyderabad,.
66. Mehta,S.C. (1998). Sustained efforts can help conserving Sonadi and Malpura breeds of sheep. *National Seminar on Management of Natural Resources in Rajasthan*. Organised by College of Agriculture, Rajasthan Agricultural University, Bikaner from 5-7th Oct.,1998.
67. Mehta, S.C.; Naithani, S. and Pani, P.K. (1995). Expression of genes controlling microtumours (pocks) in chorioallantoic membrane of fowl. *National Symposium on Advancements in Immunodiagnosis & Control of Livestock , Poultry and Fish*. 16th - 18th November, 1996 at Vety. College, Bhubaneswar.
68. Kaur Harjeet: Gupta, N.; Gupta, S.C.; Mehta,S.C. and Nivsarkar,A.E. Plasma trace minerals in Malpura and Sonadi sheep from farmer's flock. *III National Seminar on Sheep & Goat Production and Utilisation*, 8-10th April,1995 at Avikanagar -304501, India.
69. Neelam Kewalramani; Gupta, N.; Kumar,P.; Mehta,S.C. and Nivsarkar,A.E. Evaluation of grazing resources of Malpura and Sonadi sheep in Chittorgarh district of Rajasthan. *III National Seminar on Sheep & Goat Production and Utilisation*, 8-10th April,1995 at Avikanagar -304501, India.
70. Gupta, N.; Gupta, S.C.; Kumar,P.; Vij, P.K.; Mehta,S.C.; Joshi, B.K. and Nivsarkar,A.E. Blood profiles of Malpura and Sonadi sheep from farmer's flock. *III National Seminar on Sheep & Goat Production and Utilisation*, 8-10th April,1995 at Avikanagar -304501, India.

LECTURES

1. **S.C.Mehta**. (2018). Present Status of Equine Genetic Resources in India. Lecture delivered on May 16, 2018. In: Summer School on Conservation of Indigenous Livestock Germplasm: An AVANT-GARDE approach to success. Organised by the Department of Animal Genetics & Breeding, Madras Veterinary College, Chennai during May 2-22, 2018.
2. **S.C.Mehta**. (2018). Present Status of Camel Genetic Resources in India. Lecture delivered on May 16, 2018. In: Summer School on Conservation of Indigenous Livestock Germplasm: An AVANT-GARDE approach to success. Organised by the Department of Animal Genetics & Breeding, Madras Veterinary College, Chennai during May 2-22, 2018.
3. **S.C.Mehta** (2018). Fodder Management for Equines. In winter school on “Fodder Management Strategy for Sustainable Livestock Production under Climate Change Scenario”. Organised by Institute of Agri-business Management, Swami Keshwanand Rajasthan Agriculture University, Bikaner on September 11, 2018.
4. Delivered a lecture: IABM, SKRAU, Bikaner, Lecture on Present Status of Equine genetic Resources of India on 25.08.2018.
5. Mehta, S C. delivered expert lecture on “Current status, emerging issue and future scenario regarding conservation of equines” in ICAR sponsored winter school on “Current status, emerging issue and future scenario regarding conservation of Indigenous breeds of

- livestock” on November 14, 2019. Organised by CVAS, RAJUVAS, Bikaner, November 5-25, 2019.
6. Mehta, S C. delivered expert lecture on “Prospectus of equine farming and research”. In : Orientation programme-I on teaching methodology. Organised by Director of Extension, Rajasthan University of Veterinary and Animal Sciences, Bikaner March 28-April 17, 2019.
 7. Mehta, S C. delivered expert lecture on “Prospectus of equine farming and research”. In : Orientation programme-II on teaching methodology. Organised by Director of Extension, Rajasthan University of Veterinary and Animal Sciences, Bikaner May 10-30.
 8. Mehta, S C. delivered expert lecture on “Prospectus of equine farming and research”. In : Orientation programme-III on teaching methodology. Organised by Director of Extension, Rajasthan University of Veterinary and Animal Sciences, Bikaner. June 21-July 11, 2019. Page 173-183.
 9. Mehta S C (2018). Fodder Management for equines. In : Winter School on “Fodder management strategy for sustainable livestock production under climate change scenario” on 11.9.2018. Organised by Institute of Agri Business Management, Swami Keshwanand Rajasthan Agricultural University, Bikaner September 2-22, 2018.
 10. Mehta S C (2018). Present Status of Equine Genetic Resources of India. In : Summer Institute on “Conservation of indigenous livestock germplasm: an avant-grade approach to success” on 16.5.2018. Organised by Madras Veterinary College, Chennai during May 2-22, 2018.
 11. Mehta S C (2018). Present Status of Camel Genetic Resources of India. In : Summer Institute on “Conservation of indigenous livestock germplasm: an avant-grade approach to success” on 16.5.2018. Organised by Madras Veterinary College, Chennai during May 2-22, 2018.
 12. Mehta, S. C. (2017). Equine Breeds of India. In : One week Training programme on Artificial Insemination in Equines. Organised by ICAR-NRCE, EPC, Bikaner at Bikaner from 21 to 27 Aug 2017.
 13. Mehta, S. C. (2017). Equine Genetic Resources. Lecture in 21 days Winter School on “Conservation and promotion of Indigenous Breeds of Livestock” from October 30 to November 19, 2017, organised by RAJUVAS, Bikaner
 14. Mehta, S.C., Dahiya, S.S. and Nagarajan, G. (2015). Genome analysis for stress tolerance in plants and animals. In : Winter School on "Management of Biotic and abiotic Stresses in Agriculture". Organised by Directorate of Human Resource Development (DHRD), SK Rajasthan Agricultural University, Bikaner from December 01-21, 2015.
 15. Delivered lecture in the training programme on Biodiversity entitled “ Conservation of Animal Biodiversity and Importance of Animal Biodiversity in Current Scenario” organized by RAJUVAS, Bikaner on December 23, 2014.
 16. Delivered lecture in training under ATMA project held at National Research Centre on Camel, Bikaner during January 2014.
 17. Mehta S C (2011). Camel Genetic Resources of India Characterisation and Conservation. Model Training Course. Organised by NBAGR, Karnal, November 21, 2011.
 18. Mehta S C (2012). Camel genetic resources of India: status, direction and planning. Scientist-stakeholders’ interface meet. Organised by National Research Centre on Camel, Bikaner at Bikaner, January 28-31, 2012.
 19. Mehta S C. (2011). Molecular Genetic and Breeding Tools for the Improvement of Indian Dromedary Breeds. In compendium of Short Course on “Camel Health and

- Management". Organised by the National Research Centre on Camel, Bikaner. April 19-28, 2010. pp- 52-56.
20. Application of computers in molecular biology –Gene Tool. Lecture delivered in the Winter School (ICAR) on "Application of computers and computational skills in veterinary and animal sciences". Organised at the College of Veterinary and Animal Sciences, Bikaner from 17th December, 2007 to 6th January, 2008.
 21. Application of computers in molecular biology –Phylip. Lecture delivered in the Winter School (ICAR) on "Application of computers and computational skills in veterinary and animal sciences". Organised at the College of Veterinary and Animal Sciences, Bikaner from 17th December, 2007 to 6th January, 2008.
 22. Bhed Prajnan Ke Anuvanshik Siddhant. Lecture delivered in the Progressive Farmer's Training Programme entitled "Maru Khetra Men Bhed Palan Ki Samasyan Avam Unka Samadhan" organized by Central Sheep and Wool Research Institute, ARC, Bikaner from 17th to 23rd November, 2007.
 23. Camel Research and Development at National Research Centre on Camel, Bikaner. Lecture in 15 days training programme on Animal Management and Health. Organised by CSWRI, ARC, Bikaner. June 3rd, 2006.
 24. A lecture on "Advances in camel research with special reference to the developments in Molecular Genetics". In: Veterinary officer's training programme on "A.I. Refresher Training Programme under RLDB", Organised by URMUL Dairy, Bikaner
 25. Mehta, S.C. (2004). Molecular Markers for Veterinary Forensic Medicine. Lecture delivered in ICAR Winter School on "Practical Aspects of Veterinary Forensic Medicine Including Report Writing, Sample Collection and Dispatch of Material" from September 29th to October 19th, 2004. Organised by College of Veterinary and Animal science, Bikaner-334001.
 26. Sahani, M.S. and Mehta, S.C. (2004). Camel genetic diversity and its significance in Indian economy. Lecture delivered in Training programme for Veterinary Officers of State Animal Husbandry Department on "Characterisation and Conservation of Animal Genetic Resources". Organised by National Bureau of Animal Genetic Resources, Karnal -132001
 27. Molecular techniques for disease diagnosis in animals. Short course on "Advances in diagnosis, treatment and control of camel diseases. Organised by NRC on Camel, Bikaner from 16th to 25th Sept. 2002.
 28. Recent Techniques in Molecular Genetics. Guest lecture on the request of Associate Dean, CVAS, Parbhani (Maharashtra) on 10th June 2002.
 29. Introduction to statistical package for social sciences. Training programme on "Advances in Information Technology and Database Management" from Feb,6th to March 5th, 2002.
 30. Database management system. Training programme on "Advances in Information Technology and Database Management" from Feb,6th to March 5th, 2002.
 31. Introduction to Indian language software: Ileaf. Training programme on "Advances in Information Technology and Database Management" from Feb,6th to March 5th, 2002.
 32. *Improvement of sheep in Bikaner district of Rajasthan*. Training programme on Watershed management organised by CAZRI, RRS, Bikaner from 3rd to 30th June,1997.
 33. *Breeding and management of livestock species*. Training programme organised by Department of Agriculture. Govt. of Rajasthan at Chhotisadi (Chittorgarh) during the year 1992-93.

34. *Genetic improvement of indigenous livestock species and important exotic breeds*. "Gopal yojana" training programme organised by Department of Animal Husbandry, Government of Rajasthan at Chittorgarh (Raj) on 29th June, 1992.
35. *Desired traits in indigenous milch animals and selected exotic breeds*. "Gopal yojana" training programme organised by Department of Animal Husbandry, Government of Rajasthan at Chittorgarh (Raj) on 30th June, 1992.
36. Lecture on the eve of "*Animal welfare week*" in Govt. Senior Sec. School, Chhotisadri, Dist. Chittorgarh (Raj)
37. Two lectures in "*National Service Scheme*" camp of Jain (PG) College, Bikaner in the year 1996 & 1998.

BOOKS / TECHNICAL BULLETINS

1. Dedar, R., Singh, J., Legha, R.A., Mehta, S. C. and Pal, Yash (2021). Genetic Improvement of Indigenous Horses. Training programme for Veterinary Officers on "Entrepreneurship Development in Equine Husbandry". Published by Director, ICAR-NRCE, Hisar, February 25-27, 2021. Pages 1-77.
2. Mehta, S. C., Talluri, T.R., Singh J. and Tripathi, B.N. (2019). Network approach for genetic improvement of indigenous horses. Training of veterinary officers on artificial insemination in equines. Published by Director, ICAR-NRCE, Hisar, July 18-20, 2019. Pages 1-120.
3. Mehta, S. C., Talluri, T.R., Singh J. and Tripathi, B.N. (2019). Network approach for genetic improvement of indigenous horses. Training of veterinary officers on artificial insemination in equines. Published by Director, ICAR-NRCE, Hisar, August 7-9, 2019. Pages 1-132.
4. **Mehta S C**, Dahiya S S, Patil N V, Tantia M S and Sharma A. (2018). Glimpses of Talks of Camel. Published by ICAR-National Research Centre on Camel, Bikaner, Rajasthan. ISBN 978-81927935-73. p 116.
5. **Mehta S C**, Dahiya S S , Sharma R, Tantia M S and Sharma A. (2017). Camel Genetic Resources of India- Mewari Camel. NRCC/Technical Bulletin/2017/2, published by ICAR-National Research Centre on Camel, Bikaner, Rajasthan. ISBN 9788192793559. p 52.
6. **Mehta S C**, Dahiya S S , Sharma R, Tantia M S and Sharma A. (2017). Camel Genetic Resources of India- Jalori Camel. NRCC/Technical Bulletin/2017/3, published by ICAR-National Research Centre on Camel, Bikaner, Rajasthan. ISBN 9788192793566. p 56.
7. S.C.Mehta (2014). Camel Development Strategy: Mewari Camel. Published by Director, National Research Centre on Camel, Bikaner, 2012.
8. S.C.Mehta and N.V.Patil (2014). Pride of Thar: Jaisalmeri Camel. Published by Director, National Research Centre on Camel, Bikaner, 2012.
9. Integrated Livestock Development in Tribal Area. (Eds. S.C.Mehta *et al.*). Published by Director, National Research Centre on Camel, Bikaner, 2012.
10. Characterisation and conservation of Jaisalmeri camel – by S.C.Mehta. Published by Director, NRCC, Bikaner, November, 2004
11. Bikaneri camel: A breed descriptor - by S.C.Mehta and M.S.Sahani. Published by Director, NRCC, Bikaner, June, 2004.

12. Camel Research Index (1880-2004), Eds. Raigar, R.D., Singh, H.P., Mehta, S.C. and Sahani, M.S. Published by Director, NRCC, Bikaner, April, 2005.
13. S.C.Mehta and K.M.L.Pathak. (2007). Production, improvement and status of Kachchhi breed of camel. Published by Director, National Research Centre on Camel, Bikaner, Rajasthan.
14. Compiled and edited a book entitled "Advances in Information Technology and Database Management". Published by the Director, National Research Centre on Camel, Bikaner, 2002.
15. Mewari camel in the breeding tract: a breed descriptor by S.C.Mehta. Published by Director, NRCC, Bikaner. 2004.

BOOK CHAPTERS

1. Mehta, S. C. (2021). Development of Indigenous Breeds of Equines. In: Training programme for Veterinary Officers on "Entrepreneurship Development in Equine Husbandry". Published by Director, ICAR-NRCE, Hisar, February 25-27, 2021. Pages 1-24.
2. TR Talluri, RA Legha, Yash Pal, SC Mehta, R.K.Dedar and J. Singh (2021). Collection and cryopreservation of stallion semen. In: Training programme for Veterinary Officers on "Entrepreneurship Development in Equine Husbandry". Published by Director, ICAR-NRCE, Hisar, February 25-27, 2021. Pages 53-59.
3. Mehta, S. C., Talluri, T.R., Singh J. and Tripathi, B.N. (2019). Network approach for genetic improvement of indigenous horses. In: Network approach for genetic improvement of indigenous horses, Training of veterinary officers on artificial insemination in equines. Published by Director, ICAR-NRCE, Hisar, July 18-20, 2019. Page 1-21.
4. Mehta, S. C., Talluri, T.R., Singh J. and Tripathi, B.N. (2019). Network approach for genetic improvement of indigenous horses. In: Network approach for genetic improvement of indigenous horses, Training of veterinary officers on artificial insemination in equines. Published by Director, ICAR-NRCE, Hisar, August 7-9, 2019. Page 1-22.
5. Talluri T R, Singh J, Legha R A, Yash Pal, Mehta S C and Tripathi B N. (2019). Estrus detection and artificial insemination in equines. Souvenir published by All India Marwari Horse Society. pp 61-71.
6. TR Talluri, RA Legha, Yash Pal, SC Mehta and BN Tripathi (2019). Collection and cryopreservation of stallion semen. In: Network approach for genetic improvement of indigenous horses, Training of veterinary officers on artificial insemination in equines. Published by Director, ICAR-NRCE, Hisar, August 7-9, 2019. Page 23-30.
7. TR Talluri, RA Legha, Yash Pal, SC Mehta and BN Tripathi (2019). Collection and cryopreservation of stallion semen. In: Network approach for genetic improvement of indigenous horses, Training of veterinary officers on artificial insemination in equines. Published by Director, ICAR-NRCE, Hisar, July 18-20, 2019. Page 22-28.
8. TR Talluri, J Singh, Yash Pal, RA Legha, SC Mehta, RK Dedar and BN Tripathi (2019). Pregnancy diagnosis in equines. In: Network approach for genetic improvement of indigenous horses, Training of veterinary officers on artificial insemination in equines. Published by Director, ICAR-NRCE, Hisar, August 7-9, 2019. Page 83-92.

9. TR Talluri, J Singh, Yash Pal, RA Legha, SC Mehta, RK Dedar and BN Tripathi (2019). Pregnancy diagnosis in equines. In: Network approach for genetic improvement of indigenous horses, Training of veterinary officers on artificial insemination in equines. Published by Director, ICAR-NRCE, Hisar, July 18-20, 2019. Page 75-84.
10. Mehta S C. (2019) Strategies for enhancing the farmers' income by utilising animal and poultry biodiversity. In: Management of Integrated Agricultural Practices in Arid Zone [Eds. Bagdi GL, Yadav ND, Nathawat NS, Sheetal KR and Shubulaxmi V]. Published by Head, CAZRI, RRS, Bikaner. pp 44-56.
11. Mehta S C (2018). Conservation of Camel in Challenging Situations. In: Glimpses of 'Talks of Camel'. Published by ICAR-National Research Centre on Camel, Bikaner, Rajasthan. ISBN 978-81927935-73. p 29-37.
12. Mehta S C (2018). Need of Synergic Efforts for Conservation of Camel. In: Glimpses of 'Talks of Camel'. Published by ICAR-National Research Centre on Camel, Bikaner, Rajasthan. ISBN 978-81927935-73. p 71-72.
13. Mehta S C (2018). Progressive Camel Breeding-Management and Milk Production. In: Glimpses of 'Talks of Camel'. Published by ICAR-National Research Centre on Camel, Bikaner, Rajasthan. ISBN 978-81927935-73. p 87-90.
14. Mehta S C (2018). Talks of Camel : A Mission for Conservation of Camel. In: Glimpses of 'Talks of Camel'. Published by ICAR-National Research Centre on Camel, Bikaner, Rajasthan. ISBN 978-81927935-73. p 106-111.
15. Mehta, S.C. (2014). Indian hill camel and sustainable camel dairying. In : Agro-biodiversity and sustainable rural development" published by NIPA publisher. Page 177-192.
16. Mehta, S.C., Bissa, U. K., Singh Sajjan and Patil, N.V. (2014). Evolution, Status and Conservation of Camelids. In : Agro-biodiversity and sustainable rural development" published by NIPA publisher. Page 193-204.
17. S.C.Mehta (2013). Practical camel breeding. In : ATMA project training on camel husbandry business. Published by Director, National Research Centre on Camel, Bikaner. Page 16-19.
18. U.K.Bissa and S.C.Mehta (2013). Management of camel breeding in rural area. In : ATMA project training on camel husbandry business. Published by Director, National Research Centre on Camel, Bikaner. Page 23-25.
19. S.C.Mehta (2012). Importance of animal genetic resources in tribal area. In : Integrated Livestock Development in Tribal Area (eds. S.C.Mehta *et al.*). Published by Director, National Research Centre on Camel, Bikaner, pp 13-20.
20. C.P.Swarnkar and S.C.Mehta (2012). Health management in sheep. In : Integrated Livestock Development in Tribal Area (eds. S.C.Mehta *et al.*). Published by Director, National Research Centre on Camel, Bikaner, pp 41-57.
21. U.K.Bissa, F.C.Tuteja and S.C.Mehta (2012). Camel husbandry and management in Rajasthan. In : Integrated Livestock Development in Tribal Area (eds. S.C.Mehta *et al.*). Published by Director, National Research Centre on Camel, Bikaner, pp 30-33.
22. S.C.Mehta and M.S.Sahani. (2006). Indian camel breeds. In: The Indian Camel : A Research Profile. Published by Director, National Research Centre on Camel, Bikaner, Rajasthan. pp 74-103.
23. C.Bhakat, M.S.Sahani and S.C.Mehta. (2006). Camel hair: production, quality and prospectus. In: The Indian Camel: A Research Profile. Published by Director, National Research Centre on Camel, Bikaner, Rajasthan. pp 104-111.

24. Mehta, S.C. and Singh, V.K. (2003). Breeding and selection for disease resistance in farm animals. In: Human impact on desert environment (Eds. Pratap Narain, S.Kathju, Amal Kar, M.P.Singh and Praveen-Kumar). Pub. Arid Zone Research Association of India and Scientific Publishers, Jodhpur, India. pp- 497-505.
25. S. C. Mehta (2002). Introduction to statistical package for social sciences. In : Advances in Information Technology and Database Management. Published by Director, National Research Centre on Camel, Bikaner. Page 147-151.
26. S. C. Mehta (2002). Database management system. In: Advances in information technology and database management. Published by Director, National Research Centre on Camel, Bikaner. Page 122-130.
27. S. C. Mehta (2002). Introduction to Indian language software ILeap. In: Advances in information technology and database management. Published by Director, National Research Centre on Camel, Bikaner. Page 59-60.

TEACHING AND GUIDING

1. **M.V.Sc.** (Master of Veterinary Science) – 10 (RAU, Bikaner; MAFSU, Nagpur)
2. **M.D.** (Doctor of Medicine) -1 (University of Rajasthan, Jaipur)
3. **M.Phil.** (Master of Philosophy) -2 (Alagappa University, Karaikudi)
4. **M.Sc.** (Biotechnology) – 26 Dissertations
5. **Ph.D.** (Veterinary Microbiology)- 1 (RAJUVAS, Bikaner)
6. **Ph.D.** (Biotechnology)- 2 (RAJUVAS, Bikaner)

SKILLS & TRAININGS

Microsatellite analysis, RFLP, RAPD, SSCP, mutation studies and general working of molecular genetics laboratory. Use of Gene Tool, Phylip, Microsat, Labworks, Grabit, Harvey, SPSS, FBase, Dbase, Systat and general laboratory software along with the following trainings:-

- Attended the Workshop on “Priority setting, monitoring and evaluation in NARS: Status, experience and way forward” on 27.5.2014 at NASC, New Delhi. Organised by IFPRI and NAIP.
- Successfully accomplished the Management Development Programme on Leadership Development (a pre-RMP programme) at NAARM, Hyderabad from July 15 to 26, 2014.
- MDP workshop on “Priority Setting, Monitoring and Evaluation of Agricultural Research Projects”. Organised by the National Academy of Agricultural Research Management (NAARM), Hyderabad from June 18-22, 2013.
- Project Development Workshop funded by National Fund for Basic, Strategic and Frontier Application Research in Agriculture. Organised by the National Academy of Agricultural Research Management (NAARM), Hyderabad, from March 20-22, 2014.
- Marker Assisted Selection. Iowa State University, Ames, Iowa, US, from June 11 to September 16, 2009.
- *Workshop on Real Time PCR and DNA Sequencing Technology.* Organized by Labindia Instruments Pvt. Ltd, Gurgaon-122016, from 19th to 20th July,2006.
- *Gene Characterisation and Biodiversity Analysis.* Organised by National Bureau of Animal Genetic Resources, Karnal – 132001, from 4th to 13th October,2004.

- *Recent Advances in Molecular and Cytogenetic Techniques and their Application in Animal Breeding Programme*. Summer school organized by the College of Veterinary Science and Animal Husbandry, Gujarat Agricultural University, Anand – 388001, from 12th June to 2nd July, 2001.
- Information Technology in Agriculture. Organised by NAARM, Hyderabad from 12th June to 2nd July 2002.
- Training on *SPSS (Statistical Package for Social Sciences)* at Indian Agricultural Statistics Research Institute, New Delhi –110012, from 30th April to 5th May, 2001.

ARTICLES IN HINDI

1. Mehta S C (2017). Camel genetic resources and their use. In: Animal Husbandry in Tribal Area. Published by the Director, National Research Centre on Camel, Bikaner. Page 1-5.
2. Dahiya S S, Mehta S C, Narnavare S and Singh R (2017). Means for exploring information about camel husbandry. Extension leaflet of National Research Centre on Camel, Bikaner. NRCC/2017-3.
3. Nagpal A K, Tuteja F C, Mehta S C and Kumar J (2016). Camel milk in 21st Century: Future filled with hopes. *Karabh 14*. Hindi Magazine published by the Director, National Research Centre on Camel, Bikaner. Page 11-15.
4. Mehta, S.C., Dahiya, S.S., Nagpal, A.K., Singh, S.S. and Tuteja, F.C. (2014). Livestock Policy: An Analysis. *Karabh*. Hindi Magazine published by the Director, National Research Centre on Camel, Bikaner
5. Mehta, S.C., Singh, S., Chirania, B.L. and Bissa, U.K. (2014): Camel production and breeding. Compendium published by the Director, National Research Centre on Camel, Bikaner. Page 7-10.
6. Bissa, U.K. and Mehta, S.C. (2014): Camel husbandry and breeding management. Compendium published by the Director, National Research Centre on Camel, Bikaner. Page 43-45.
7. Mehta, S.C. (2013). Camel milk production and conservation in the breeding tract. *Karabh*. Hindi Magazine published by the Director, National Research Centre on Camel, Bikaner.
8. Nagpal, A.K., Mehta, S.C., Ram Kumar, Raigar, R.D. (2013). Dynamics of population, livestock and agriculture development in Bikaner and Rajasthan during last one decade. *Karabh*. Hindi Magazine published by the Director, National Research Centre on Camel, Bikaner.
9. Mehta S C (2013). Practical camel breeding. Training on Camel Husbandry Profession under ATMA Project. Compendium published by the Director, National Research Centre on Camel, Bikaner. Page 16-19.
10. Bissa U K and Mehta S C (2013). Management of camel breeding in rural areas. Training on Camel Husbandry Profession under ATMA Project. Compendium published by the Director, National Research Centre on Camel, Bikaner. Page 23-25.
11. Sharma A K and Mehta S C (2013). Intellectual property right and the Indian Council of Agricultural Research. Training on Camel Husbandry Profession under ATMA Project. Compendium published by the Director, National Research Centre on Camel, Bikaner. Page 108-110.
12. Vyas R L, Bissa U K and Mehta S C. (2012). Database management. *Karabh 9*.
13. Mehta S C (2011). *Aadhar kaushika Taknik* (Stem Cell technique). *Karabh*. 8.
14. Mehta S C (2010). Janiye Genomics. *Karabh*. 7.
15. Mehta S C (2008). Molecular markers for veterinary forensic medicine.. 6: 18-21.

16. Mehta S C and Bhure S K. (2007). Milk protein genes and their expression. Karabh. 5: 22-24.
17. Mehta S C and Vyas R L. (2006). Camel development and conservation. Karabh. 4: 54-55.
18. Mehta S C, Bithu H K, Vyas R L and Sahani M S. (2005). Unt : Marusthal ki jeevan rekha. Karabh. 3: 54-55.
19. Bithu, H.K. and Mehta, S.C. (2003). South American Camelids : An Introduction. Karabh-2003.
20. Bithu, H.K. and Mehta, S.C. (2003). Words and phrases related to camel husbandry s. Karabh-2003.

SCIENTIFIC NEWS IN PRINT AND ELECTRONIC MEDIA

1. Mehta, S.C.. (2015). Talks of Camel (Untan Ri Bataan). **ICAR Reporter**. April-June 2015 : 17-18.
2. Mehta, S.C., Mishra, B.P. and Sahani, M.S. (2003). Genetic differentiation of Indian camel breeds using random oligonucleotide primers. **ICAR News**. 8 (4) : 15-16.
3. Mehta, S.C. (1993). The case of the cracked catheter. **Pashudhan**.8 (10) : 7.
4. Mehta, S.C. and Sahani, M.S. (2001). Six- Databases Developed. **ARIS News**.3 (4) : 3.
5. Brain Storming Meet (2007). **Rajasthan State Veterinary Council News Letter**. 2 (1).

PATENTS & TRADE MARKS DEVELOPED

- **Talks of Camel ऊंटों की बातों Logo** : Trade Mark for the Untan Ri Bataan/Talks of Camel programme was developed and popularized. The Trade Mark has been registered in the “**Trade Marks Registry**” as per Intellectual Property India rules under social and community awareness programme and granted the Trade Mark Certificate No. 1460454.

GENBANK SUBMISSIONS

- Fifty four sequences have been deposited accession numbers allotted by the NCBI GenBank.

TALKS OF CAMEL (*UNTAN RI BATAAN*)

A mission for creating awareness through social media for conservation of camel was conceptualised and successfully conducted. The components of the mission are:-

1. **Radio Programme-ऊंटों की बातों** (Talks of Camel) : 33 Episodes Broadcasted.
2. **Talks of Camel ऊंटों की बातों Logo** : Designed and published by the Trade Marks Journal No. 1761, 2016.
3. **WhatsApp Group**: “Talks of Camel” created for sharing information.
4. **Cell Phone**: Acted as 108 Service for the camel farmers.
5. **Facebook Page**-Talks of Camel ऊंटों की बातों : All Programme and Information. ~ 500 posts, 600 views per post.
6. **Sound Cloud**- All Programmes.
7. **You Tube** - Talks of Camel Channel: Video of important programmes.

8. **Google Drive-** All Programme and Information.
9. **Meeting with the Camel Farmers:** Organize 102 meetings in 90 villages spread across the state having sizable camel population.
10. **Treatment of Camel:** Around 2000 sick camels were treated in this Programme
11. **Group email :** All programmes to 55 stakeholders.
12. **Television Programme:** ETV Rajasthan, DD Kisan, A1TV channel.
13. **FM Radio:** Two Programmes on 92.7 Big FM.
14. **News Papers :** About 60 News Items in Leading News Papers.
15. **Calendar, Posters, Banners, Pictures & Leaflets:** To promoting camel husbandry.
16. **Documentary- ऊंटों की बातें** Talks of Camel: A Mission for Conservation of Camel.
17. **Exhibitions-** Exhibitions on Camel Husbandry at 4 places in Rajasthan
18. **Work Shop:** One day workshop with the Camel Milk Vendors.
19. **Camel Competitions:** In state level Chandrabhaga Fair 2015 and 40 Camel Owners.

RADIO TALKS

- Delivered Radio talk on the topic “Talks of Camel : A Mission for Conservation of Camel” under the programme Talks of Camel (Untan Ri Bataan) of Network Project on AnGR, NRCC, Bikaner Aakashwani Kendra. Broadcasted on September 16, 2016.
- Delivered Radio talk on the topic “Improved Camel-breeding Management and Milk Production” under the programme Talks of Camel (Untan Ri Bataan) of Network Project on AnGR, NRCC, Bikaner Aakashwani Kendra. Broadcasted on June 17, 2016.
- Delivered Radio talk on the topic “Need of Synergic Efforts for Conservation of Camel” under the programme Talks of Camel (Untan Ri Bataan) of Network Project on AnGR, NRCC, Bikaner Aakashwani Kendra. Broadcasted on March 18, 2016.
- Delivered Radio talk on the topic “Conservation of Camel in Challenging Situations” under the programme Talks of Camel (Untan Ri Bataan) of Network Project on AnGR, NRCC, Bikaner Aakashwani Kendra. Broadcasted on September 18, 2015.
- Delivered Radio talk on the topic “Role of Indian Council of Agricultural Research in Conservation Animal Biodiversity” under the programme Talks of Camel (Untan Ri Bataan) of Network Project on AnGR, NRCC, Bikaner Aakashwani Kendra. Broadcasted on April 17, 2015
- Delivered Radio talk on the topic “Breeding and improvement of Indian camel breeds” under the programme of RAJUVAS with Bikaner Aakashwani Kendra. Broadcasted in January 2014.
- Delivered Radio talk on the topic “Strategies for Camel Development utilizing Camel Milk” under the programme of RAJUVAS with Bikaner Aakashwani Kendra. Broadcasted in on September 4, 2014.
- Delivered Radio talk on the topic “Animal Breeding Strategies for Rajasthan” under the programme of RAJUVAS with Bikaner Aakashwani Kendra. Broadcasted in on on December 14/January 15.

TELEVISION PROGRAMMES IN HINDI

- **Door Darshan –Kisan Channel:** Three Programmes- Expert in **Hello Kisan** Programme, Telecasted live on August 4, 2016, February 16, 2017 and August 17, 2017.
- **A1TV:** Talks of Camel Programmes on September 6, 2016.
- **A1TV:** Programme on Camel Milk and Conservation of Camel, 2016.
- **Etv-Rajasthan**-Talks of Camel (Untan Ri Bataan) June 26, 2015.
- **Etv-Rajasthan** – Programmes in Hindi on various aspects of camel husbandry.
- **Etv-Rajasthan** telecasted on 8th December, 2005 – 6.30 to 7.00 AM : Fitness criteria for purchase of a camel (Tips for purchase of camels for different purposes).
- **Etv-Rajasthan** telecasted on 10th December, 2005 – 6.30 to 7.00 AM : Sardiyon me Unt ka Avas avam Aahar. (Feeding, nutrition and accommodation of camel during winter season).
- **Etv-Rajasthan** telecasted on 5th January, 2006 – 6.30 to 7.00 AM : Care of male and female camels during breeding season.
- Characteristics of indigenous camel breeds with special reference to Jaisalmeri breed and tips to the farmers for the purchase of male camels for different purposes. Telecasted by **Etv-Rajasthan** on 5th May 2002 in “Anndata” programme (6.30 to 6.40 AM).

TELEVISION NEWS

- **Samay (Sahara Samay) Channel :** Equine Ecotourism. Telecast October 29, 2017.
- **Door Darshan :** Equine Ecotourism : Telecast October 29 or 30, 2017.
- **ETV-Rajasthan :** Equine Ecotourism : Telecast October 27, 2017.
- **Samay (Sahara Samay) Channel :** Equine Ecotourism. Telecast November 1, 2018.

Publication of Newsletter

- Newsletter of the Campus for the year 2016 : As In-charge EPC and Member of the Publication Committee.
- Newsletter of the Campus for the year 2017 : As In-charge EPC and Member of the Publication Committee.

PLANNING AND BROADCASTING OF RADIO TALKS

All 33 episodes of Talks of Camel ऊंटों की बातें All India Radio programme were planned, subjects and experts decided, episodes recorded and edited before their broadcast :-

Episode No.	Date of Broadcast	Topic
1.	17.04.2015	Role of Indian Council of Agricultural Research, New Delhi in Conservation of Animal Genetic Resources
2.	15.05.2015	Major Diseases of Camel : Treatment and Precautions
3.	19.06.2015	Properties of Camel Milk, its Products and Therapeutic use.
4.	03.07.2015	Treatment of Reproductive Diseases in Camel and Ways to Improve Reproductive Potential
5.	17.07.2015	Infectious Diseases of Camel : Causes, Treatment and Precautions
6.	07.08.2015	Role of National Bureau of Animal Genetic Resources, Karnal in Conservation of Animal Genetic Resources
7.	21.08.2015	Efforts and Incentives for Camel Husbandry

8.	04.09.2015	Talks of Camel in Lakhoosar Village
9.	18.09.2015	Conservation of Camel in Challenging Situations
10.	02.10.2015	Conservation of Camel in Mewar Area : Challenges and Opportunities
11.	16.10.2015	Role of Animal Disease Diagnosis Laboratories in Conservation of Camel
12.	06.11.2015	Importance of Animal Nutrition in Camel Production and Reproduction
13.	20.11.2015	Importance of Surgery in Camel
14.	04.12.2015	Availability of Micro-Nutrients in Different Regions of Rajasthan and Management of Camel Production
15.	18.12.2015	Treatment and Management during Disease Outbreaks in Camel
16.	01.01.2016	Importance of Pasture Development and Fodder Production in Camel Production and Conservation
17.	15.01.2016	Use of Camel Milk in Treatment of Autism
18.	05.02.2016	Role of National Research Centre on Camel, Bikaner in Conservation of Camel
19.	19.02.2016	Journey of Camel from Golden History to the Present Time and Possibilities for Future
20.	04.03.2016	Camel Milk Products and their Commercialization
21.	18.03.2016	Need of Synergic Efforts for Conservation of Camel
22.	01.04.2016	Seasonal diseases of camel and their treatment
23.	15.04.2016	Physiological adaptation in camel and its conservation
24.	06.05.2016	Conservation of camel by using various extension activities
25.	20.05.2016	Care of Newly Born Calves and their Mothers in Camel
26.	03.06.2016	Zoonotic diseases transmitted from camels to humans and their prevention
27.	17.06.2016	Progressive Camel Breeding-Management and Milk Production
28.	01.07.2016	Metabolic disorders and deficiency diseases of camel
29.	15.07.2016	Innovative Methods for Management of Nutrition in Camel
30.	05.08.2016	Diseases of camel occurring during rainy season
31.	19.08.2016	Production of camel (organic) milk and its use in human health
32.	02.09.2016	Efforts of Rajasthan Government for conservation of Camel
33.	16.09.2016	Talks of Camel : A Mission for Conservation of Camel

FM RADIO

- Interview on “Talks of Camel : A Mission for Conservation of Camel” was broadcasted by 92.7 Big FM in September 2015 (19.9.2015 and repeat broadcast 3-4 times).
- Success Story “Social awareness campaign for conservation of camel” broadcasted 2-3 times by 92.7 Big FM in September 2015 (27.9.2016 and repeat broadcast 3-4 times).
- **FM Radio** : Expert (2017) : Glanders in Horses. 92.7 Big FM, Broadcast 7 AM to 8 AM, In Big-chai programme.

AFFILIATIONS

- Founder member, Executive Member, Joint Secretary: Society for Conservation of Domestic Animal Biodiversity
- Life member: Indian Society for Sheep and Goat Production and Utilization

- Former Director and Joint Secretary: Mahavir International, Bikaner, Rajasthan

DOCUMENTARIES

- Jaisalmeri camel
- National Research Centre on Camel, Bikaner
- Talks of Camel: A Mission for Conservation of Camel.

S. C. Mehta